THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS



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Drawn By: 04/06/18 Drawing Date:

Project Number:

Revisions:

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COVER SHEET

Sheet Number:

A0.1

PROJECT DATA **MATERIALS GENERAL NOTES** PROJECT DIRECTORY SHEET INDEX PROJECT DESCRIPTION: CONSTRUCTION OF NEW PEDESTRIAN BRIDGE & RAMP/STAIR **ARCHITECTURAL** PROJECT OWNER: **OWNER'S REPRESENTATIVE:** STRUCTURE TO REPLACE EXISTING BRIDGE. All work shall comply with the applicable sections of the 2013 edition of the California Building Code, **COVER SHEET COUNTY OF MONTEREY** DAVID W. PRATT, PROJECT MANAGER II Plumbing Code, Mechanical Code, Fire Code, Electrical Code & Energy Code and the requirements **CALGREEN - NON RESIDENTIAL CHECKLIST** PROJECT ADDRESS: 1021 MONTEREY / SALINAS HWY RESOURCE MANAGEMENT AGENCY DEPARTMENT OF PUBLIC WORKS of the County of Monterey. **CALGREEN - NON RESIDENTIAL CHECKLIST** SALINAS, CA 93908 Drawings and Specifications. Any part of the work not mentioned in the specifications but shown on 1441 SCHILLING PLACE 168 WEST ALISAL, SECOND FLOOR CONSTRUCTION WASTE MANAGEMENT the drawings or any part not shown on the drawings but described in the specifications shall be SOUTH SECOND FLOOR SALINAS, CALIFORNIA 93901 (E) PARTIAL SITE PLAN A.P.N. 173-011-023-000 SALINAS, CALIFORNIA 93901 done as if fully described in the specifications and shown on the drawings. Where work is not 831.796.6091 PHONE ENLARGED (E) SITE PLAN / DEMO PLAN 831.755.4958 FAX dimensioned, calculated dimensions shall govern. Scaled dimensions shall not be used. ENLARGED (N) SITE PLAN ZONING: PQP-D-S (PUBLIC/QUASI-PUBLIC, DESIGN CONTROL, CERAMIC TILE OR TILE PAVERS prattdw@co.monterey.ca.us Dimensions shall take precedence over scale at all times and large scale details shall take RAMP / STAIR PLAN SITE PLAN REVIEW precedence over smaller scale details. Dimensions are to face of framing which includes face of **BRIDGE PLAN** (SEE FINISH SCHEDULE) sheathing if it exists. The contractor shall verify all details and dimensions and shall be held RAMP / STAIR AT PADDOCK AREA LOT SIZE: 532.14 AC (23,180,188.1 SF) responsible for the correctness of same. The segregation of various items of work under specified **PROJECT ARCHITECT:** STRUCTURAL ENGINEER: NEW STARTER'S STAND headings in the specifications is only done for the convenience of bidders. The contractor assumes **EXTERIOR ELEVATIONS CONSTRUCTION TYPE:** TYPE II, B (NON-SPRINKLERED) all responsibility in connection with proper and completed bids whether any and all items of work are THE PAUL DAVIS PARTNERSHIP PACIFIC ENGINEERING GROUP, INC. **EXTERIOR ELEVATIONS** RAMP/STAIR: TYPE II, B (NON-SPRINKLERED) shown under the proper headings or not. 286 ELDORADO STREET 30 RYAN COURT, SUITE 200 **BRIDGE SECTION** MONTEREY, CA 93940 Errors and Omissions. The contractor shall not take advantage of any manifestly unintentional error MONTEREY, CA. 93940 **BRIDGE / RAMP SECTIONS EXISTING AREA:** BRIDGE: 1,817 SF or omission in the drawings and/or specifications. He will be expected to furnish all necessary items (831) 373-2784 PHONE. ext 207 (831) 333-0644 PHONE **ENLARGED STAIR PLAN & SECTION** PAVED WALK: 1,353 SF of materials, labor, etc. which sound construction demands and which are necessary to make a (831) 373-7459 FAX (831) 333-0645 **ENLARGED RAMP SECTION** 3,170 SF gk.peg93940@sbcglobal.net complete and perfect job to the true intended meaning of these specifications, shown on the paulw@pauldavispartnership.com BATT INSULATION IN SECTION DETAILS - STAIR / RAMP drawings or not. Should there be any discrepancies in the drawings or these specifications, the CONTACT: PAUL W. DAVIS, A.I.A. CONTACT: GARY KNOTT, S.E. **DETAILS - EXTERIOR** NEW AREA: (N) BRIDGE: 3,252 SF contractor shall call it to the attention of the Architect in writing and shall receive instructions before (N) PAVED WALK: 3,365 SF proceeding with that part of the work. 1,910 SF (N) PLATFORM/STAIR: Temporary Facilities - The general contractor shall provide all water, electricity, power and light CIVIL **CIVIL ENGINEER: ELECTRICAL DESIGN** (N) RAMP: 6,609 SF RIGID INSULATION IN SECTION necessary to carry out all work. Furnish and erect all necessary sheds for storage and for protection WHITSON ENGINEERS LIGHTWORKS, INC. (N) LOWER STAIR: 356 SF of materials from the elements. Each subcontractor shall be responsible for his shed requirements. CIVIL COVER SHEET 6 HARRIS COURT 25403 LUCIE LANE (N) LOWER RAMP: 3,905 SF The general contractor shall provide ample toilet facilities for all workers on the site and maintain C0.2 CIVIL SPECIFICATIONS MONTEREY, CA 93940 SALINAS, CA 93908 19,397 SI toilet facilities in a sanitary and healthful condition at all times. Remove at completion of building C0.3 CIVIL DETAILS (831) 649-5225 PHONE (831) 596-3667 PHONE construction. KEY MAP CIVIL SITE GRADING & DRAINAGE PLAN (831) 373-5065 FAX ltwks@aol.com All staging, scaffolding, shoring, etc. shall be designed, furnished, erected, maintained, and LANDSCAPING: EXISTING TO REMAIN, NO NEW LANDSCAPING C1.2 CIVIL SITE GRADING & DRAINAGE PLAN - WEST CONTACT: GARY PYBAS rweber@whitsonengineers.com dismantled in conformance with all applicable Code Requirements and regulations by the General CIVIL SITE GRADING & DRAINAGE PLAN - EAST CONTACT: RICH WEBER, PE Contractor. The Contractor shall be solely responsible for all bracing and shoring required during C1.4 CIVIL SECTIONS construction. The Contractor shall not store construction materials or operate equipment in a C1.5 CIVIL SECTIONS CONTINUOUS WOOD MEMBER IN manner such that the design live loads are exceeded. No construction equipment shall be stored on CIVIL SECTIONS C1.6 overhanging framing. C1.7 CIVIL SECTIONS **VICINITY MAP** The work includes all labor, tools, materials, and equipment required to construct the work and CIVIL SITE UTILITY PLAN related site work as shown. Contractor will also coordinate the sub-contractors and provide TEMPORARY WATER POLLUTION CONTROL PLAN (EROSION & complete and operable systems, etc SEDIMENT CONTROL PLAN) WOOD BLOCKING BETWEEN Contractor to provide all blocking or support framing required for mechanical, electrical equipment, C3.2 TEMPORARY WATER POLLUTION CONTROL NOTES & DETAILS FRAMING MEMBERS IN SECTION accessories trim, equipment, etc. At remodeled conditions, meet/match/patch/repair existing surfaces or new work at/or connecting to STRUCTURAL 0. At all exterior openings, provide a minimum 3 foot square concrete landing. Threshold height to be PLYWOOD IN SECTION 1/2" maximum from exterior surface to interior finish floor. Mazda Raceway STRUCTURAL NOTES & TYPICAL DETAILS 🖺 Laguna Seca Roof covering minimum Class B. S2.0 **FOUNDATION & FRAMING PLANS** S2.1 STRUCTURAL FRAMING ELEVATIONS Mazda Raceway Laguna Seca Ticket Office **DETAILS** S2.2 ACCESSIBLE SIGNAGE NOTES **DETAILS** S2.3 All signs shall comply with Title 24 & CBC. Section 11B - 703. STAIR FRAMING PLAN & SECTION Room identification signage to comply with the following: BRIDGE FRAMING PLANS, ELEVATIONS, SECTION & DETAILS Braille - Per CBC 11B-703.3 & Table 11B-703.3.1. **BRIDGE ELEVATIONS** Proportions - Letters and numbers shall comply with CBC11B-703.2 BRIDGE DETAILS ACCOUSTIC TILE CEILIN MATERIAL IN SECTION CHARACTER HEIGHT - CBC 11B-703.2.5. X ACCOUSTIC TILE CEILING WEST ABUTMENT ELEVATION & DETAILS Laguna Seca Shooting Sports Association CONTRAST - Characters and symbols shall contrast with their background CBC 11B-703.5.1. **EAST ABUTMENT ELEVATION & DETAILS** International symbol of accessibility to conform to CBC 11B-703.7.2.1 and Figure 11B-703.7.2.1. WEST CONCRETE PANEL ELEVATIONS & DETAILS EAST CONCRETE PANEL ELEVATIONS & DETAILS **CODE ANALYSIS** EAST APPROACH RAMP FOUNDATION PLAN & DETAILS WEST APPROACH RAMP FOUNDATION PLAN & DETAILS NEW STARTERS STAND PLANS, SECTION & DETAILS APPLICABLE CODES: **ELECTRICAL** 2016 Building Standards Administrative Code, Part 1, CBSC 2016 California Building Code (CBC) Part 2, CBSC (2006 IBC & California Amendments) NOTES, FIXTURE SCHED., SYMBOLS & DRAWING INDEX 2016 California Electrical Code (CEC) Part 3, CBSC (2005 NEC & California Amendments) SITE DEMO PLAN 2016 California Mechanical Code (CMC) Part 4, CBSC (2006 UMC & California Amendments) 2016 California Plumbing Code (CPC), Part 5 CBSC (2006 UPC & California Amendments) E1.2 SITE PLAN ROCKFILL BRIDGE LIGHTING PLAN E2.1 2016 California Energy Code, Part 6 CBSC RAMP & STAIRS LIGHTING PLAN E2.2 2016 California Fire Code, Part 9 CBSC (2006 IFC & California Amendments) DETAILS 2016 California Referenced Standards, Part 12, CBSC E4.2 TITLE 24 Title 19 C.C.R., Public Safety, SFM Regulations E4.3 TITLE 24 2016 ADA Standards for Accessible Design SEE FLOOR PLANS & SECTIONS FOR ADDITIONAL LEGENDS NFPA 13, Automatic Sprinkler System, 2013 edition NFPA 72, Nat'l Fire Alarm Code, (Ca Amended) 2013 Edition (See UL Standard 1971 for "Visual Devices) Monterey County Zoning Ordinance - Title 21 The SPCA for o Monterey County **SYMBOLS IMAGE RENDERING**

			ABI	3RE\	/IATIONS				
&	AND	CTR.	COUNTER	H.B.	HOSE BIB	0/	OVER	SHT.	SHEET
L	ANGLE	CTSK.	COUNTERSINK	HBD.	HARDBOARD	OBS.	OBSCURE	SHTG.	SHEATHING
@	AT	CY.	CUBIC YARD	H.C.	HOLLOW CORE	O.C.	ON CENTER	SIM.	SIMILAR
<u>¢</u>	CENTERLINE			HDR.	HEADER	O.D.	OUTSIDE DIAMETER	S.O.H.	SIMILAR OPPOSITE HAND
Þ,	PLATE	DBL.	DOUBLE	HDWD.	HARDWOOD	O.F.C.I.	OWNER FURNISH,	S.S.	STAINLESS STEEL
Φ	DIAMETER OR ROUND	DEPT.	DEPARTMENT	HDWR.	HARDWARE		CONTRACTOR INSTALL	S.M.	SHEET METAL
\perp	PERPENDICULAR	DET.	DETAIL	H.M.	HOLLOW METAL	OFF.	OFFICE	S.M.S.	SHEET METAL SCREW
11	PARALLEL	D.F.	DOUGLAS FIR	HORIZ.	HORIZONTAL	O.H.M.S.	OVALHEAD MACHINE SCREW	SPECS.	SPECIFICATIONS
#	POUND OR NUMBER	D.H.	DOUBLE HUNG	HGT.	HEIGHT	O.H.W.S.	OVALHEAD WOOD SCREW	SQ.	SQUARE
(E)	EXISTING	DIAG.	DIAGONAL	HTG.	HEATING	OPNG.	OPENING	STL.	STEEL
		DIA.	DIAMETER	H.W.	HOT WATER	OPP.	OPPOSITE	STD.	STANDARD
A.B.	ANCHOR BOLT	DIMEN.	DIMENSION	HVAC	HEATING, VENTILATING,	O.S.B.	ORIENTED STRAND BOARD	STAG.	STAGGERED
A.B.S.	ACRYLONITRILE BUTADIENE	DISP.	DISPENSER		AND AIR CONDITIONING			STOR.	STORAGE
	STYRENE	DN.	DOWN			P.A.F.	POWDER ACTUATED FASTENER	STRUCT.	STRUCTURAL
A.C.	ASPHALTIC CONCRETE	DRWG.	DRAWING	I.C.B.O.	INTERNATIONAL CONFERENCE	PART, BD	. PARTICLE BOARD	SUSP.	SUSPENDED
A.C.T.	ACOUSTICAL CEILING TILE	D.S.	DOWNSPOUT		OF BUILDING OFFICIALS	P.G.	PAINT GRADE	SYM.	SYMETRICAL
A/C	AIR CONDITIONING	DWR.	DRAWER	I.D.	INSIDE DIAMETER	PERF.	PERFORATED	SYS.	SYSTEM
ACOUS.	ACOUSTICAL	2	5.02	INCL.	INCLUDED. INCLUDING	P.L.F.	POUNDS PER LINEAL FOOT	T.	0.0. <u>2</u>
ADJ.	ADJUSTABLE, ADJACENT	E.	EAST	INSUL.	INSULATION	P.L.	PROPERTY LINE.	••	TREAD (S)
AGGR.	AGGREGATE	EA.	EACH	INT.	INTERIOR	PL. LAM.	PLASTIC LAMINATE	T.B.	TOWEL BAR
ALUM.	ALUMINUM	ELEV.	ELEVATION, ELEVATOR	INV.	INVERT	PLAS.	PLASTER	T.C.	TOP OF CURB
ANOD	ANODIZED	LLL V.	LLLVATION, LLLVATOR	IINV.	114 A F1 / 1	i LAG.	ILACILIN	1.0.	IOI OI OUND

NORTH

NEW

N.I.C. NOT IN CONTRACT

N.T.S. NOT TO SCALE

MTD. MOUNTED

MULL. MULLION

NAT. NATURAL

NOM. NOMINAL

MTL. METAL

ANOD. ANODIZED

APPROX. APPROXIMATE

BLDG. BUILDING

BLKG. BLOCKING

BTWN. BETWEEN

CAB. CABINET

CEM. CEMENT

CLKG. CAULKING

COL. COLUMN

COMP. COMPOSITION

CONN. CONNECT (ION) CONSTR CONSTRUCT (ION)

CONT. CONTINUOUS

CORR. CORRUGATED

CSWK. CASEWORK

CONC. CONCRETE

B.W. BOTH WAYS

BLK.

B.M.

BOT.

CER. C.F.

CLG.

CLR.

BRG.

A.P.A. AMERICAN PLYWOOD

ARCH. ARCHITECT (URAL)

BOARD

BLOCK

BITUMINOUS

BENCH MARK

CATCH BASIN

CERAMIC

CEILING

CLOSET

CLEAR (ANCE)

CASEMENT

CERAMIC TILE

CUBIC FOOT

CAST IRON

C.C.B.R. CLOSED CELL BACKER ROD

BEAM

BOTTOM

BEARING

ELEC. ELETRIC (AL)

EMER. EMERGENCY

ENCL. ENCLOSURE EQUIP. EQUIPMENT

EXIST. (E) EXISTING

EXH. EXHAUST

EXT. EXTERIOR

F.A. FIRE ALARM

F.D. FLOOR DRAIN

FDN. FOUNDATION F.E.C. FIRE EXTINGUISHER

FIBERGL. FIBERGLASS FIN. FINISH (ED)

FLASH. FLASHING

F.O. FACE OF

FTG. FOOTING

FURR. FURRED (ING

GALV. GALVANIZED

G.B. GRAB BAR

FLR. FLOOR (ING)

FLUOR. FLUORESCENT

F.O.F. FACE OF FINISH

F.O.S. FACE OF STUDS

F.O.M. FACE OF MASONR'

FULL SIZE

GAUGE

FIREPLACE

FOOT OR FEET

GALVANIZED IRON

GLASS, GLAZING

GRADE, GRADING

G.W.B. GYPSUM WALLBOARD

F.B. FLAT BAR

EXP. EXPOSED, EXPANSIO

FAST. FASTEN. FASTENER

F.H.M.S. FLAT HEAD MACHINE

F.H.W.S. FLAT HEAD WOOD SO

F.O.C. FACE OF CONCRETE

	H.M.	HOLLOW METAL	OFF.	OFFICE	S.M.S.	SHEET METAL SCREW
	HORIZ.	HORIZONTAL	O.H.M.S.	OVALHEAD MACHINE SCREW	SPECS.	SPECIFICATIONS
	HGT.	HEIGHT	O.H.W.S.	OVALHEAD WOOD SCREW	SQ.	SQUARE
	HTG.	HEATING	OPNG.	OPENING	STL.	STEEL
	H.W.	HOT WATER	OPP.	OPPOSITE	STD.	STANDARD
	HVAC	HEATING, VENTILATING,	O.S.B.	ORIENTED STRAND BOARD	STAG.	STAGGERED
		AND AIR CONDITIONING			STOR.	STORAGE
			P.A.F.	POWDER ACTUATED FASTENER	STRUCT.	STRUCTURAL
	I.C.B.O.	INTERNATIONAL CONFERENCE	PART. BD.	PARTICLE BOARD	SUSP.	SUSPENDED
		OF BUILDING OFFICIALS	P.G.	PAINT GRADE	SYM.	SYMETRICAL
	I.D.	INSIDE DIAMETER	PERF.	PERFORATED	SYS.	SYSTEM
	INCL.	INCLUDED, INCLUDING	P.L.F.	POUNDS PER LINEAL FOOT	T.	
	INSUL.	INSULATION	P.L.	PROPERTY LINE.		TREAD (S)
	INT.	INTERIOR	PL. LAM.	PLASTIC LAMINATE	T.B.	TOWEL BAR
OR	INV.	INVERT	PLAS.	PLASTER	T.C.	TOP OF CURB
			PLY.	PLYWOOD	TEL.	TELEPHONE
	JAN.	JANITOR	PR.	PAIR	TEMP.	TEMPERED
	J.H.	JOIST HANGER	P.S.F.	POUNDS PER SQUARE FOOT	T.E.N.	TYPICAL EDGE NAILING
	JT.	JOINT	P.S.I.	POUNDS PER SQUARE INCH	T & G	TONGUE AND GROOVE
			P.T.	PRESSURE TREADED	T.GR.	TOP OF GRATE
	KIT.	KITCHEN	PART.	PARTITION	THK.	THICK (NESS)
ON			P.T.D.	PAPER TOWEL DISPENSER	THRESH.	THRESHOLD
	L.	LONG, LENGTH	P.V.C.	POLYVINYL CHLORIDE	T.O.	TOP OF
	LAM.	LAMINATE, LAMINATED			T.P.	TOP OF PAVEMENT
	LAV.	LAVATORY	R.	RISER (S)	T.P.H.	TOILET PAPER HOLDER
	L.B.	LAG BOLT	R.A.	RETURN AIR	TV	TELEVISION
	LOC.	LOCATE, LOCATION	RAD.	RADIUS	T.W.	TOP OF WALL
	L.W.	LIGHT WEIGHT	R.D.	ROOF DRAIN	TYP.	TYPICAL
			REG.	REGISTER		-
CABINET	MAS.	MASONRY	REF.	REFRIGERATOR	U.B.C.	UNIFORM BUILDING CODE
	MAT.	MATERIAL (S)	REINF.	REINFORCED, REINFORCING	U.L.	UNDERWRITER'S LABORATORIES
	MAX.	MAXIMUM	REQ'D.	REQUIRED	U.O.N.	UNLESS OTHERWISE NOTED
E SCREW	M.B.	MACHINE BOLT	REQMT.	REQUIREMENT	UR.	URINAL
CREW	M.C.	MEDICINE CABINET	RESIL.	RESILIENT		
	M.H.	MAN HOLE	R.H.M.S.		V.B.	VAPOR BARRIER
	MECH.	MECHANICAL	R.H.W.S.	ROUND HEAD WOOD SCREW	VAR.	VARIES
	MEMB.	MEMBRANE	RM.	ROOM	VERT.	VERTICAL
	MEZZ.	MEZZANINE	R.O.	ROUGH OPENING	V.G.	VERTICAL GRAIN
=	MFR.	MANUFACTURE (ER)	R.O.W.	RIGHT OF WAY	V.T.	VINYL TILE
	MIN.	MINIMUM	R.S.	RESAWN	W.	WEST
	MIR.	MIRROR	RUB.	RUBBER	W.	WIDE, WIDTH
	MISC.	MISCELLANEOUS	RWD.	REDWOOD	W/	WITH
	MLDG.	MOULDING	R.W.L.	RAIN WATER LEADER	W.C.	WATER CLOSET
	M.I.W.	MALLEABLE IRON WASHER			WD.	WOOD
	M.O.	MASONRY OPENING	S.	SOUTH	WDW.	WINDOW
				00115 51 001/110		

SCHED. SCHEDULE

SECT.

SERV.

SOLID BLOCKING

SOLID CORE

STORM DRAIN

STAIN GRADE

SQUARE FEET (FOOT)

SECTION

SERVICE

SH. SHELF, SHELVING

SHWR. SHOWER

WITHOUT

W.P.

W.R.

W.S.

WSCT.

WT. WEIGHT

WATERPROOF

WOOD SCREW

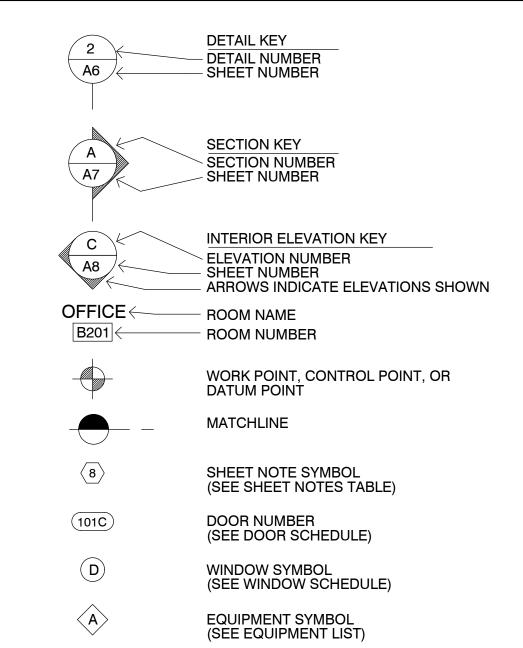
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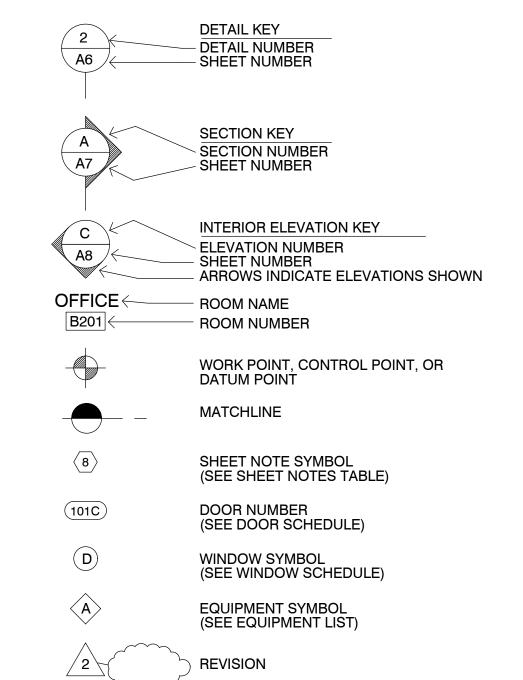
W.W.M. WELDED WIRE MESH

WATER RESISTANT

WATER HEATER

WOODWORK INSTITUTE OF





Additions and alterations not altering the drainage path.		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
WATER EFFICIENCY AND CONSERVATION		
Meters – 5.303.1. Separate submeters or metering devices shall be installed for the uses described below	<i>7</i> :	
New buildings or additions in excess of 50,000 square feet. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day, including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.		
New buildings or additions in excess of 50,000 square feet For water supplied to the following subsystems, where separate submeters for individual building tenants are unfeasible: a) Makeup water for cooling towers where flow through is greater than 500 gpm b) Makeup water for evaporative coolers greater than 6gpm c) Steam and hot-water boilers with energy input more than 500,000 Btu/h Excess consumption – 5.303.1.2.		
For any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day. Water conserving plumbing fixtures and fittings – 5.303.3	hall assembly with t	ha fallowing
Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) s	nall comply with t	ne following:
Water closets – 5.303.3.1 The effective flush volume of all water closets shall not exceed 1.28 gpf.		
Urinals – 5.303.3.2 The effective flush volume of urinals shall not exceed 0.5 gpf.		
Single showerheads – 5.303.3.3.1 Showerheads shall have a max. flow rate of not more than 2.0 gpm at 80 psi.		
Multiple showerheads – 5.303.3.3.2 When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.		
Nonresidential lavatory faucets – 5.303.3.4.1 The flow rate shall not exceed 0.5 gpm at 60 psi.		
Kitchen faucets – 5.303.3.4.2 The flow rate shall not exceed 1.8 gpm at 60 psi. Kitchen faucet can temporarily increase the flow rate above the maximum rate, not to exceed 2.2 gpm @ 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.		
Wash fountains – 5.303.3.4.3 The flow rate shall not exceed 1.5 gpm		
Metering faucets – 5.303.3.4.4 The flow rate shall not exceed 0.20 gallons per cycle.		
000 417.5	– 2016 CALGreen Non-Resid	ential Mandaton, Moss

Updated: 01/30/2017 (hluu/ctan)

space.		
Designated parking – 5.106.5.2.		
	terations that add 10 or more vehicular parkin	ng
spaces, provide designated parki	ng for any combination of low-emitting, fue	lel
efficient, and carpool/van pool veh		
Electric Vehicle (EV) Charging -		
	th Section 5.106.5.3.1 or 5.106.5.3.2 to facilitate	te
future installation of electric vehic	e supply equipment (EVSE).	
(Table 5.106.5.3.3)		
Total Number of Astrol D	pulsing Number of Degrand EV De-1	
Total Number of Actual P		′
Spaces 0-9	Parking Spaces 0	\dashv
10-25	1	-
26-50	2	
51-75	4	
76-100	5	-
101-150	7	
151-200	10	
201 and over	6 percent of total (round up to nearest	
	whole number)	
Light pollution reduction. – 5.10	,	
	ll be designed and installed to comply with the	ne
following:		
	nts in the California Energy Code for Lightin	
Zones 1-4 as defined in C	hapter 10 of the California Administrative Code	e;
and		
	are (BUG) ratings as defined in IESNA TM-15	5-
11; and		
	t exceeding those shown in Table 5.106.8, lawfully enacted pursuant to Section 101.	7
whichever is more stringent.	rawrung chacted pursuant to section 101.	' ,
Exception: [N]		
	y as exceptions in Section 140.7 of the California	ia
Energy Code.	, and the second	
2 Emergency lighting		
	ing the requirements in Table 140.7-B of the	he
California Energy Cod		
	ares as allowed by local enforcing agency, a	
•	01.8 Alternate materials, designs and methods of	of
construction.		
	building Code, Chapter 12, Section 1205.6 for	or
conege campus lighting requireme	nts for parking facilities and walkways.	
Grading and paving – 5.106.10.		
	ow site grading or a drainage system will manag	ge
		٥٠
all surface water flows to keep wat	er from entering buildings.	

spaces, provide designated parking for	ns that add 10 or more vehicular parking any combination of low-emitting, fuel	
efficient, and carpool/van pool vehicles as	s shown on Table 5.106.5.2.	
Electric Vehicle (EV) Charging - 5.106 [N] Construction shall comply with Sectifuture installation of electric vehicle suppl (Table 5.106.5.3.3)	ion 5.106.5.3.1 or 5.106.5.3.2 to facilitate	
,	N. 1. C.D.: 1 EV. D. 1	
Total Number of Actual Parking	Number of Required EV Ready Parking Spaces	
Spaces 0-9	0	
10-25	1	
26-50	2	
51-75	4	
76-100	5	
101-150	7	
151-200	10	
201 and over	6 percent of total (round up to nearest whole number)	
Zones 1-4 as defined in Chapter and 2. Backlight, Uplight and Glare (BU 11; and 3. Allowable BUG ratings not excee or Comply with local ordinance lawfu whichever is more stringent. Exception: [N] 1 Luminaires that qualify as excent Energy Code. 2 Emergency lighting 3 Building façade meeting the California Energy Code, Part 4 Custom lighting features as permitted by Section 101.8 A construction.	ceptions in Section 140.7 of the California e requirements in Table 140.7-B of the 6. allowed by local enforcing agency, as Iternate materials, designs and methods of g Code, Chapter 12, Section 1205.6 for	
Grading and paving – 5.106.10. Construction plans shall indicate how site all surface water flows to keep water from	grading or a drainage system will manage	

al Mandatory Measures : 01/30/2017 (hluu/ctan)

Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to sec. 303.1.	
Systems. Develop a written plan of procedures for testing and adjusting systems.	
Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.	
HVAC balancing. Before a new space-conditioning system serving a building or space is operated for normal use, the system should be balanced in accordance with the procedures defined by standards as listed in sec. 5.410.4.3.1.	
Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.	
Operation and maintenance (O&M) manual. Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection.	
Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.	
Environmental Quality	
Fireplaces – 5.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Wood stoves and pellet stoves shall comply with U.S. EPA Phase II emission limits where applicable.	
Pollutant Control – 5.504 Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.	
The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a MERV of 8. Replace all filters immediately prior to occupancy, or if the building is occupied during alteration, at the conclusion of construction.	
Duct openings and other related air distribution component openings shall be covered during construction.	

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Recycling by occupants – 5.410.1.	
Provide readily accessible areas that serve the entire building and are identified for	
the depositing, storage, and collection of non-hazardous materials for recycling.	
Additions.	
All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas	
on site.	
Exceptions: Additions conducted within a 12 month period within a tenant space resulting in less than a 30% increase in the tenant space floor area.	
Commissioning – 5.410.2.	
For new buildings 10,000 square feet and over, building commissioning for all	
building operating systems covered by T24, Part 6, process equipment and controls, and renewable energy systems shall be included in the design and construction	
processes of the building project to verify they meet the owner's or owner	
representative's project requirements. Commissioning shall be performed by trained	
personnel with experience on projects of comparable size and complexity.	
Owner's Project Requirements (OPR).	
The expectations and requirements of the building appropriate to its phase shall be	
documented before the design phase of the project begins.	
Basis of Design (BOD) – 5.410.2.2.	
A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project.	
Commissioning plan.	
A commissioning plan describing how the project will be commissioned shall be	
completed prior to permit issuance.	
Functional performance testing.	
Functional performance tests shall demonstrate the correct installation and	
operation of each component, system, and system-to-system interface in accordance with the approved plans and specifications.	
Systems manual. The Systems Manual, which includes decommentation of the expertional cornects.	
The Systems Manual, which includes documentation of the operational aspects of the building, shall be delivered to the building owner or representative and	
facilities operator.	
Systems operations training.	
A program for training of the appropriate maintenance staff for each equipment	
type and/or system shall be developed and documented in the commissioning report.	
Commissioning report.	
A report of commissioning process activities undertaken through the design and	
construction phases of the building project shall be completed and provided to the	
owner or representative.	

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures Updated: 01/30/2017 (hluu/ctan)

2016 CAL GREEN

NON-RESIDENTIAL MANDATORY MEASURES CHECKLIST

PERMIT NUMBER: 1021 Monterey - Salinas Highway, Salinas, CA 93908 **CONTACT INFORMATION:** Paul W. Davis, AIA APPLICANT'S NAME: PHONE NUMBER: (831) 373-2784

Following is a standardized checklist of the 2016 California Green Building Standards Code (CalGreen) requirements that may be used to demonstrate compliance with the CalGreen Mandatory Measures (chapter 4). This checklist applies to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above. Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

paulw@pauldavispartnership.com

Metering faucets for wash fountains – 5.303.3.4.5

Standards for plumbing fixtures and fittings – 5.303.6.

A water budget shall be developed for landscape irrigation use.

MATERIAL CONSERVATION AND RESOURCE

Provide a weather-resistant exterior wall and foundation envelope.

Employ moisture control measures by the following methods; **Sprinklers**. Prevent irrigation spray on structures.

Commercial Kitchen equipment – 5.303.4
Food waste disposers shall modulate the use of water to no more than 1 gpm when

the disposer is not in use or shall automatically shut off after no more than 10

Provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alterations to all buildings within the authority of the California Building

Plumbing fixtures and fittings shall be installed in accordance with the California

Outdoor water use in landscape areas equal to or greater than 500 square feet

Outdoor water use in rehabilitated landscape projects equal to or greater than

Entries and openings. Design exterior entries and openings to prevent water

A minimum of 50% of the non-hazardous construction and demolition waste generated at the site shall be diverted to recycle or salvaged. This is achieved by submitting a Waste Management Plan for approval by the Building and Safety Department prior to demolition permit issuance and providing documentation to

demonstrate compliance with the Waste Management Plan after completion of

100% of trees, stumps, rocks and associated vegetation and soils resulting primarily

minutes of inactivity. Disposers shall use no more than 8 gpm of water.

The flow rate shall not exceed 0.20 gpm.

Areas of addition or alteration – 5.303.5.

Plumbing Code and Chapter 6 of this code.

Standards Commission.

Water budget – 5.304.1.

2,500 square feet – 5.304.3

Weather protection – 5.407.1.

Moisture control - 5.407.2.

intrusion into buildings.

Construction waste management – 5.408.1.

demolition and/or prior to final inspection.

Excavated soil and land clearing debris – 5.408.3.

CALGREEN REFERENCE AND DESCRIPTION	DESIGNER'S COMMENTS WITH PLAN SHEET REFERENCE	CITY USE: FIELD VERIFICATION
5.201.1 Scope The California Energy Commission will continue to adopt mandatory building standards.		
PLANNING AND DESIGN – SITE DEVELOPMENT		
 Storm water pollution prevention – 5.106.1. Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures: Local ordinance. Comply with a lawfully enacted stormwater management and/or erosion control ordinance. Best management practices (BMP). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP. 		
Short-term bicycle parking – 5.106.4.1.1. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack. Exception: 1. Additions or alterations which add nine or less visitor vehicular parking spaces.		
Long-term bicycle parking – 5.106.4.1.2. For new buildings with over 10 tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5% of the tenant vehicular parking spaces being added, with a minimum of one		

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BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures

Project / Owner:

LAGUNA SECA START-FINISH **BRIDGE**

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA 93908

APN: 173-011-023-000





The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com





04/06/18

Drawn By:

Project Number: 1725

Drawing Date:

Revisions:

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Sheet Title: CALGREEN NON-RESIDENTIAL CHECKLIST

Sheet Number:

Carpet and carpet systems shall be compliant	0 1	
requirements per sec. 5.504.4.4, 504.4.4.1, 504.4.	.4.2.	
Hardwood plywood, particleboard and medium	density fiberboard composite	
wood products used on the interior or exterior	•	
*	of the building shall meet the	
formaldehyde limits per sec. 5.504.4.5.		
FORMALDEHYDELIM	ITS^1	
(Maximum formaldehyde Emissions in		
PRODUCT	LIMIT	
Hardwood plywood veneer core	0.05	
Hardwood plywood composite core	0.05	
Particleboard	0.09	
Medium density fiberboard	0.11	
Thin medium density fiberboard ²	0.13	
1. Values in this table are derived from those specified by the California		
Control Measure for Composite Wood as tested in accordance w additional information, see California Code of Regulations, Title 1'		
2. Thin medium density fiberboard has a maximum thickness of 5/16	•	
For 80% of floor area receiving resilient flooring	ng shall meet the requirements	
per sec. 5.504.4.6.		
Documentation shall be provided to the City bu	ilding inspector verifying that	
compliant finish materials have been used.		
Filters – 5.504.5.3.		
	and and an arrange of the	
n mechanically ventilated buildings, provide reg		
uilding with air filtration media for outside and ret		
rovides at least a MERV of 8. Recommendations		
he same value shall be included in the operation and	maintenance manual.	
Exceptions:		
1. An ASHRAE 10% to 15% efficiency filter s	hall be permitted for an HVAC	
unit meeting 2013 California Energy Code	e having 60,000 Btu/h or less	
capacity per fan coil, if the energy use of	the air delivery system is 0.4	
W/cfm or less at design air flow.	,	
1. Existing mechanical equipment.		
abeling.		
nstalled filters shall be clearly labeled by the manu	ifacturer indicating the MERV	
ating.	mineral maneuring and marrie	
g.		
Environmental tobacco smoke (ETS) control – 5.5	04.7.	
Where outdoor areas are provided for smoking, prol		
uilding entries, outdoor air intakes and operable wir	_	
outsoot all manes and operation will	and and and	
ndoor moisture control - 5.505.1		
Buildings shall meet or exceed the provisions of C	alifornia Building Code, CCR	
Fitle 24. Part 2. Sections 1203 and Chapter 14.1.	unionia Danunig Coue, CCR.	
Outside air delivery – 5.506.1.		
or mechanically or naturally ventilated spaces in	buildings, meet the minimum	
equirements of Section 120.1 of the California E		
The second secon		
CCRC, Title 8 or the applicable local code, whichever	er is more stringent.	

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VOC CONTENT LIMITS FOR ARCHI (Grams of VOC per Liter of Coating, Less Water		
COATING CATEGORY	VOC	i I
Flat coatings	50	
Nonflat coatings	100	i I
Nonflat-high gloss coatings	150	
SPECIALTY COATING	Specialty	
Aluminum roof coatings	400	
Basement specialty coatings	400	
Bituminous roof coatings Bituminous roof primers	50 350	i I
Bond breakers	350	
Concrete curing compounds	350	
Concrete/masonry sealers	100	
Driveway sealers	50	
Dry fog coatings	150	
Faux finishing coatings	350	i I
Fire resistive coatings	350	i I
Floor coatings	100	i I
Form-release compounds	250	i I
Graphic arts coatings (sign paints)	500	i I
High temperature coatings Industrial maintenance coatings	420 250	i I
Low solids coatings Low solids coatings	120	i I
Magnesite cement coatings	450	i I
Mastic texture coatings	100	i I
Metallic pigmented coatings	500	i I
Multicolor coatings	250	i I
Pretreatment wash primers	420	i I
Primers, sealers, and undercoaters	100	i I
Reactive penetrating sealers	350	i I
Recycled coatings	250	
Roof coatings	50	i I
Rust preventative coatings	250	
Shellacs Clear	730	
Opaque	550	
Specialty primers, sealers and undercoaters	100	
Stains	250	
Stone consolidants	450	
Swimming pool coatings	340	
Traffic marking coatings	100	
Tub and tile refinish coatings	420	
Waterproofing membranes	250	
Wood coatings	275	
Wood preservatives Zinc-rich primers	350 340	
Zinc-nen primers	340	

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Adhesives, sealants and caulks shall be comp 5.504.4.1.		
ADHESIVE VOC LIM		
(Less Water and Less Exempt Compoun		
ARCHITECTURAL	VOC LIMIT	
Indoor carpet adhesives	50	
Carpet pad adhesives	50	
Outdoor carpet adhesives	150	
Wood flooring adhesive	100	
Rubber floor adhesives	60	
Subfloor adhesives	50	
Ceramic tile adhesives	65	
VCT and asphalt tile adhesives	50	
Drywall and panel adhesives	50	
Cove base adhesives	50	
Multipurpose construction adhesives	70	
Structural glazing adhesives	100	
Single-ply roof membrane adhesives	250	
Other adhesives not specifically listed	SATIONS 50	
SPECIALTY APPLIC		
PVC welding	510	
CPVC welding	490 325	
ABS welding Plastic cement welding	250	
	550	
Adhesive primer for plastic Contact adhesive	80	
	250	
Special purpose contact adhesive Structural wood member adhesive	140	
Top and trim adhesive	250	
SUBSTRATE SPECIFIC AP		
Metal to metal	TEICATIONS 30	
Plastic foams	50	
Porous material (except wood)	50	
Wood	30	
Fiberglass	80	
Tibergiass		
If an adhesive is used to bond dissimilar substrates together, the a be allowed. For additional information regarding methods to measure VOC or	_	
For additional information regarding methods to measure VOC confusion Quality Management District Rule 1168. CEAL AND VICE LINE		
Quality Management District Rule 1168. SEALANT VOC LIN	ИІТ	
Quality Management District Rule 1168. SEALANT VOC LIM (Less Water and Less Exempt Compoun	MIT ads in Grams per Liter)	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS	MIT ads in Grams per Liter) VOC LIMIT	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS Architectural	MIT ads in Grams per Liter) VOC LIMIT 250	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck	VIT Inds in Grams per Liter) VOC LIMIT 250 760	
Quality Management District Rule 1168. SEALANT VOC LIM (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck Nonmembrane roof	MIT Inds in Grams per Liter) VOC LIMIT 250 760 300	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck Nonmembrane roof Roadway	VOC LIMIT 250 760 300 250	
Quality Management District Rule 1168. SEALANT VOC LING (Less Water and Less Exempt Compound SEALANTS) Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane	VOC LIMIT 250 760 300 250 450	
Quality Management District Rule 1168. SEALANT VOC LING (Less Water and Less Exempt Compound SEALANTS) Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane Other	MIT Inds in Grams per Liter) VOC LIMIT 250 760 300 250 450 420	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane Other SEALANT PRIM	MIT Inds in Grams per Liter) VOC LIMIT 250 760 300 250 450 420	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane Other SEALANT PRIM Architectural	MIT Inds in Grams per Liter) VOC LIMIT 250 760 300 250 450 420 ERS	
Quality Management District Rule 1168. SEALANT VOC LIN (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane Other SEALANT PRIM	MIT Inds in Grams per Liter) VOC LIMIT 250 760 300 250 450 420	
Quality Management District Rule 1168. SEALANT VOC LIM (Less Water and Less Exempt Compoun SEALANTS) Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane Other SEALANT PRIM Architectural Nonporous Porous	MIT Ads in Grams per Liter) VOC LIMIT 250 760 300 250 450 420 ERS 250 775	
Quality Management District Rule 1168. SEALANT VOC LIM (Less Water and Less Exempt Compoun SEALANTS Architectural Marine deck Nonmembrane roof Roadway Single-ply roof membrane Other SEALANT PRIM Architectural Nonporous	MIT Inds in Grams per Liter) VOC LIMIT 250 760 300 250 450 420 ERS	

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Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA 93908

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS



The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



Drawn By:

04/06/18 Drawing Date:

Project Number: 1725

Revisions:

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the acceptance of the restrictions.



Sheet Title: CALGREEN NON-RESIDENTIAL CHECKLIST

Sheet Number:

CALGREEN SIGNATURE DECLARATIONS Section 1 – Design Verification

Complete all lines of Section 1 – "Design Verification" and submit the completed checklist (Columns 1 and 2) with the plans and building permit application to the Building Department.

The owner and design professional responsible for compliance with CalGreen Standards have revised the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2016 California Green Building Standards Code.

Owner's Name (Printed)	Owner's Signature	Date
Design Professional's Name (Printed)	Design Professional's Signature	Date
Name of License Professional responsible for	or Cal Green Compliance	Phone Number
Signature of License Professional responsible	e for Cal Green Compliance	Date
E-Mail Address for License Professional res	ponsible for Cal Green Compliance	
Section 2 – Implementation Ve	rification (To be completed prior to Finated checklist, including column 3, together	- ,
Section 2 – Implementation Ve Complete, sign and submit the compe on Section 2 to the Building Inspector I have inspected the work and have recei	rification (To be completed prior to Finated checklist, including column 3, together at the Final Inspection. ved sufficient documentation to verify and country that this Green Building Checklist and in accountry.	er with all original signature ertify that the project identifie
Section 2 – Implementation Ve Complete, sign and submit the compe on Section 2 to the Building Inspector I have inspected the work and have receivabove was constructed in accordance with	rification (To be completed prior to Finated checklist, including column 3, together at the Final Inspection. ved sufficient documentation to verify and country that this Green Building Checklist and in account and ards Code.	er with all original signature ertify that the project identifie
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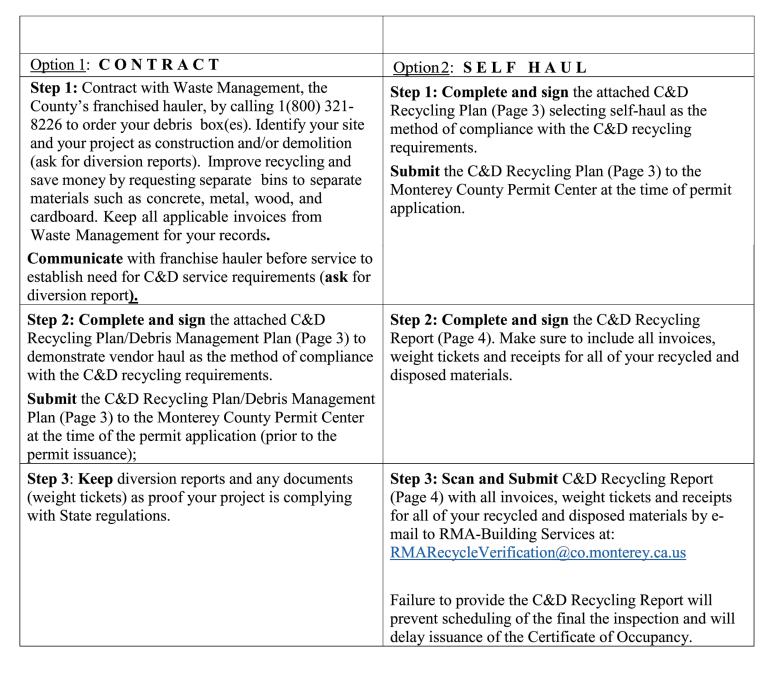
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HVAC system installers are trained and certified in the proper installation of HVAC systems. Special inspectors employed by the owner or owner's agent shall demonstrate competence for the particular type of inspection to be performed and shall have a certification from a recognized state, national or international association in the area closely related to the primary job function. Verifications (703). Verifications (703). Verifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency, which show substantial conformance.	Valves and fittings shall comply with the requirements in sec. 5.508.2.2. Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, or be coated to prevent corrosion from these substances. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency. Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver. Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging per sec. 5.508.2.5. Evacuation. The system shall be evacuated after pressure testing and prior to charging per sec. 5.508.2.6. INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS - 702 HVAC system installers are trained and certified in the proper installation of HVAC systems. Special inspectors employed by the owner or owner's agent shall demonstrate competence for the particular type of inspection to be performed and shall have a certification from a recognized state, national or international association in the area closely related to the primary job function. Verifications (703). Verification of compliance with this code may include construction documents,
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	REFERENCES
	2016 Green Building Standards Code, Part 11

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures Updated: 01/30/2017 (hluu/ctan)

	cildings or additions equipped with demand control ventilation, CO2 sensors entilation controls shall be specified and installed in accordance with rnia Energy Code sec. 120.1(c)(4).	
Envi	RONMENTAL COMFORT	
	tical Control – 5.507.4 y building assemblies and components with Sound Transmission Class (STC) values using one ds:	e of the foll
Wall a altered rating follow 1.	riptive method - Exterior noise transmission – 5.507.4.1 and roof ceiling assemblies making up the building or addition envelope or envelope shall have a composite STC of min. 50, or a composite OITC of min. 40, with exterior windows of an STC of min. 40 or OITC of 30 in the ing locations: Within the 65 CNEL noise contour of an airport. Within the 65 CNEL or Ldn noise contour of a freeway, railroad, industrial source or fixed-guideway source.	
shall h	ngs exposed to a noise level of 65 dB Leq-1-hr during any hour of operation have building, addition or alteration exterior wall and roof-ceiling assemblies east 45 composite STC rating (or OITC 35), with exterior windows of a min. f 40 (or OITC 30).	
For buceiling assemble constructions	rmance method – 5.507.4.2 mildings located as defined in sec. 5.507.4.1 or 5.507.4.1.1, wall and roof- blies making up the building or addition envelope or altered envelope shall be material to provide Leq-1Hr of 50 dBA in occupied areas during any hour of min. An acoustical analysis documenting compliance shall be provided.	
Wall a	or sound transmission – 5.505.7.4.3 and floor-ceiling assemblies separating tenant spaces and tenant spaces and places shall have a min. STC of 40.	
OUTI	DOOR AIR QUALITY	
Installa	e depletion and greenhouse gas reductions – 5.508.1 ations of HVAC, refrigeration and fire suppression equipment shall not in Chlorofluorocarbons (CFCs) and Halons.	
New of system either units a	market refrigerant leak reduction – 5.508.2. commercial refrigeration systems (including both new facilities and the replacement of exists in existing facilities) installed in retail food stores 8,000 square feet or more conditioned are refrigerated display cases, or walk-in coolers or freezers connected to remote compressor un nd contain high-global-warming potential (High-GWP) refrigerants with a GWP of 150 or greater following:	ea, and that aits or cond
P: ru th re	efrigerant piping. iping shall be installed to be accessible for leak protection and repairs. Piping ans using threaded pipe, copper tubing with an outside diameter (OD) less an 1/4", flared tubing connections and short radius elbows shall not be used in afrigerant systems except as noted in sec. 5.508.2.1.1, 5.508.2.1.2, 508.2.1.3, 5.508.2.1.4.	

Option 1: CONTRACT	Option 2: SELF HAUL
Step 1: Contract with Waste Management, the County's franchised hauler, by calling 1(800) 321-8226 to order your debris box(es). Identify your site and your project as construction and/or demolition (ask for diversion reports). Improve recycling and save money by requesting separate bins to separate materials such as concrete, metal, wood, and cardboard. Keep all applicable invoices from Waste Management for your records.	Step 1: Complete and sign the attached C&D Recycling Plan (Page 3) selecting self-haul as the method of compliance with the C&D recycling requirements. Submit the C&D Recycling Plan (Page 3) to the Monterey County Permit Center at the time of permapplication.
Communicate with franchise hauler before service to establish need for C&D service requirements (ask for diversion report).	
Step 2: Complete and sign the attached C&D Recycling Plan/Debris Management Plan (Page 3) to demonstrate vendor haul as the method of compliance with the C&D recycling requirements.	Step 2: Complete and sign the C&D Recycling Report (Page 4). Make sure to include all invoices, weight tickets and receipts for all of your recycled disposed materials.
Submit the C&D Recycling Plan/Debris Management Plan (Page 3) to the Monterey County Permit Center at the time of the permit application (prior to the permit issuance);	
Step 3: Keep diversion reports and any documents (weight tickets) as proof your project is complying with State regulations.	Step 3: Scan and Submit C&D Recycling Report (Page 4) with all invoices, weight tickets and receip for all of your recycled and disposed materials by email to RMA-Building Services at: RMARecycleVerification@co.monterey.ca.us
	Failure to provide the C&D Recycling Report will prevent scheduling of the final the inspection and v delay issuance of the Certificate of Occupancy.



Resource Management Agency Permit Center 1441 Schilling Place S, Second Floor Salinas CA 93901 Construction & Demolition (C&D) Recycling Report **Construction Permit Number: Section 3-Material Information** MATERIAL TYPE Reuse Recycle Disposed Hauler Material Destination Section 4 – Certification By signing below, I hereby certify that the information reported is complete and accurate to the best of my knowledge. I have put forth good faith effort to ensure that a minimum of 65% of the waste materials from this project were recycled or reused. Date Signature Print Name Phone Number Scan and e-mail C&D Recycling Report with all weight tags (recycling and disposal) to:

RMARecycleVerification@co.monterey.ca.us



Construction & Demolition (C&D) Recycling Guide

Construction and demolition debris, or C&D debris, comprises nearly 30% of the solid waste stream. This guide is designed to help construction permit applicants understand and comply with California state law related to recycling C&D debris.

- Your construction permit falls under this state law if your project involves: • New building construction (both residential and non-residential)
- Demolition
- Certain additions and alteration projects

Monterey County

Permit Center

Salinas CA 93901

Construction Permit Number:

Section 1 – Recycling Plan

Section 2 – Certification

Signature

Print Name

Monterey by e-mail prior to final inspection.

Resource Management Agency

1441 Schilling Place S, Second Floor

Under State law, all new building construction (residential and non-residential), demolition, and certain additions and alteration projects (all locally permitted additions and alterations to non-residential buildings or structures; additions and alterations to residential buildings that increase the structure's conditioned area, volume or size) are required to recycle and/or salvage for reuse a minimum 65% of non-hazardous C&D debris (California Green Building Standards Code Sections 4.408, 5.408, 301.1.1 and 301.3).

Monterey County helps to implement this state law through its construction permitting services. Under this program, administered through a partnership between the Monterey County Environmental Health Bureau and the Resource Management Agency Permit Center, construction permit recipients document how their C&D debris is recycled in order to get their building permit finalized, closed and/or approved for occupancy.

Construction permit recipients have two options for C&D recycling as detailed below. Under both options, the construction permit recipient must submit a C&D Recycling Plan, however under the self-haul option, the recipient must also submit a C&D Recycling Report.

Option 1: CONTRACT Under this option, building permit recipients contract with Waste Management, the franchise hauler. Monterey County has an exclusive franchise agreement for construction and demolition debris box hauling services with Waste Management. This means only Waste Management may independently deliver debris boxes and/or bins to a job site and haul them away when full.	Option 2: SELF HAUL Under this option, building permit recipients haul construction and demolition debris from the project directly to recycling and disposal facilities. You may self-haul materials to any C&D Recycling Facility to meet the 65% recycling requirement. Contact the Environmental Health Bureau at (831) 755-8979 for information on C&D Recycling Facilities. Cost savings may apply for source separated materials such as concrete, metal, etc. NOTE: Contractors may self-haul debris from their job sites as an incidental part of their services, only when the equipment, vehicles and/or trailers being used is owned and operated by the Contractor
	performing the service at the job site(s). Contractors may not hire a third-party to provide hauling services.
1	

Construction & Demolition (C&D) Recycling Plan/Debris Management Plan

How will you meet the requirement to recycle or salvage a minimum 65% of non-hazardous C&D

Option 2: I (includes subcontractors and clean up contractors) will self-haul the materials.

By signing below, I hereby certify that the information reported is complete and accurate to the best of my knowledge. I also understand that I must recycle/salvage at least 65% by weight of all materials generated

during the project and that if I choose to self-haul materials from the project site (Option 2 above), I am required to complete a C&D Recycling Report (Page 4). With the C&D Recycling Report I agree to submit

all invoices, weight tickets and receipts for all of my recycled and disposed materials to the County of

Phone number

Option 1: I will contract with Waste Management, the franchise hauler.

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA 93908

APN: 173-011-023-000





The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



Drawn By:

04/06/18 Drawing Date:

Project Number:

Revisions:

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CONSTRUCTION **WASTE MANAGEMENT** FORM / PLAN

Sheet Number:

A0.3

1. CONSTRUCTION STAGING AREA

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

Project / Owner:





The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



Project Number:

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Sheet Title:
(E) PARTIAL
SITE PLAN

Sheet Number:

SCALE: 1" = 100'-0"

(E) PARTIAL SITE PLAN

SCALE: 1" = 100'-0"

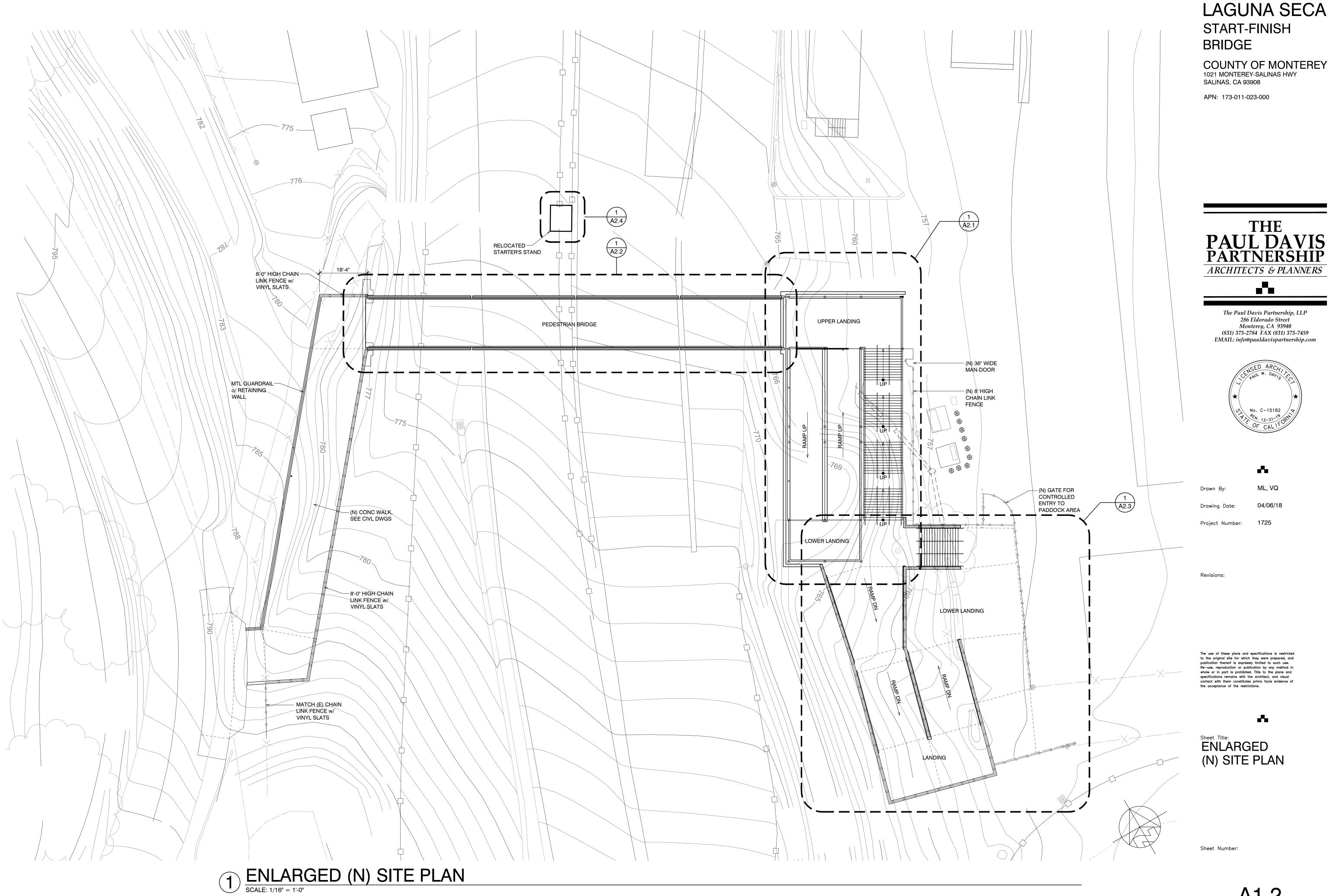
A1.0

LAGUNA SECA



The Paul Davis Partnership, LLP





COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000





The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



m By: ML, VC

Project Number: 1725

Revisions:

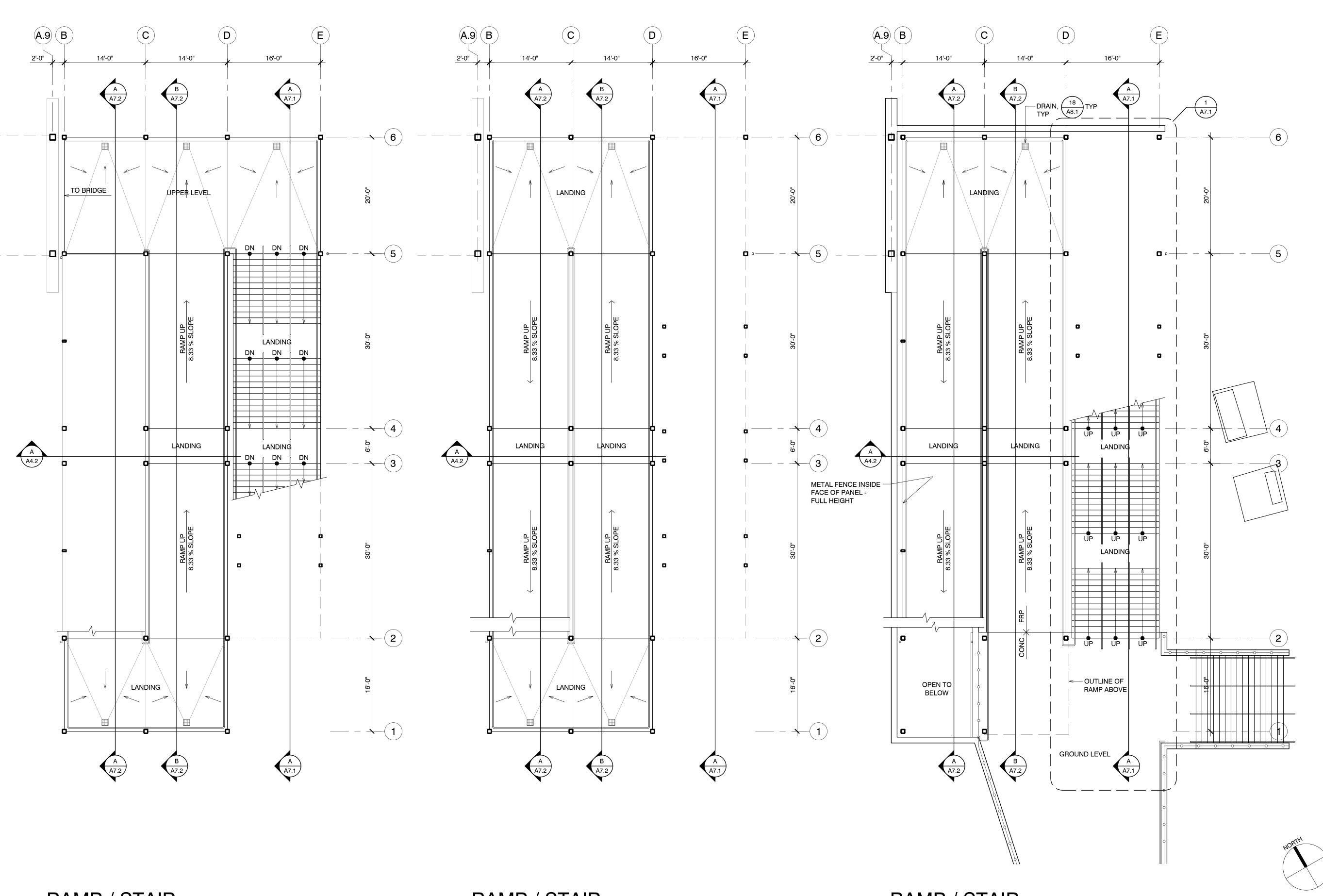
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^

Sheet Title: RAMP & STAIR PLAN

Sheet Number:

A2.1



RAMP / STAIR UPPER LEVEL

SCALE: 1/8" = 1'-0"

RAMP / STAIR
INTERMEDIATE LEVEL

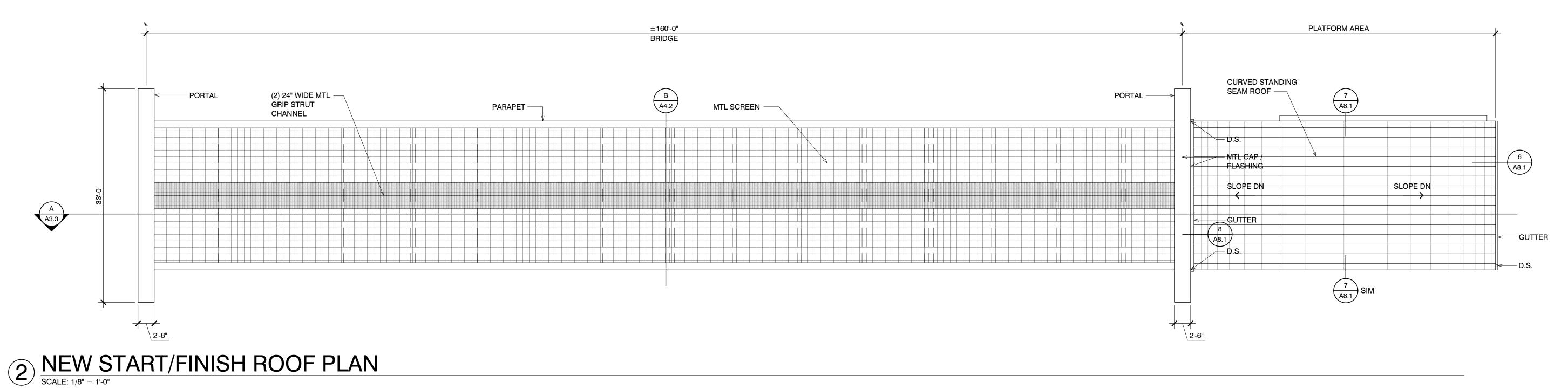
SCALE: 1/8" = 1'-0"

RAMP / STAIR
LOWER LEVEL

SCALE: 1/8" = 1'-0"

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA 93908

APN: 173-011-023-000



THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com





Project Number:

18'-8" 160'-0" 16'-0" A3.1 Revisions: A8.1 B A4.2 8' HIGH FENCE TV SCREEN / SCREEN -A7.3 - C.B. PER The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. CIVIL AREA DRAIN -— AREA DRAIN 2 A7.3 Re—use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of CROWN -SLOPE DIRECTION SLOPE DIRECTION 3 A3.1 NEW PROPOSED BRIDGE NEW RAMP / STAIR PLATFORM SEE SHEET A2.1 the acceptance of the restrictions. EXPANSION-JOINT, SEE STRUC DWGS AREA DRAIN -NEW START / FINISH GUARDRAIL-(2) (A7.3) (N) CONC WALK BRIDGE FLOOR & ROOF PLAN 7 A7.3 - 8' HIGH FENCE / SCREEN A7.3 Sheet Number:

NEW START/FINISH BRIDGE PLAN SCALE: 1/8" = 1'-0"

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

THE PAUL DAVIS PARTNERSHIP

ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP

286 Eldorado Street Monterey, CA 93940

(831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com

Project Number:

Revisions:

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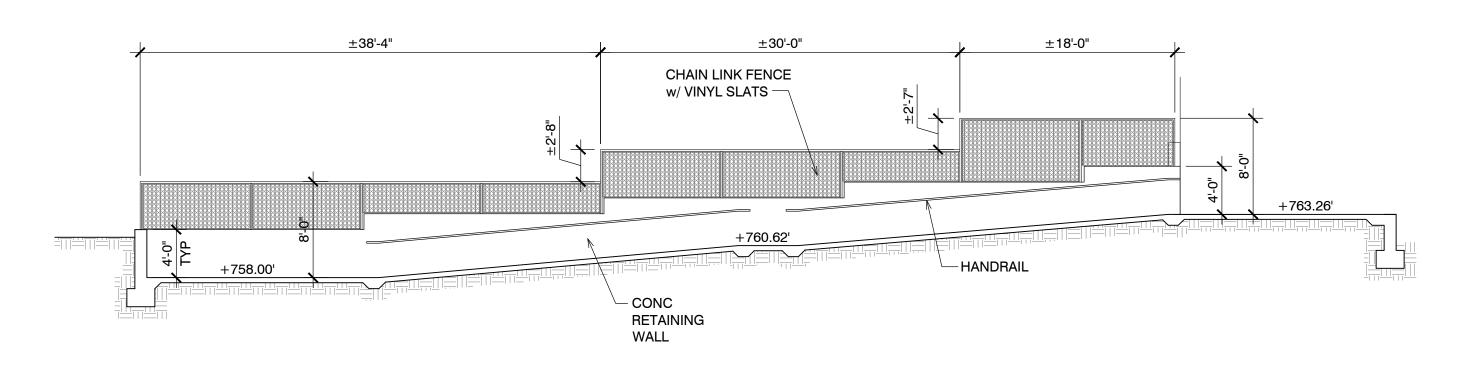
Re—use, reproduction or publication by any method in

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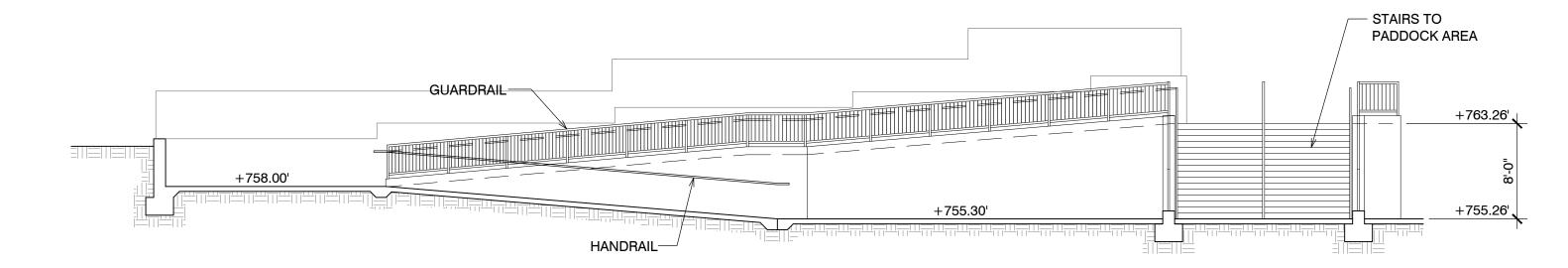
RAMP / STAIR AT PADDOCK AREA

the acceptance of the restrictions.

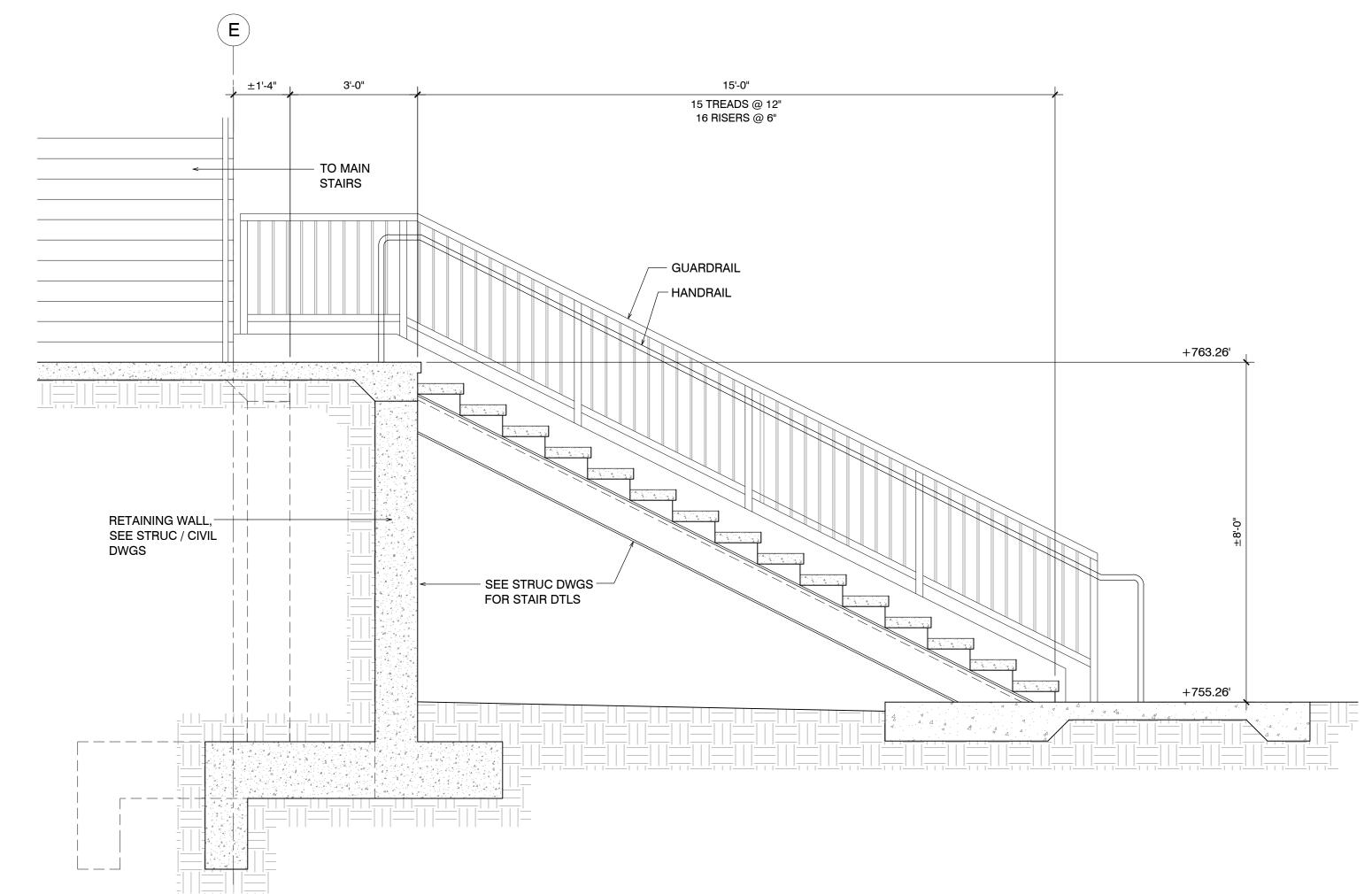
APN: 173-011-023-000



A RAMP SECTION SCALE: 1/8" = 1'-0"

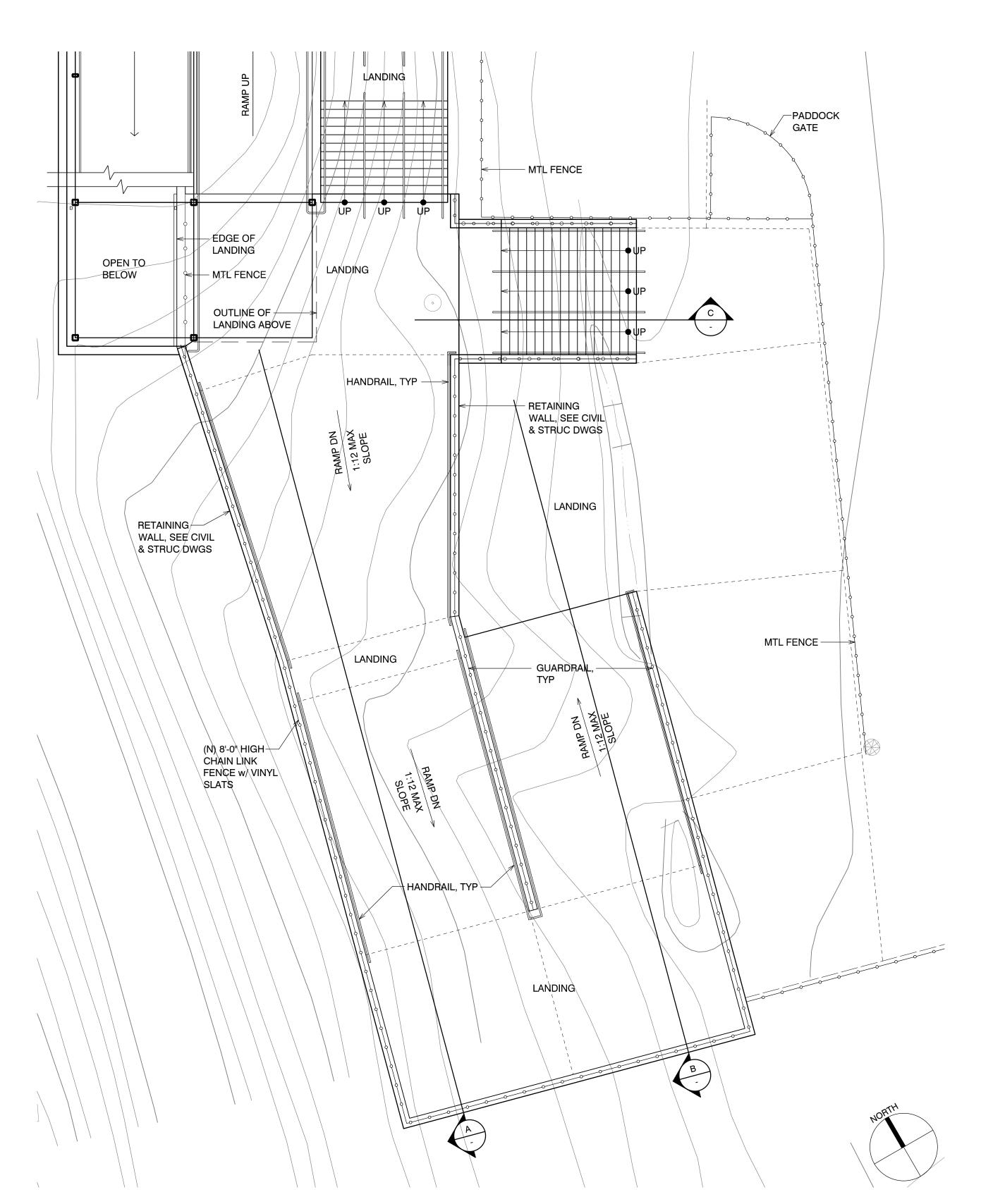


B RAMP SECTION SCALE: 1/4" = 1'-0"



STAIR SECTION

SCALE: 1/2" = 1'-0"



1 RAMP AT PADDOCK AREA SCALE: 1/8" = 1'-0"

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA 93908

APN: 173-011-023-000



The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



04/06/18

Project Number:

Revisions:

- (E) POST TO BE REMOVED, TYP

(E) CONC BASE TÓ REMAIN

- (N) CONC BASE

LADDER TO PLATFORM

— (N) CONC STAIRS

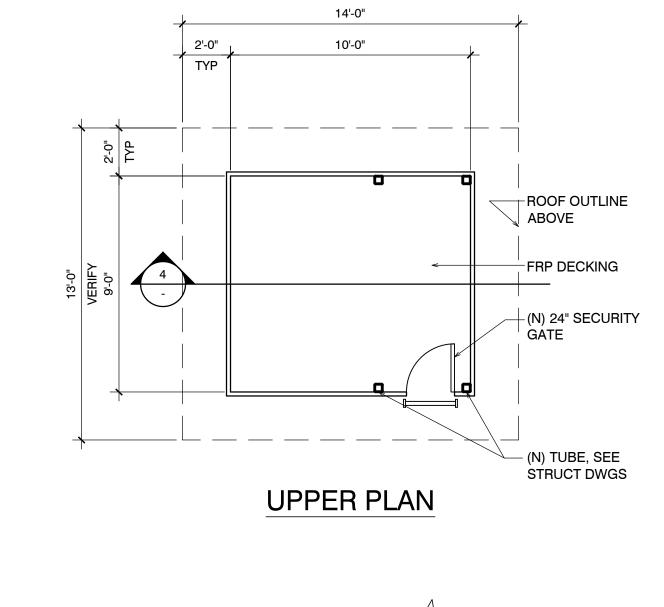
3'-0"

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the acceptance of the restrictions.

NEW STARTER'S STAND - FLOOR PLAN ELEVATION / SECTION

1 FLOOR PLAN
SCALE: 1/4" = 1'-0"



(E) CONC BARRIER

(E) MTL BÁRRIER

(N) PLATFORM ÀBOVE-

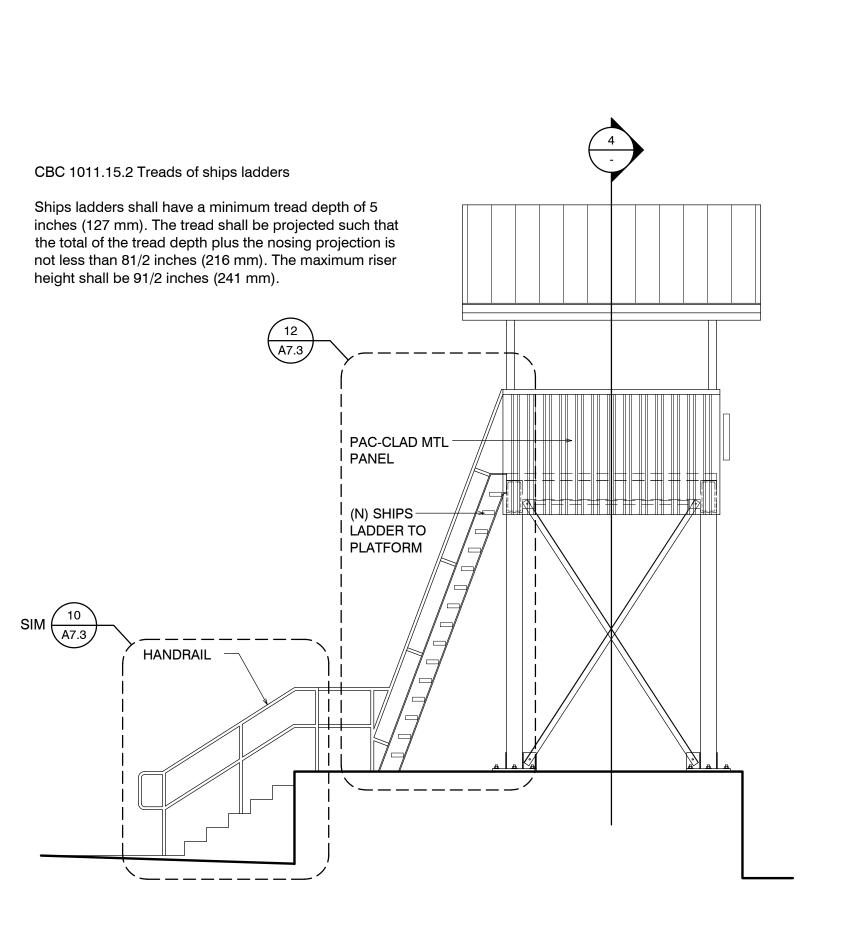
(E) CONC BASE

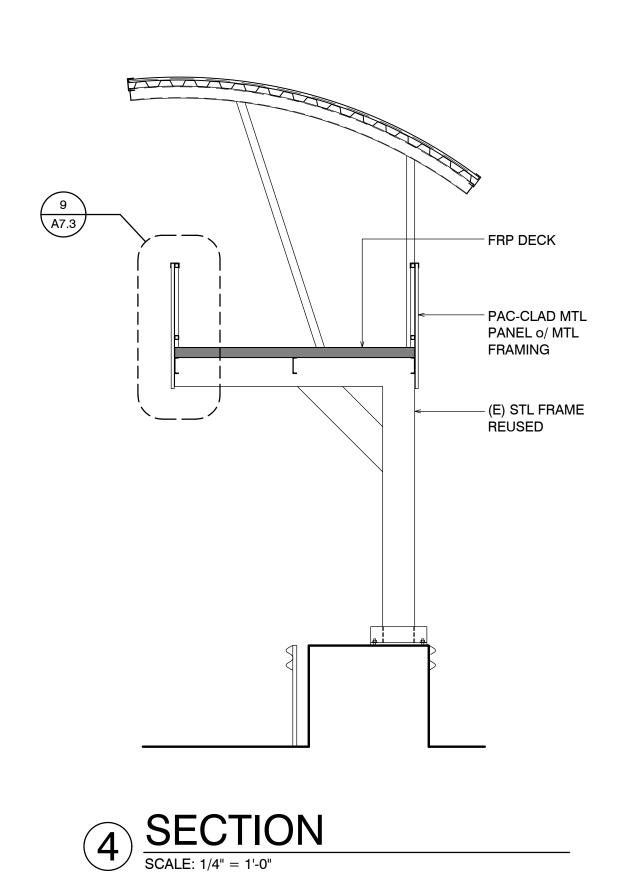
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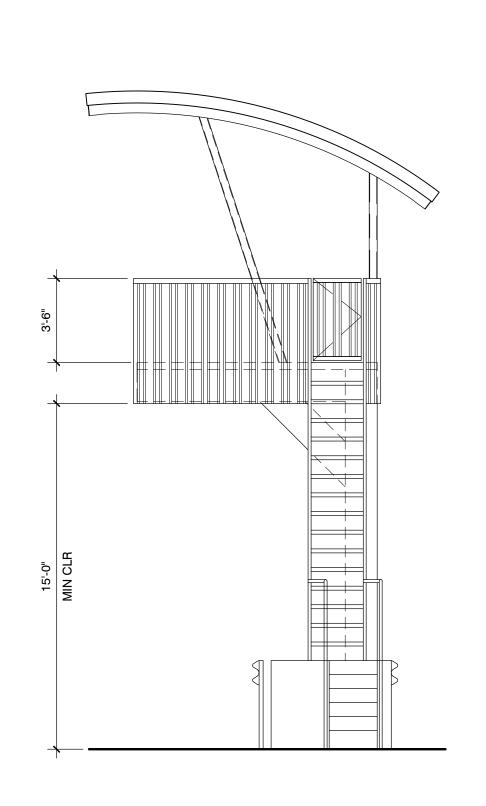
(E) CONC BARRIER

LOWER PLAN

(E) MTL — BARRIER



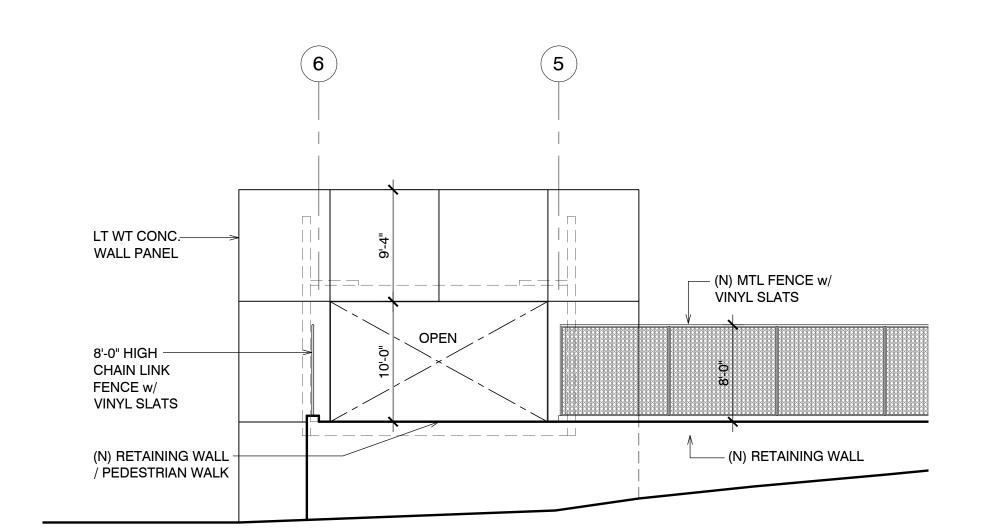


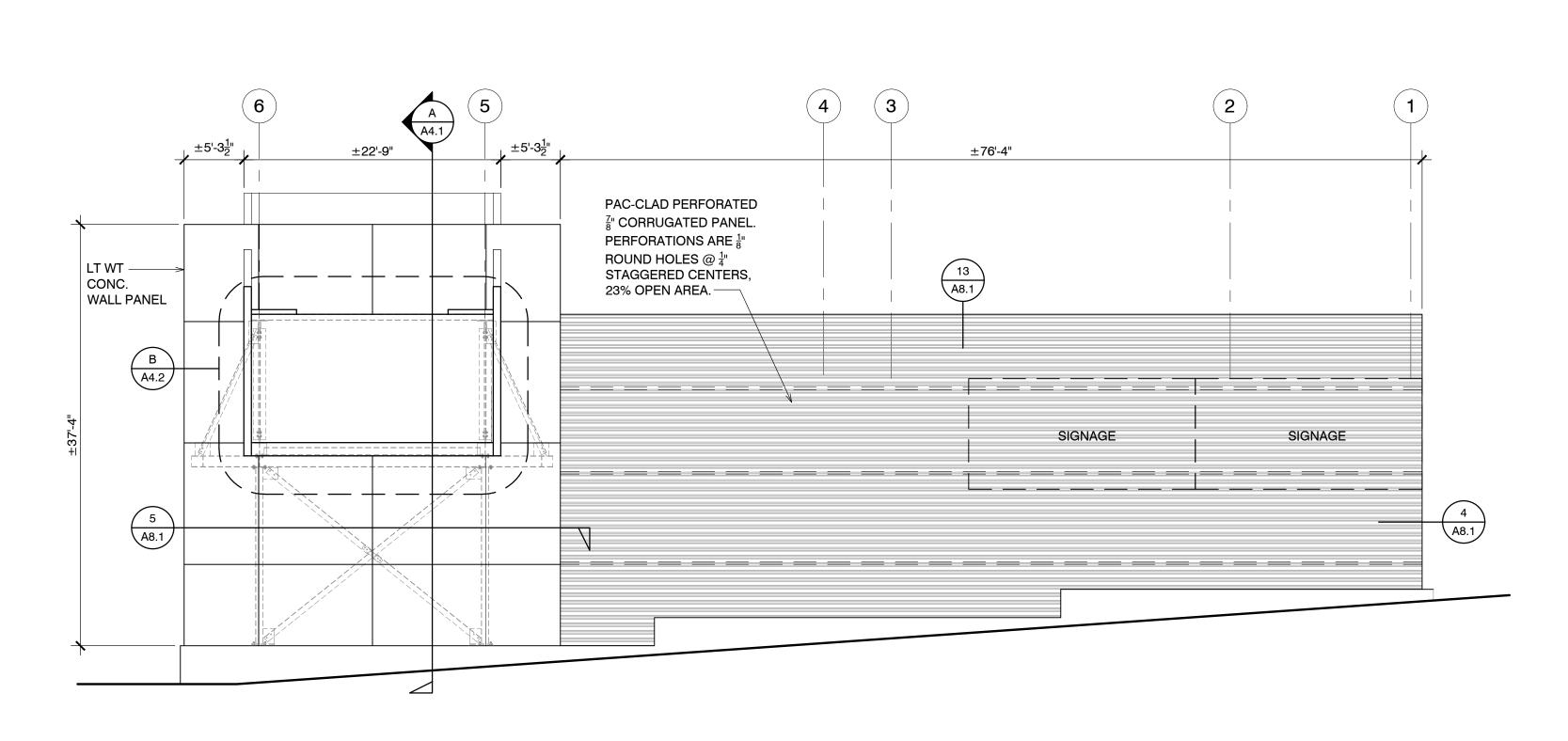






1 EAST ELEVATION SCALE: 1/8" = 1'-0"





3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000





The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18

Project Number: 1725

Revisions:

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•

EXTERIOR ELEVATIONS

Sheet Number:

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000



•*•

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ML, V

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^

Sheet Title:
EXTERIOR
ELEVATIONS

Sheet Number:

2 SOUTH ELEVATION

SCALE: 1/8" = 1'-0"

18'-0"

SIGNAGE

PANEL

4 A8.1 ±58'-4"

— PROVIDE CHAIN LINK — FENCE INSIDE FACE OF PANEL - FULL HEIGHT CURVED STANDING -

6 A8.1

4 A8.1 TV SCREEN

A8.1

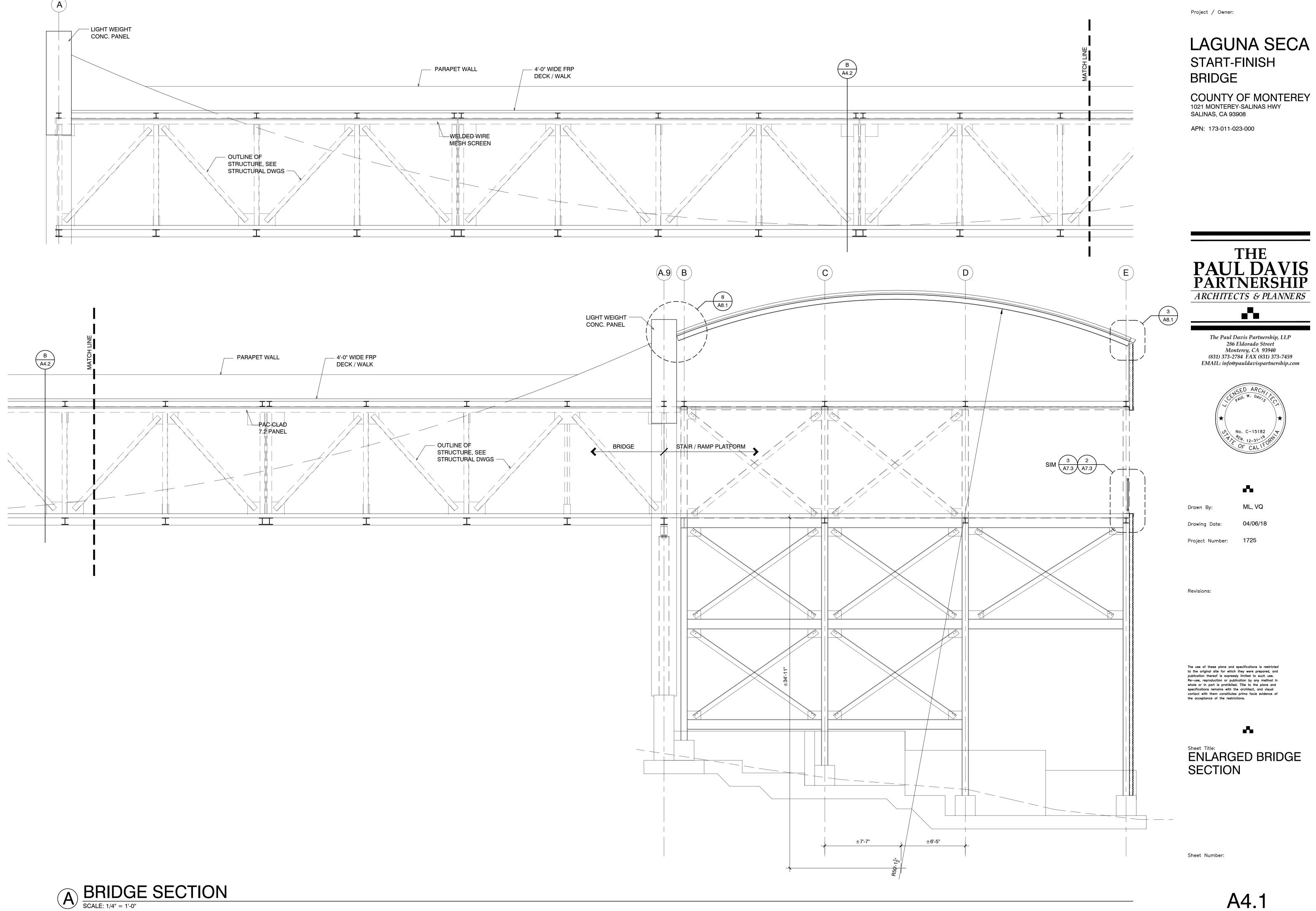
SEAM ROOF

DOWNSPOUT-

1 WEST ELEVATION

SCALE: 1/8" = 1'-0"

פרמ פונטפר אופפנט (אס.טכ) אין דין דין בטדס פיאדיטט אוען, אוערון ומון טופפט עי (טפטט א באיטט זווכוןפא)

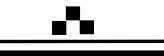


A4.1

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000





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Drawn By: ML, VQ
Drawing Date: 04/06/18

Project Number: 172

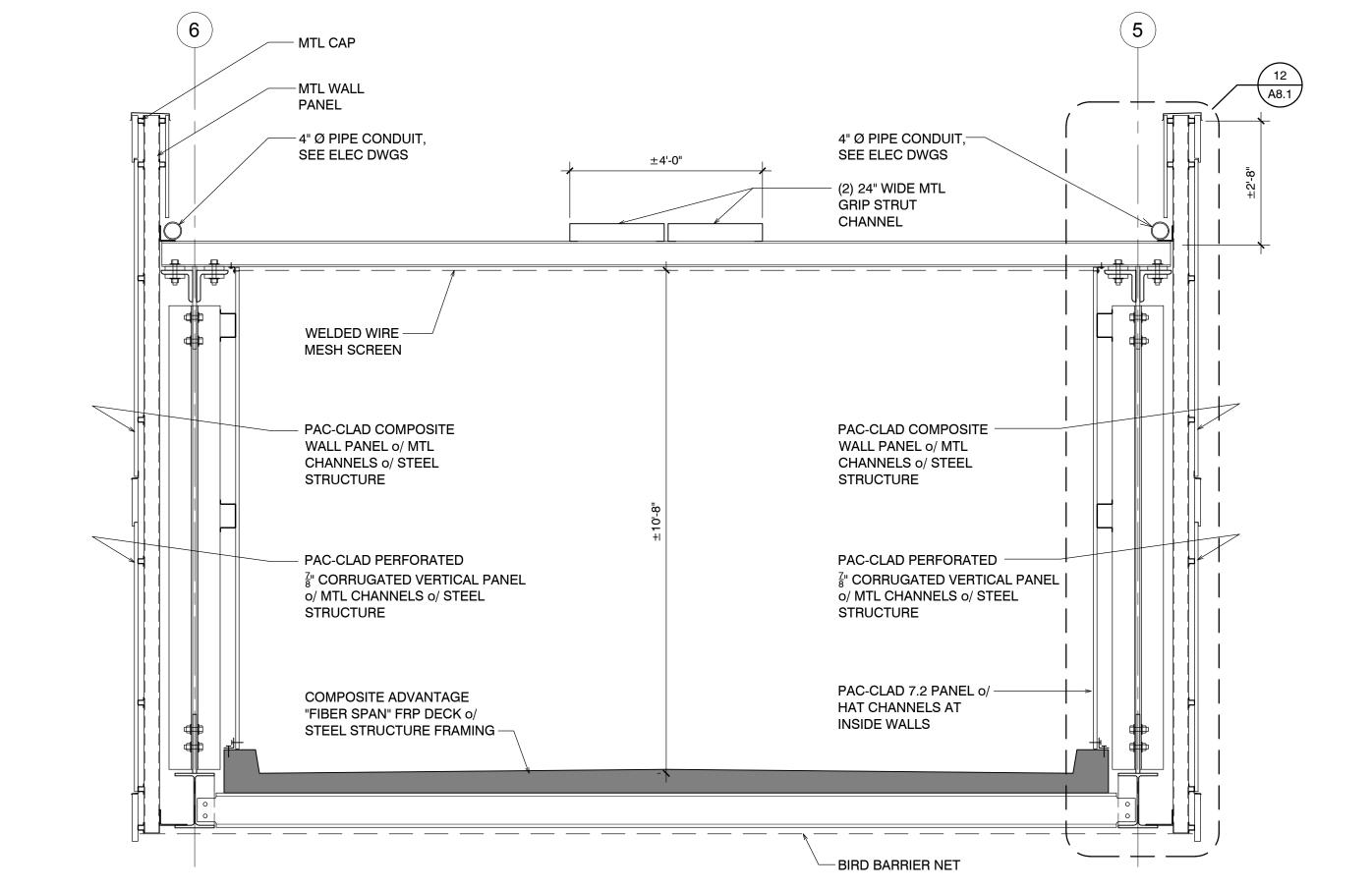
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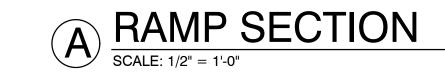
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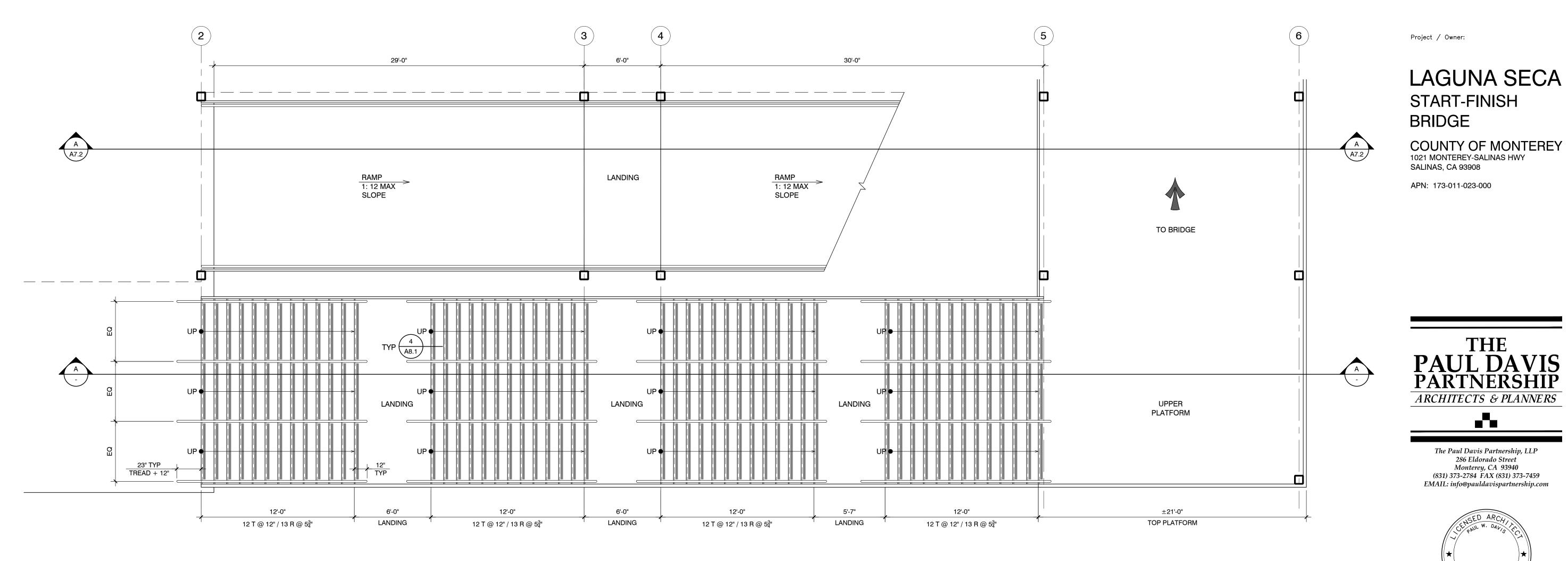
BRIDGE / RAMP SECTIONS

Sheet Number:

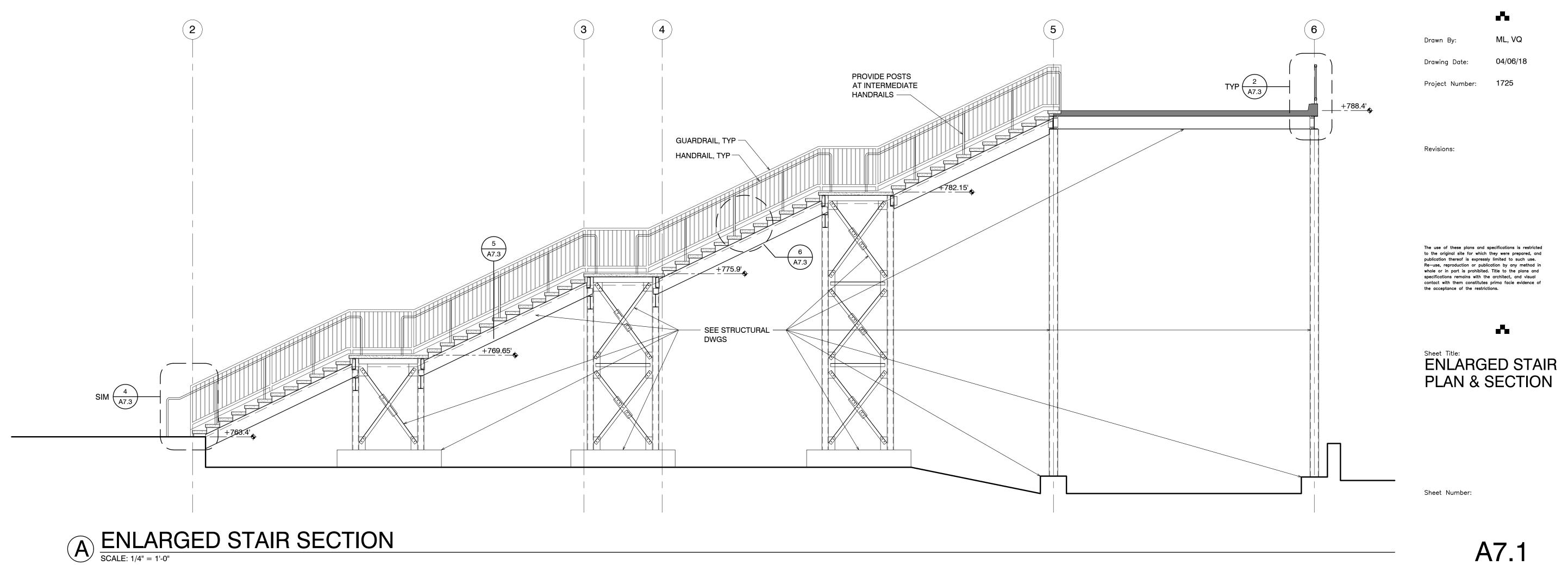








ENLARGED STAIR PLAN



Project / Owner:

BRIDGE

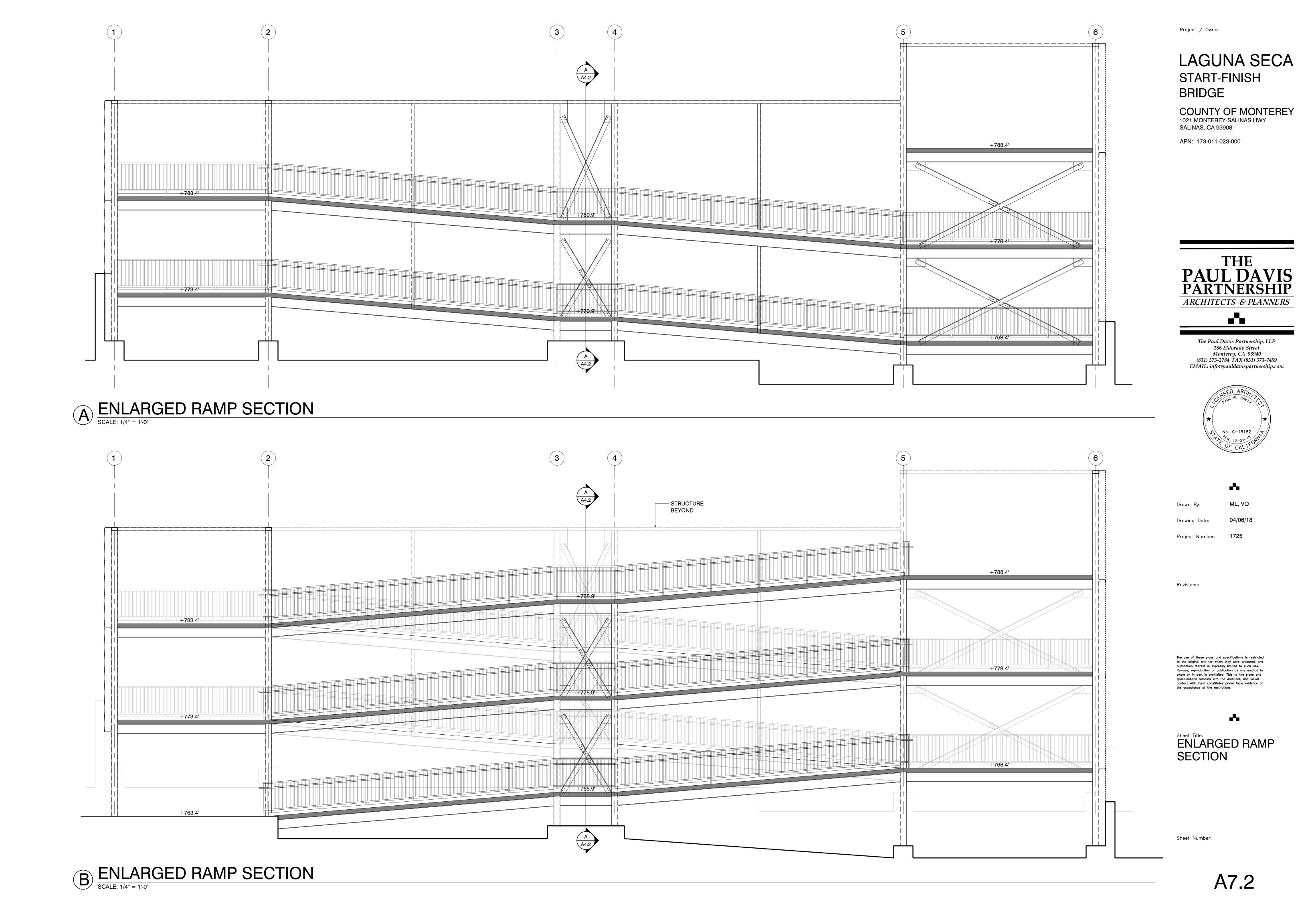
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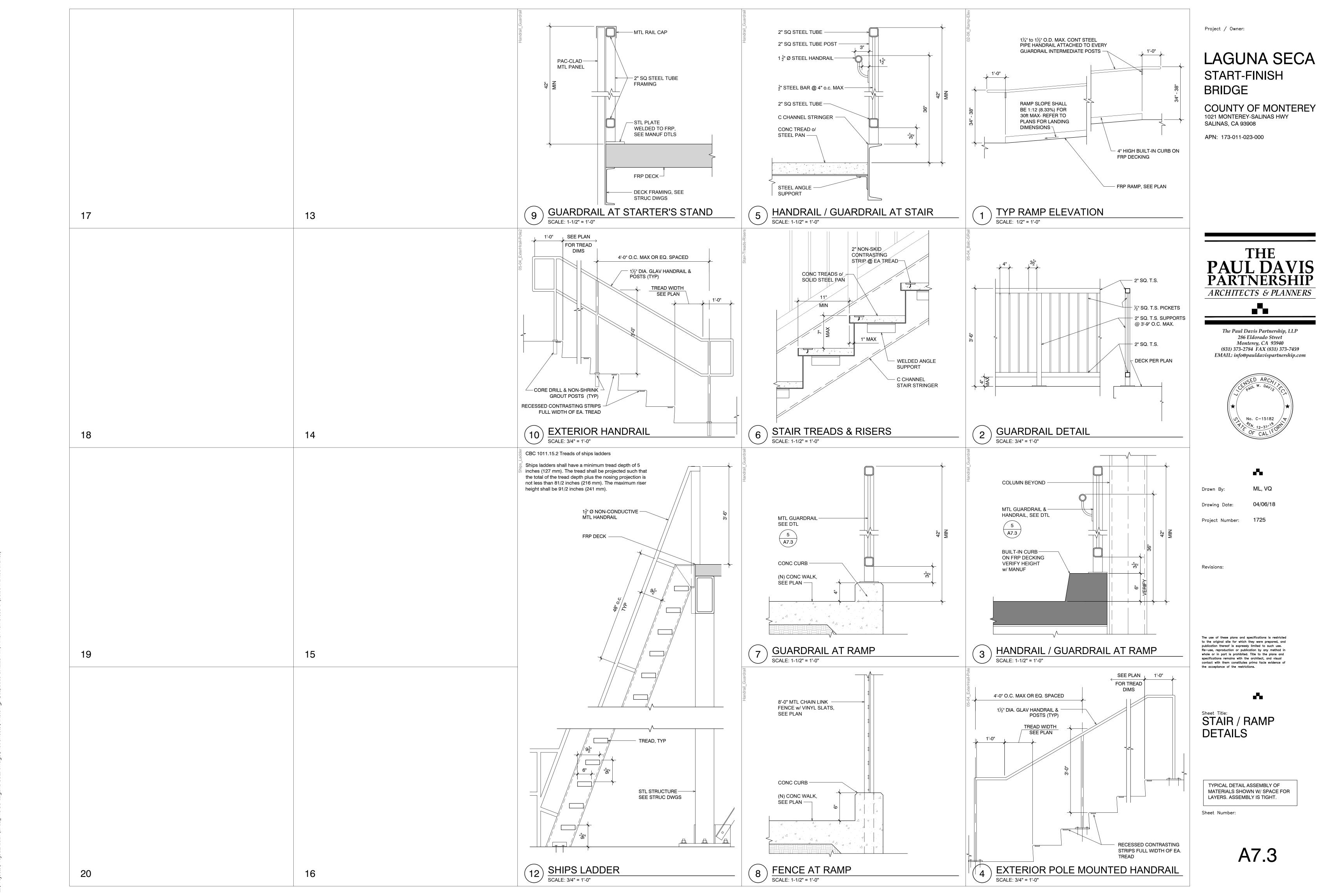
THE PAUL DAVIS PARTNERSHIP

ARCHITECTS & PLANNERS

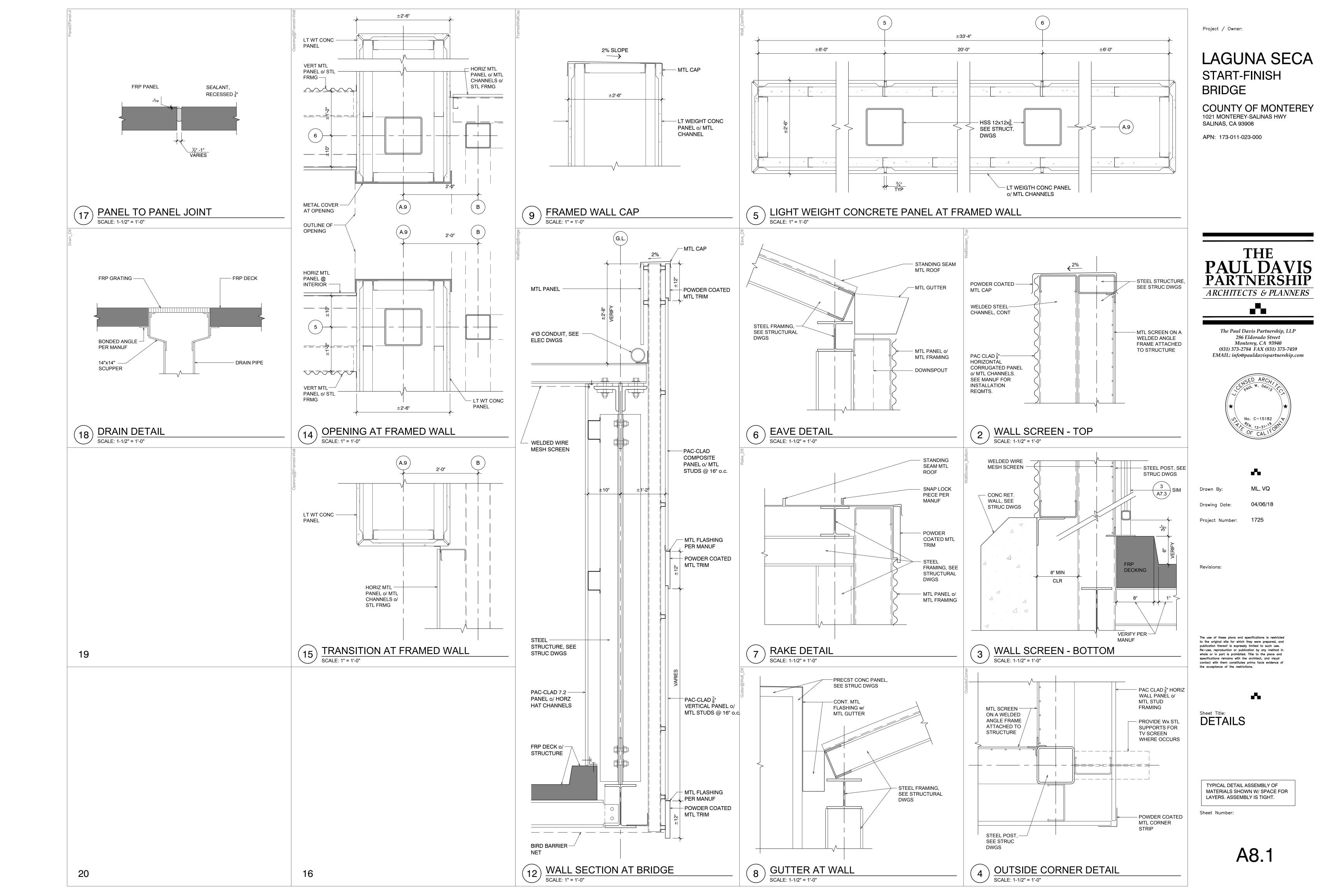
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START-FINISH





2:15 AM. ARCH full bleed D (36.00 x 24.00 Inches)



Z:\Projects\Projects 2017\1725_MOCO Laguna Seca Bridge\Plot Sheets\A8.1.dwg, 4/13/2018 8:42:22 AM, ARCH full bleed D (36.00 x 24.00 Incl

GENERAL

- CONSTRUCTION CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL(S) HARMLESS FROM ANY AND ALL LIABILITY EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL(S).
- 2. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH:
- A. ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, ORDINANCES, AND RULES, INCLUDING WITHOUT LIMITATION:
 - CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE CODE (CAL-OSHA) CALIFORNIA CODE 4216 - PROTECTION OF UNDERGROUND INFRASTRUCTURE
- B. THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CCR TITLE 24), WITH AMENDMENTS ADOPTED BY THE COUNTY OF MONTEREY
- C. CALIFORNIA EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
- D. THE PROJECT PLANS AND SPECIFICATIONS
- E. THE 2010 EDITION OF "STANDARD SPECIFICATIONS," STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS), AS AMENDED BY THE MOST CURRENT "REVISED STANDARD SPECIFICATIONS". THE "STANDARD SPECIFICATIONS" AND "REVISED STANDARD SPECIFICATIONS" CAN BE DOWNLOADED FOR FREE FROM http://www.dot.ca.gov/hq/esc/oe/construction_standards.html
- F. THE 2010 EDITION OF "STANDARD PLANS," STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS), AS AMENDED BY THE MOST CURRENT "REVISED STANDARD PLANS". THE "STANDARD PLANS" AND "REVISED STANDARD PLANS" CAN BE DOWNLOADED FOR FREE FROM
- http://www.dot.ca.gov/hq/esc/oe/construction_standards.html
- CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ALL APPLICABLE JURISDICTIONAL BODIES. FOR INFORMATION REGARDING THIS PROVISION, THE CONTRACTOR IS DIRECTED TO CONTACT STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, SALINAS, CALIFORNIA AT PHONE (831) 443-3050.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN THE CONSTRUCTION AREA.
- INTENTION OF GRADING: CONSTRUCTION A NEW START/FINISH PEDESTRIAN BRIDGE.
- PROPERTY IS NOT SUBJECT TO INUNDATION OR 100 YEAR FLOOD LEVELS.
- ESTIMATED START: TBD , ESTIMATED COMPLETION: TBD.
- . NO TREES ARE PROPOSED FOR REMOVAL
- 9. IF, DURING THE COURSE OF CONSTRUCTION, CULTURAL, ARCHAEOLOGICAL, HISTORICAL OR PALEONTOLOGICAL RESOURCES ARE UNCOVERED AT THE SITE (SURFACE OR SUBSURFACE RESOURCES) WORK SHALL BE HALTED IMMEDIATELY WITHIN 50 METERS (165 FEET) OF THE FIND UNTIL A QUALIFIED PROFESSIONAL ARCHEOLOGIST CAN EVALUATE IT. MONTEREY COUNTY RMA — PLANNING AND A QUALIFIED ARCHAEOLOGIST (I.E. AN ARCHAEOLOGIST REGISTERED WITH THE REGISTER OF PROFESSIONAL ARCHAEOLOGISTS) SHALL BE IMMEDIATELY CONTACTED BY THE RESPONSIBLE INDIVIDUAL PRESENT ON-SITE. WHEN CONTACTED, THE PROJECT PLANNER AND THE ARCHAEOLOGIST SHALL IMMEDIATELY VISIT THE SITE TO DETERMINE THE EXTENT OF THE RESOURCES AND TO DEVELOP PROPER MITIGATION MEASURES REQUIRED FOR THE DISCOVERY.

EARTHWORK AND AREA OF DISTURBANCE SUMMARY

- C = 600 CY
- F = 800 CY
- IMPORT = 200 CY
- ESTIMATED AREA OF DISTURBANCE = 0.5 AC
- THE QUANTITIES PRESENTED ABOVE ARE ESTIMATES ONLY, BASED ON THE DIFFERENCE BETWEEN EXISTING GRADE AND SUBGRADE ELEVATIONS AND FINISHED GRADE AND SUBGRADE ELEVATIONS, AS SHOWN ON THE PLANS, AND ARE NOT ADJUSTED FOR CHANGES IN VOLUME DUE TO CHANGES IN SOIL DENSITY.
- OVER-EXCAVATION IS NOT INCLUDED IN THE ABOVE ESTIMATE. CLEARING AND STRIPPING AND REMOVAL OF AC AND PCC PAVEMENTS ARE NOT INCLUDED IN THE ABOVE ESTIMATES. SITE SPOILS SUCH AS FROM UTILITY TRENCHING, FOUNDATIONS, ETC. ARE NOT INCLUDED IN ABOVE ESTIMATES.
- THESE QUANTITIES SHALL BE USED FOR BONDING AND PERMIT PURPOSES ONLY. CONTRACTOR SHALL MAKE HIS/HER OWN SITE VISIT AND QUANTITY TAKE-OFFS AND SHALL BID ACCORDINGLY.
- EARTHWORK VALUES SHOULD BE REEVALUATED DURING THE EARLY STAGES OF SITE GRADING. CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING FINAL EARTHWORK QUANTITIES TO HIS/HER SATISFACTION PRIOR TO START OF GRADING OPERATIONS.

SURVEY AND EXISTING CONDITIONS

- TOPOGRAPHY SHOWN IS A COMBINATION OF A GROUND TOPOGRAPHIC SURVEY PERFORMED BY WHITSON ENGINEERS ON JUNE 2, 2015 AND AERIAL TOPOGRAPHY DATA. WHITSON ENGINEERS MAKES NO CLAIM AS TO THE ACCURACY OF THE AERIAL DATA.
- BENCHMARK: FOUND MAG IN TOP OF AC DIKE
- ELEVATION = 810.18 (ASSUMED DATUM)
- 3. ALL "MATCH" OR "JOIN" CALLOUTS ON THE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER IN THE CASE OF ANY FIELD DISCREPANCY.
- 4. THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE, AND ACCURATE RECORD OF ALL DEVIATIONS FROM THE WORK PROPOSED IN THESE PLANS AND SPECIFICATIONS, AND A RECORD DRAWING SET SHALL BE PREPARED AND PROVIDED TO THE ENGINEER AT THE COMPLETION OF WORK. CHANGES SHALL NOT BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER.
- THE EXISTENCE, LOCATION AND ELEVATION OF ANY UNDERGROUND FACILITIES ARE SHOWN ON THESE PLANS IN A GENERAL WAY ONLY. NOT ALL UTILITIES MAY BE SHOWN. IT IS MANDATORY THAT THE CONTRACTOR EXPOSE AND VERIFY THE TOP AND BOTTOM OF ALL UTILITIES PRIOR TO ANY WORK ON SYSTEMS WHICH MAY BE AFFECTED BY THE EXISTING UTILITY'S LOCATION. IT IS THE RESPONSIBILITY AND DUTY OF THE CONTRACTOR TO MAKE THE FINAL DETERMINATION AS TO THE EXISTENCE, LOCATION AND ELEVATION OF ALL UTILITIES AND TO BRING ANY DISCREPANCY TO THE ATTENTION OF THE ARCHITECT.
- BOUNDARY INFORMATION SHOWN IS FROM RECORD DATA. A BOUNDARY SURVEY WAS NOT PERFORMED AS A PART OF THIS WORK. THERE MAY BE EASEMENTS OR OTHER RIGHTS. RECORDED OR UNRECORDED, AFFECTING THE SUBJECT PROPERTY WHICH ARE NOT SHOWN

GRADING AND DRAINAGE

- SITE GRADING AND EARTHWORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROJECT GEOTECHNICAL REPORT ENTITLED:
 - GEOTECHNICAL REPOTR FOR THE PROPOSED NEW START-FINISH BRIDGE MAZDA RACEWAY LAGUNA SECA HIGHWAY 68 MONTEREY, CALIFORNIA BY GRICE ENGINEERING, INC., DATED JUNE 2015, PROJECT NO. 6453-15.05
- 2. ONSITE GRADING AND EARTHWORK. SITE PREPARATION. EXCAVATION. TRENCHING AND COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER DESIGNATED BY THE OWNER. ALL GRADING AND EARTHWORK SHALL BE DONE TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- 3. SPECIAL INSPECTIONS BY A SPECIAL INSPECTOR, ARE REQUIRED DURING FILL PLACEMENT AND THAT PROPER MATERIALS AND PROCEDURES ARE USED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT.
- SHOULD THE RESULTS OF ANY COMPACTION TEST FAIL TO MEET THE MINIMUM REQUIRED DENSITY AS SPECIFIED ON THESE PLANS OR IN THE GEOTECHNICAL REPORT, THE DEFICIENCY SHALL BE CORRECTED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER AT THE CONTRACTOR'S EXPENSE. THE EXPENSE OF RETESTING SUCH AREAS SHALL ALSO BE BORNE BY THE CONTRACTOR, AT NO COST TO THE OWNER.
- 5. NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST FOUR (4) WORKING DAYS PRIOR TO ANY GRADING OR FOUNDATION EXCAVATION.
- 6. ALL SOILS UTILIZED FOR FILL PURPOSES SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE COMMENCEMENT OF GRADING OPERATIONS. IMPORTED SOILS SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE BEING BROUGHT TO THE SITE.
- EXCAVATION FOR ANY PURPOSE SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST SETTLEMENT OR LATERAL TRANSLATION. THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, COBBLES AND BOULDERS OR WITH A CONTROLLED LOW-STRENGTH MATERIAL (CLSM). THE BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE THE FOUNDATION OR THE WATERPROOFING OR DAMPPROOFING MATERIAL EXCEPTION: CLSM NEED NOT BE COMPACTED (REF. 2016 CBC 1804.1-1804.2)
- IMPERVIOUS SURFACES ADJACENT TO STRUCTURES SHALL SLOPE A MINIMUM OF 2% AWAY FROM THE STRUCTURE FOR A MINIMUM DISTANCE OF 10 FEET, UNLESS OTHERWISE SHOWN. LANDSCAPE AREAS ADJACENT TO STRUCTURES SHALL SLOPE A MINIMUM OF 5% AWAY FROM THE STRUCTURE FOR A MINIMUM DISTANCE OF 10 FEET, UNLESS OTHERWISE SHOWN. (REF. 2016 CBC 1804.3)
- 9. RELATIVE COMPACTION SHALL BE EXPRESSED AS A PERCENTAGE OF THE MAXIMUM DRY DENSITY OF THE MATERIAL AS DETERMINED BY ASTM TEST D-1557. IN-PLACE DENSITY TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM TESTS D-1556 AND D-6938.
- 10. GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING STRUCTURES. OBSTRUCTIONS, TREES SHOWN TO BE REMOVED, VEGETATION, ORGANIC-LADEN TOPSOIL. LARGE ROOTS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. BURIED SUBSURFACE OBJECTS ENCOUNTERED, OR VOIDS CREATED DURING SITE PREPARATION SHALL BE CALLED TO THE ATTENTION OF THE GEOTECHNICAL ENGINEER.
- 11. SURPLUS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE IN A LEGAL MANNER.
- 12. SUBGRADE PREPARATION AND ENGINEERED FILL THAT SUPPORTS FOOTINGS, SLABS, PAVEMENTS, AND FLATWORK SHALL EXTEND AT LEAST 5 FEET BEYOND THE LIMITS OF PROPOSED IMPROVEMENTS.
- 13. FOOTINGS LOCATED ADJACENT TO OTHER FOOTINGS OR RETAINING WALLS SHALL HAVE THEIR BEARING SURFACES FOUNDED BELOW A 2:1 (H:V) LINE PROJECTED UPWARD FROM THE BOTTOM EDGE OF THE ADJACENT FOOTING, WALL, OR UTILITY TRENCH.
- 14. FOLLOWING CLEARING AND STRIPPING, EXPOSED SUBGRADES IN AREAS TO RECEIVE FNGINFERED FILL STRUCTURES, PAVEMENTS, CONCRETE SLABS, OR OTHER IMPROVEMENTS SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES. MOISTURE CONDITIONED. AND UNIFORMLY COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.
- 15. THE GEOTECHNICAL ENGINEER SHALL INSPECT ALL SURFACES TO RECEIVE FILL PRIOR TO THE PLACEMENT OF ANY FILL.
- 16. ENGINEERED FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.
- 17. CUT/FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2H:1V) UNLESS OTHERWISE APPROVED AT THE TIME OF GRADING BY THE GEOTECHNICAL ENGINEER.
- 18. WHERE EXISTING GRADE IS AT A SLOPE OF 5H:1V (20%) OR STEEPER AND THE DEPTH OF THE FILL EXCEEDS 5 FEET, BENCHING SHALL BE PROVIDED. A TOE KEY SHALL BE CUT A MINIMUM DEPTH OF 2 FEET INTO UNDISTURBED SOILS TO THE INSIDE OF THE FILL'S TOE. THIS KEY SHALL BE A MINIMUM OF 10 FEET WIDE AND SLOPE AT NO LESS THAN 5% INTO THE SLOPE. AS THE FILL ADVANCES UP-SLOPE, BENCHES AT LEAST 3 FEET WIDE, OR TWICE THE WIDTH OF THE COMPACTION EQUIPMENT, WHICHEVER IS WIDER, SHALL BE SCARIFIED INTO THE FILL/UNDISTURBED SOIL INTERFACE.
- 19. ENGINEERED FILL IN BUILDING AREAS, STRUCTURAL BACKFILL, AND THE UPPER 6" BELOW FLATWORK AND PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 95% OF ITS MAXIMUM DRY DENSITY.
- 20. ALL RE-COMPACTED AND ENGINEERED FILL SOILS SHALL BE COMPACTED WITHIN 2 PERCENT OF THE LABORATORY OPTIMUM MOISTURE CONTENT FOR THE SOIL.
- 21. ON—SITE NON—ORGANIC, NON—CLAY SOIL IS GENERALLY ACCEPTABLE FOR USE AS ENGINEERED FILL. NATIVE SOIL USED AS ENGINEERED FILL SHALL MEET THE FOLLOWING
- SOIL SHALL BE FREE OF ORGANICS, DEBRIS, AND OTHER DELETRIOUS MATERIALS.
- ROCK OVER 6 INCHES IN ITS MAXIMUM DIMENSION MAY NOT BE USED IN AN ENGINEERED
- 21. IMPORTED SOIL USED AS GENERAL ENGINEERED FILL SHALL MEET THE FOLLOWING **REQUIREMENTS:**

SOIL SHALL BE FREE OF ORGANIC AND DELETERIOUS MATERIALS, OR RECYCLED

- MATERIALS SUCH AS ASPHALTIC CONCRETE, CONCRETE, BRICK, ETC. SOIL SHALL NOT CONTAIN ANY ROCKS OR CLODS OVER 4 INCHES IN MAXIMUM DIMENSION, AND SHALL NOT CONTAIN OVER 15 PERCENT BY WEIGHT ROCKS LARGER
- SOIL SHALL BE GRANULAR, HAVING A PLASTICITY INDEX OF LESS THAN 15, AND NOT.
- SOIL SHALL HAVE SUFFICIENT BINDER TO ALLOW EXCAVATIONS TO STAND WITHOUT CAVING

MORE THAN 20 PERCENT BY WEIGHT PASSING THE #200 SEIVE

- THE PORTION FINER THAN THE NO. 200 SIEVE SHALL NOT CONTAIN ANY EXPANSIVE
- 22. IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS WHICH ARE NOT COVERED BY THE SOIL INVESTIGATION OR SPECIFICATIONS, THE SOILS ENGINEER SHALL BE IMMEDIATELY NOTIFIED SUCH THAT ADDITIONAL RECOMMENDATIONS MAY BE MADE.
- 23. A LETTER SHALL BE SUBMITTED FROM A LICENSED SURVEYOR CERTIFYING THAT PAD ELEVATIONS ARE WITHIN 0.1 FEET OF ELEVATIONS STATED ON APPROVED PLANS, PRIOR TO DIGGING ANY FOOTINGS OR SCHEDULING ANY INSPECTIONS.
- 24. A "FINAL SOILS LETTER" FROM THE GEOTECHNICAL ENGINEER STATING THAT ALL EARTHWORK COMPLETED WAS IN ACCORDANCE WITH THE RECOMMENDATIONS STATED IN THE GEOTECHNICAL REPORT SHALL BE SUBMITTED PRIOR TO FINAL INSPECTION.
- 25. EXPORT SOIL SHALL BE TRANSPORTED TO A LEGAL DUMP OR TO A PERMITTED SITE APPROVED BY THE COUNTY. CONTRACTOR SHALL NOTIFY GRADING OFFICIAL OF PROPOSED HAUL ROUTE.

LEGEND ABBREVIATIONS

±	PLUS OR MINUS;		-100	- GROUND CONTOUR
@	APPROX AT			- SUBJECT PROPERTY LINE
AB AC AD	AGGREGATE BASE ASPHALT CONCRETE AREA DRAIN			- ADJACENT PROPERTY LINE
APPROX	APPROXIMATE			- EASEMENT LINE
ASB BC BVC				- CENTER LINE
BVCE	BVC ELEVATION		<u></u> 100	CONTROL POINT
BVCS BS BW	BVC STATION BOTTOM OF STAIR BACK OF WALK		⊕ BM	BENCHMARK
C&G CATV	CURB AND GUTTER CABLE TV		● F3P LS0000	FOUND 3/4" IRON PIPE, TAGGED AS NOTED
CGSW E CL	CURB, GUTTER AND SIDEWALK CENTERLINE CLASS		© CUM BM#301	FOUND CONCRETE UNDERG MONUMENT, MARKED AS N
CLR CMP	CLASS CLEAR CORRUGATED METAL		♦ BH−1	BORE HOLE / BORING LOC
	PIPE	+	928.30	SPOT GRADE
CO CONC CONST	CLEANOUT CONCRETE CONSTRUCT		• 12" OAK	TREE
CONT DEMO	CONTINUOUS DEMOLISH AND DISPOSE		M	STUMP OR SNAG (DEAD)
	OF			TREE DRID LINE

DECOMPOSED GRANITE <u>____100.00</u> \longrightarrow · · · \longrightarrow ·

EXPANSION JOINT ELECTRIC **ELEVATION** EQUAL EDGE OF TRAVELED END VERTICAL CURVE

EVCE EVC ELEVATION EVC STATION EVCS EACH WAY EXISTING FACE OF CURB FINISHED FLOOR FINISHED GRADE FLOWLINE FIRE RISER FINISHED SURFACE

DRAIN INLET

DOWNSPOUT

END CURVE

EXISTING GRADE

DIAMETER

EXISTING

DIA

ELEV

EQ.

ETW

GRADE BREAK GBE GB ELEVATION GBS GB STATION GM GAS METER **GRT** GRATE GAS VALVE/VAULT HIGH POINT HORIZ HORIZONTAL INV INVERT

JOINT UTILITY POLE LANDING LINEAR FEET LOWER FINISH FLOOR LOW POINT MATCH MATCH EXISTING GRADE MAXIMUM MAX

МН MANHOLE MINIMUM NOT IN CONTRACT (BY N.I.C. OTHERS) ON CENTER ORIGINAL GROUND P.A. PLANTER AREA

PB PULL BOX POINT OF CURVATURE P.O.C. POINT OF CONNECTION POWER POLE POINT OF REVERSE CURVATURE POLYVINYL CHLORIDE POINT OF VERTICAL INTERSECTION PRESSURE TREATED DOUG-FIR

RADIUS RELATIVE COMPACTION R.C. RCP REINFORCED CONC PIPE RT RIGHT RWRECYCLED WATER RWL RAIN WATER LEADER SAWCUT STORM DRAIN STREET LIGHT SANITARY SEWER STATION SIDEWALK

STA SW TBM TEMPORARY BENCH MARK TOP OF CURB TFC TOP OF FLUSH CURB TOP OF FOOTING TOP OF GRATE TOP OF PIPE TOP OF STAIR TRAFFIC SIGNAL TOP OF WALL TYPICAL UFF UPPER FINISH FLOOR

UNDERGROUND UNLESS OTHERWISE U.O.N. NOTED UTILITY POLE UNKNOWN UNKN VAR **VARIES** VERT. VERTICAL WATER WATER METER W\/ WATER VALVE

TRANSFORMER

XFMR

LAGUNA SECA

GROUND NOTED DCATION TREE DRIP LINE

DRAINAGE PATH CREEK/RIVER FLOW WATER SURFACE ELEVATION FLOW LINE

AREA OF 30% OR GREATER SLOPE OVERHEAD UTILITY LINE(S)

UNDERGROUND ELECTRIC LINE UTILITY POLE SHOWING ARMS AND GUY WIRE ☆ * * * * * LT LIGHT, ELECTROLIER lol a •−8 ts TRAFFIC SIGNAL

— G — GAS LINE GAS VALVE, IRRIGATION CONTROL VALVE ------ SD ----- STORM DRAIN LINE

> (()) RIM: 00.00 STORM DRAIN MANHOLE / INV: 00.00 STORM DRAIN INLET DOWSPOUT

> RIM: 00.00 SANITARY SEWER MANHOLE / INV: 00.00 CLEANOUT

_____________________________UNDERGROUND TELEPHONE LINE — WATER LINE WATER VALVE ⊗ WV

> POST INDICATOR VALVE ♡ FDC FIRE DEPARTMENT CONNECTION ĠΦ Υ FH FIRE HYDRANT

→ HB ■ BFP BACKFLOW PREVENTION DEVICE

UTILITY VAULT

ITEM

FOUNDATION EXCAVATIONS

MATERIAL/COMPACTION

FOUNDATION

CLASSIFICATION/TESTING FILL MATERIAL YES

INSPECT SLAB-ON-GRADE INSTALLATION YES

INSPECT AND TEST RETAINING WALL

SITE ADDRESS & APN

1021 MONTEREY SALINAS HWY SALINAS, CA 93908

APN: 173-011-023

CIVIL ENGINEER/SURVEYOR

STRUCTURAL ENGINEER PACIFIC ENGINEERING GROUP, INC.

30 RYAN RANCH, STE 200

MONTEREY, CA 93940

TEL: (831) 333-0644

6 HARRIS COURT MONTEREY, CA 93940

TEL. (831) 649-5225

WHITSON ENGINEERS

ARCHITECT

THE PAUL DAVIS PARTNERSHIP 286 EL DORADO STREEY MONTEREY, CA 93940

TEL. (831) 373-2784

CIVIL SHEET INDEX

CIVIL COVER SHEET CIVIL SPECIFICATIONS

CIVIL DETAILS

KEY MAP CIVIL SITE GRADING AND DRAINAGE PLAN

CIVIL GRADING AND DRAINAGE PLAN - WEST CIVIL GRADING AND DRAINAGE PLAN - EAST

C1.4 CIVIL SECTIONS CIVIL SECTIONS

C1.6 CIVIL SECTIONS CIVIL SECTIONS CIVIL SITE UTILITY PLAN

SPECIAL TESTS AND INSPECTION SCHEDULE

THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2016 CBC 1704.7. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR

GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND ENGINEER

VERIFICATION - MATERIALS BELOW FOOTING/ACHEIVE BEARING CAPACITY

REQ. REMARKS

SUBGRADE /FINISH GRADE PREPARATION YES BY SOIL ENGINEER / PERIODIC

BY SOIL ENGINEER / PERIODIC

BY SOIL ENGINEER / PERIODIC

BY SOIL ENGINEER / CONTINUOUS

PRIOR TO CONCRETE PLACEMENT

BY SOIL ENGINEER / PERIODIC

TO BE DETERMINED / PERIODIC

SOILS ENGINEER TO PROVIDE OBSERVATION DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION

TEMPORARY WATER POLLUTION CONTROL PLAN (EROSION AND SEDIMENT CONTROL PLAN)

TEMPORARY WATER POLLUTION CONTROL NOTES AND DETAILS

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INSPECTOR NAME | START DATE | END DATE

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DEMOLITION

REMOVAL OF PAVEMENTS AND STRUCTURES

ALL EXISTING PAVEMENT, STRUCTURES AND FOOTINGS WITHIN THE LIMITS OF WORK NOT SHOWN TO BE RETAINED SHALL BE REMOVED AND RESULTING VOIDS SHALL BE BACKFILLED WITH ENGINEERED FILL OR CONTROLLED DENSITY FILL.

SAWCUTTING

SAWCUTTING SHALL BE DONE SO AS TO PROVIDE A STRAIGHT, NEAT EDGE. WHERE CONSTRUCTION OPERATIONS CAUSE DAMAGE BEYOND THE LIMITS OF THE SAWCUT LINE, THE DAMAGED AREA SHALL ALSO BE REMOVED AND REPLACED TO A SAWCUT EDGE.

SAWCUT SLURRY SHALL BE VACUUMED AND NOT BE ALLOWED TO RUN INTO CATCH BASINS.

ASPHALT CONCRETE PAVEMENT SHALL BE SAWCUT AT THE LOCATIONS INDICATED BY THE ENGINEER AND AS SHOWN ON THE PLANS. SAWCUT LINES SHALL BE PARALLEL OR PERPENDICULAR TO THE ADJACENT CURB LINE WHERE POSSIBLE. SAWCUT SHALL BE TO A MINIMUM DEPTH OF 2 INCHES.

CURB AND GUTTER SHALL BE SAWCUT AT THE LOCATIONS INDICATED BY THE ENGINEER AND AS SHOWN ON THE PLANS. SAWCUT SHALL BE TO A MINIMUM DEPTH OF 6 INCHES.

SIDEWALK SHALL BE SAWCUT AT THE LOCATIONS INDICATED BY THE ENGINEER AND AS SHOWN ON THE PLANS. SAWCUT LINES SHALL COINCIDE WITH EXISTING SCORE MARKS OR JOINTS. SAWCUT SHALL BE TO A MINIMUM DEPTH OF 6 INCHES, OR TO FULL DEPTH, WHICHEVER IS LESS.

UTILITY REMOVAL AND ABANDONMENT

PIPES 4" AND LARGER, VAULTS, RISERS, BOXES, INLETS, ETC., WHICH ARE NOT TO BE RETAINED IN SERVICE SHALL BE COMPLETELY REMOVED FROM WITHIN THE WORK AREA. PIPES SMALLER THAN 4" MAY ABANDONED IN PLACE BY CAPPING BOTH ENDS OF THE PIPE, UNLESS OTHERWISE NOTED

AGGREGATE BASE

AGGREGATE BASE SHALL BE CLASS 2 CONFORMING TO THE PROVISIONS IN SECTION 26. "AGGREGATE BASES," OF THE STANDARD SPECIFICATIONS. AGGREGATE BASE SHALL BE COMPACTED TO AT LEAST 95% R.C.

ASPHALT CONCRETE

ASPHALT CONCRETE SHALL BE TYPE "A" CONFORMING TO THE PROVISIONS IN SECTION 39, "ASPHALT CONCRETE," OF THE STANDARD SPECIFICATIONS.

THE GRADE OF ASPHALT BINDER SHALL BE PG 64-10.

CURB, GUTTER AND SIDEWALK

CONCRETE CURB, GUTTER, SIDEWALK AND CURB RAMPS SHALL CONFORM TO THE PROVISIONS IN SECTION 73, "CONCRETE CURBS AND SIDEWALKS," AND SECTION 52, "REINFORCEMENT", OF THE STANDARD SPECIFICATIONS.

CONCRETE SHALL BE CLASS 3 IF NOT OTHERWISE NOTED, CONFORMING TO SECTION 90, "PORTLAND CEMENT CONCRETE," OF THE STANDARD SPECIFICATIONS.

EXPANSION JOINT DOWEL BARS

DOWEL BARS AT EXPANSION JOINTS SHALL BE GRADE 40 OR 60 PLAIN, ROUND, SMOOTH STEEL AS SHOWN ON THE PLANS AND THE PROVISIONS IN SECTION 52. DOWEL BARS SHALL BE PLACED AS SHOWN ON THE PLANS.

DOWEL BARS SHALL BE FREE FROM BURRS OR OTHER DEFORMATIONS DETRIMENTAL TO FREE MOVEMENT OF THE BARS IN THE CONCRETE. DOWEL BARS SHALL BE LUBRICATED WITH A BOND BREAKER OVER THE ENTIRE BAR, AND SHALL HAVE AN EXPANSION CAP PLACED OVER ONE END.

REINFORCEMENT

REINFORCEMENT SHALL CONFORM WITH THE PROVISIONS IN SECTION 52, "REINFORCEMENT", OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS, AND SHALL BE PLACED AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER

PAVEMENT DELINEATION

THE CONTRACTOR SHALL REPLACE IN-KIND ALL STRIPING, PAVEMENT MARKINGS AND RAISED MARKERS REMOVED AS PART OF THE CONSTRUCTION.

PAINTED TRAFFIC STRIPES AND MARKINGS SHALL CONFORM TO THE PROVISIONS IN SECTION 84-3, "PAINTED TRAFFIC STRIPES AND PAVEMENT MARKINGS," OF THE STANDARD SPECIFICATIONS. TWO COATS SHALL BE APPLIED.

SURFACES WHICH ARE TO RECEIVE TRAFFIC STRIPES AND MARKINGS SHALL BE DRY AND SHALL BE CLEANED OF ALL DIRT AND LOOSE MATERIAL.

WATER SYSTEM

ALL WATER SYSTEM WORK SHALL CONFORM TO CALIFORNIA PLUMBING CODE AND MONTEREY COUNTY HEALTH DEPARTMENT STANDARDS AND REQUIREMENTS.

WATER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C-605. MANUFACTURER RECOMMENDATIONS, AND THE DETAILS SHOWN ON THE PLANS.

WATER SYSTEM SHALL BE CLEANED, DISINFECTED AND TESTED IN ACCORDANCE WITH AWWA C-605 AND C-651.

UNDERGROUND FIRE SERVICE MAINS AND ALL COMPONENTS SHALL CONFORM TO NFPA 24 AND FIRE DEPARTMENT REQUIREMENTS.

ALL BURIED METAL VALVES AND FITTINGS SHALL BE COATED WITH A COAL TAR BASED MASTIC. PRODUCT: BITUMASTIC 50, OR EQUAL APPROVED BY THE ENGINEER.

ALL NUTS, BOLTS, AND RODS SHALL BE TYPE 316 STAINLESS STEEL CONFORMING TO ASTM F-593 "G" OR "H". NUTS SHALL BE COATED WITH TRIPAC 2000 BLUE. BREAK-AWAY BOLTS PROVIDED WITH HYDRANT AND WEDGE BOLTS PROVIDED WITH RESTRAINT ASSEMBLY NEED NOT BE STAINLESS STEEL IF NOT AVAILABLE.

PIPE COVER SHALL BE 36" MINIMUM.

FIRE SYSTEM PRODUCTS SHALL BE SUBMITTED TO AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO PURCHASING MATERIALS.

BURIED WATER PIPE AND FITTINGS

PVC PIPE: AWWA C-900, CLASS 235 (DR-18)

DUCTILE IRON PIPE: AWWA C-151, CLASS 250, CEMENT MORTAR LINED PER AWWA C-104 DUCTILE IRON FITTINGS: AWWA C-110 OR C-153, CLASS 250, WITH RUBBER GASKETED JOINT PER AWWA C-111. FITTING SHALL BE CEMENT MORTAR LINED PER AWWA C-104.

THRUST RESTRAINT

THE ENGINEER.

ALL BENDS, TEES, PLUGS, VALVES, ETC., SHALL BE RESTRAINED AGAINST MOVEMENT THROUGH THE USE OF CONCRETE THRUST BLOCKS OR MECHANICAL JOINT RESTRAINTS.

CONCRETE THRUST BLOCKS SHALL CONFORM TO THE DETAILS SHOWN ON THESE PLANS. MECHANICAL JOINT RESTRAINTS SHALL CONFORM TO ASTM F-1674 AND SHALL BE RATED FOR 250 PSI OPERATING PRESSURE. PRODUCT: EBAA IRON "MEGALUG", OR EQUAL APPROVED BY

MECHANICAL JOINT RESTRAINT LENGTH SHALL BE DESIGNED FOR:

- 1. LINE PRESSURE = 200 PSI MINIMUM
- 2. FACTOR OF SAFETY = 1.5 MINIMUM
- 3. ASSUMED SOIL TYPE = xx (PER GEOTECHNICAL REPORT)

WALKWAY SLOPE REQUIREMENTS

ACCESSIBLE PATHS OF TRAVEL - GENERAL:

THE CROSS-SLOPE WITHIN ACCESSIBLE PATHS OF TRAVEL SHALL NOT EXCEED 2%.

THE LONGITUDINAL SLOPE OF ACCESSIBLE PATHS OF TRAVEL. EXCEPTING RAMPS AND CURB RAMPS, SHALL NOT EXCEED 4.99%. THE LONGITUDINAL SLOPE OF RAMPS AND CURB RAMPS SHALL NOT EXCEED 8.33%.

WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2", AND SHALL BE A MINIMUM OF 48"

LANDINGS - GENERAL:

THE SLOPE MEASURED IN ANY DIRECTION WITHIN REQUIRED LANDING AREAS SHALL NOT EXCEED 2%. LANDING AREAS OCCUR AT DOORS AND GATES, AT CHANGES IN DIRECTION OF THE PATH OF TRAVEL OF 30 DEGREES OR MORE, AND AT CERTAIN INTERVALS WITHIN THE PATH OF

DOORS AND GATES: WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60" BY 60" AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK AND NOT LESS THAN 48" WIDE BY 44" DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK.

WALKS SHALL EXTEND A MINIMUM OF 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK.

THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION.

THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND A MINIMUM OF 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND A MINIMUM OF 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS.

THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE

STORM DRAINAGE

STORM DRAIN PIPE

4" AND 6" PIPE: RUBBER GASKETED PVC GRAVITY SEWER PIPE CONFORMING TO ASTM D-3034. SDR 35 OR SDR 26. ALTERNATE: RUBBER GASKETED PVC WATER PIPE CONFORMING TO AWWA C900, SDR 25. ALTERNATE, 4" AND 6" RAIN WATER LEADERS: SOLVENT WELD ABS SEWER PIPE CONFORMING TO ASTM D-2661, SCH 40.

8" AND LARGER PIPE: HDPE TYPE "S" (SMOOTH INTERIOR, CORRUGATED EXTERIOR) PIPE WITH WATERTIGHT JOINTS CONFORMING TO AASHTO DESIGNATION M 294. ALTERNATE: RUBBER GASKETED PVC GRAVITY SEWER PIPE CONFORMING TO ASTM D-3034, SDR 35 OR SDR 26. ALTERNATE: RUBBER GASKETED PVC WATER PIPE CONFORMING TO AWWA C900, SDR 25

PERFORATED PIPE

SOLVENT WELD PERFORATED PVC PIPE CONFORMING TO ONE OF THE FOLLOWING: ASTM D-1785. SCH 40; ASTM D-3034, SDR 35 OR SDR 25; OR ASTM D-2729; OR SOLVENT WELD PERFORATED ABS PIPE CONFORMING TO ASTM D-2661, SCH 40.

PERFORATION PATTERN SHALL CONFORM TO AASHTO M-27 OR ASTM D-2729.

DRAINAGE INLETS

CAST IN PLACE CONCRETE AND PRECAST CONCRETE DRAIN INLETS SHALL CONFORM TO SECTION 51, "CONCRETE STRUCTURES", SECTION 52 "REINFORCEMENT", SECTION 70 "MISCELLANEOUS FACILITIES", SECTION 75 "MISCELLANEOUS METAL" AND THESE SPECIAL PROVISIONS.

PRECAST MEMBERS SHALL CONFORM TO SECTION 70-1.02H. "PRECAST CONCRETE STRUCTURES". OF THE STANDARD SPECIFICATIONS, AND NEW STANDARD PLAN D73A.

PRECAST UNIT JOINTS SHALL BE SEALED WITH PREFORMED BUTYL RUBBER JOINT SEALANT CONFORMING TO ASTM C-990.

PIPE CONNECTIONS TO CONCRETE STRUCTURES SHALL BE FITTED WITH AN ELASTOMERIC GASKET OR WATERSTOP CONFORMING TO ASTM C-923 OR ASTM C-1478 (FOR PVC PIPE), OR ASTM F-2510 (FOR HDPE TYPE 'S' PIPE).

THE BASE OF CONCRETE INLETS, WHETHER PRECAST OR CAST IN PLACE, SHALL BE FORMED IN THE FIELD TO PROVIDE A SMOOTH FLOW LINE TO AT LEAST THE PIPE SPRING LINE. THE INVERT PAVING THICKNESS SHALL BE AT LEAST 4" BELOW THE BOTTOM OF PIPE.

ALL INLETS SHALL BE H-20 LOAD RATED IF LOCATED IN VEHICULAR AREAS. AND PEDESTRIAN LOAD RATED OTHERWISE.

ADA-COMPLIANT GRATES SHALL HAVE LESS THAN 1/2" CLEAR BETWEEN BARS, AND THE BARS SHALL BE ALIGNED PERPENDICULAR TO THE PATH OF TRAVEL. ALL GRATES WITHIN PEDESTRIAN AREAS SHALL BE ADA-COMPLIANT, UON.

INLET SCHEDULE

18" SQUARE PRECAST CONCRETE DRAIN INLET WITH H-20 LOAD RATED GALVANIZED STEEL FRAME AND GRATE. CENTRAL PRECAST MODEL CP1818 OR EQUIVALENT.

36" SQUARE PRECAST CONCRETE DRAIN INLET WITH H-20 LOAD RATED GALVANIZED STEEL FRAME AND GRATE. CENTRAL PRECAST MODEL CP1818 OR EQUIVALENT.

ALL GRATES SHALL BE BOLT- OR LOCK-DOWN.

ALL INLETS SHALL BE H-20 LOAD RATED IF LOCATED IN VEHICULAR AREAS, OR PEDESTRIAN LOAD RATED OTHERWISE.

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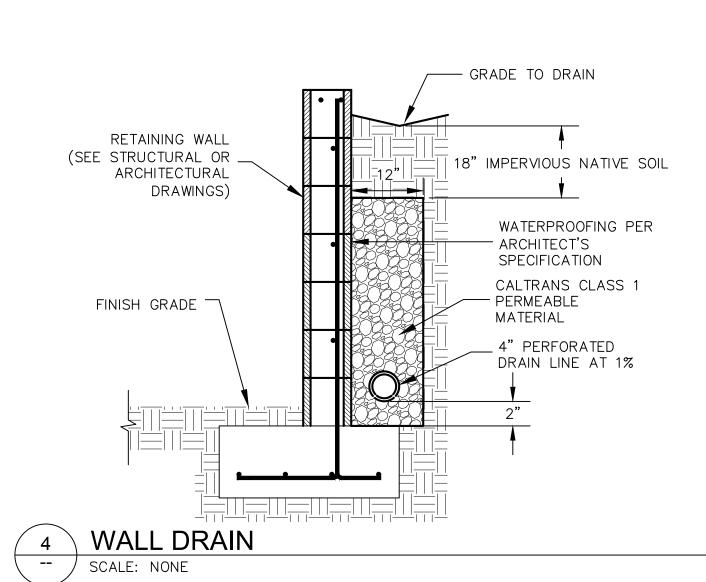


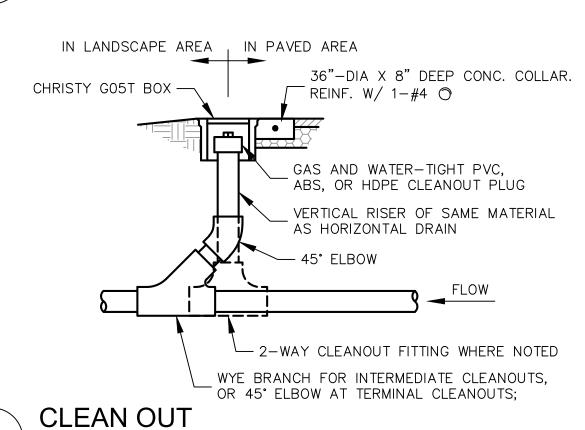
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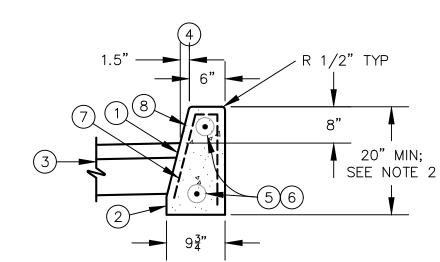
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- FINISH BRIDGE ECIFICATIONS START -CIVIL SPE





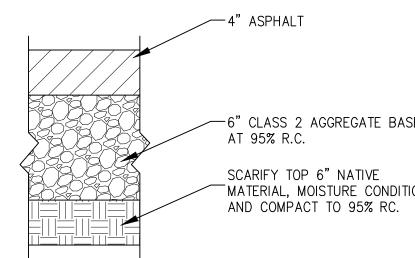




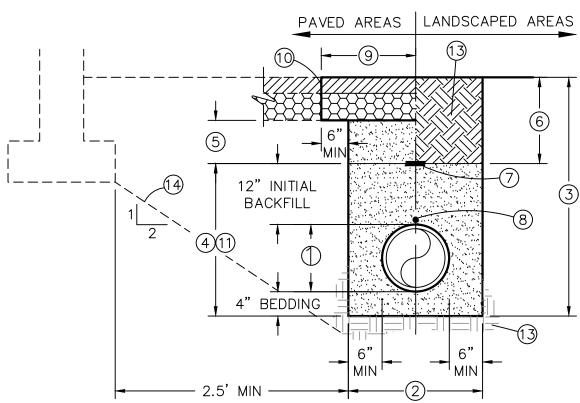
1. APPLY TACK COAT TO FACE OF CURB PRIOR TO PAVING

- 2. EXTEND CURB MIN 2" BELOW BOTTOM OF AGGREGATE BASE COURSE
- 4. CURB LINE PER PLANS
- 5. SLIP DOWEL EXPANSION JOINTS WITH TWO 12"-LONG #4 SMOOTH DOWELS. PROVIDE EXPANSION JOINTS AT CURB RETURNS, POINTS OF CURVATURE, AND EVERY 60' MAX. 6. DOWEL CONSTRUCTION JOINTS WITH TWO 12"-LONG #4 DEFORMED BAR DOWELS.
- PLANTER, BACK OF CURB SHALL ALSO BE FINISHED TO 6" BELOW FINISH PLANTER GRADE.

CONCRETE VERTICAL CURB SCALE: NONE



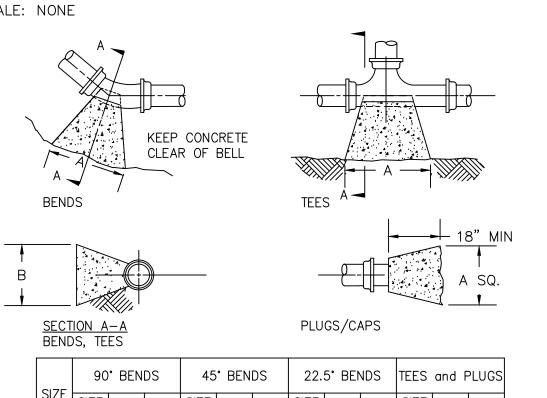
ASPHALT PAVEMENT SECTION SCALE: NONE



KEYNOTES

- 1. PROPOSED PRIVATE UTILITY; PIPE ZONE
- 2. MINIMUM TRENCH WIDTH = PIPE O.D. + 12" MIN. PROVIDE MIN 6" CLR EITHER SIDE OF PIPE. TRENCH WIDTH MAY VARY FROM ACTUAL WIDTH REQUIRED TO PERFORM THE WORK DEPENDING UPON METHOD OF COMPACTION AND FOR TRENCH SHORING/PROTECTION USED BY
- TRENCH DEPTH AS SHOWN ON PLANS. IF NOT SHOWN OR OTHERWISE SPECIFIED, PROVIDE MIN 36" COVER FOR WATER MAINS 4" AND LARGER, AND MIN 30" COVER FOR OTHER FACILITIES.
- 4. PIPE BEDDING AND INITIAL BACKFILL: CLEAN SAND AS DEFINED IN ASTM 2487-10, WITH SAND EQUIVALENT OF 30 OR GREATER, COMPACTED IN MAX 8" LIFTS TO MIN. 95% R.C.
- 5. FINAL BACKFILL IN BUILDING, SLAB, FLATWORK, AND PAVEMENT AREAS: CLEAN SAND AS DEFINED IN ASTM 2487-10, WITH SAND EQUIVALENT OF 30 OR GREATER, COMPACTED IN MAX 6" LIFTS TO MIN. 95% R.C.
- 6. FINAL BACKFILL IN LANDSCAPE AREAS: NATIVE MATERIAL COMPACTED IN MAX 8" LIFTS TO MIN. 90% R.C.
- 7. PLACE 3"-WIDE WARNING TAPE 12" ABOVE PIPE.
- 8. PROVIDE INSULATED 12 AWG TRACER WIRE FOR ALL EXTERIOR NON-METALLIC GAS PIPES AND NON-METALIC WATER PIPES 4"-DIA AND LARGER. TAPE TO TOP OF PIPE AT 10' INTERVALS. EXTEND TO THE SURFACE AT VALVE BOXES, RISERS, ETC., SO LOCATOR EQUIPMENT CAN BE CONNECTED.
- 9. PIPE TRENCHING WORK IN EXISTING PAVED AREAS SHALL INCLUDE REPLACEMENT OF EXISTING PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. THE THICKNESS OF THE NEW AC. AND AB SHALL BE EQUIVALENT TO THE EXISTING AC. AND AB THICKNESS, OR 2.5" AC ON 8" AB, WHICHEVER IS GREATER. TRENCH PATCH SHALL EXTEND MIN 6" BEYOND TRENCH
- 10. ALL PAVEMENT CUTS SHALL BE NEATLY SAWCUT ON TRUE LINE TO 1-1/2" MINIMUM DEPTH AT A MINIMUM OF 6" BEYOND EDGE OF TRENCH WALL.
- 11. IN VEHICULAR AREAS, WHERE FINISH GRADE IS LESS THAN 24" ABOVE THE TOP OF PIPE, BACKFILL TO MIN 6" ABOVE TOP OF PIPE WITH 5-SACK CONCRETE.
- 12. ALL SOILS PROPOSED TO BE UTILIZED FOR TRENCH BEDDING AND BACKFILL SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE USE. IMPORTED SOILS SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE BEING BROUGHT TO THE SITE.
- 13. UNDISTURBED SUBGRADE SOIL. THE GEOTECHNICAL ENGINEER SHALL APPROVE SUBGRADE PRIOR TO PLACING BEDDING.
- 14. UTILITY TRENCHES THAT ARE PARALLEL TO THE SIDES OF BUILDINGS OR WALL FOOTINGS SHALL BE LOCATED SO THAT THE TRENCHES DO NOT EXTEND BELOW AN IMAGINARY LINE SLOPING DOWN AT A 2:1 (H:V) SLOPE FROM THE BOTTOM OUTSIDE EDGE OF THE FOOTINGS.
- 15. WHERE UTILITY TRENCHES CROSS BENEATH FOOTINGS (INCLUDING PERIMETER FOUNDATIONS), A CONCRETE PLUG SHALL BE PROVIDED

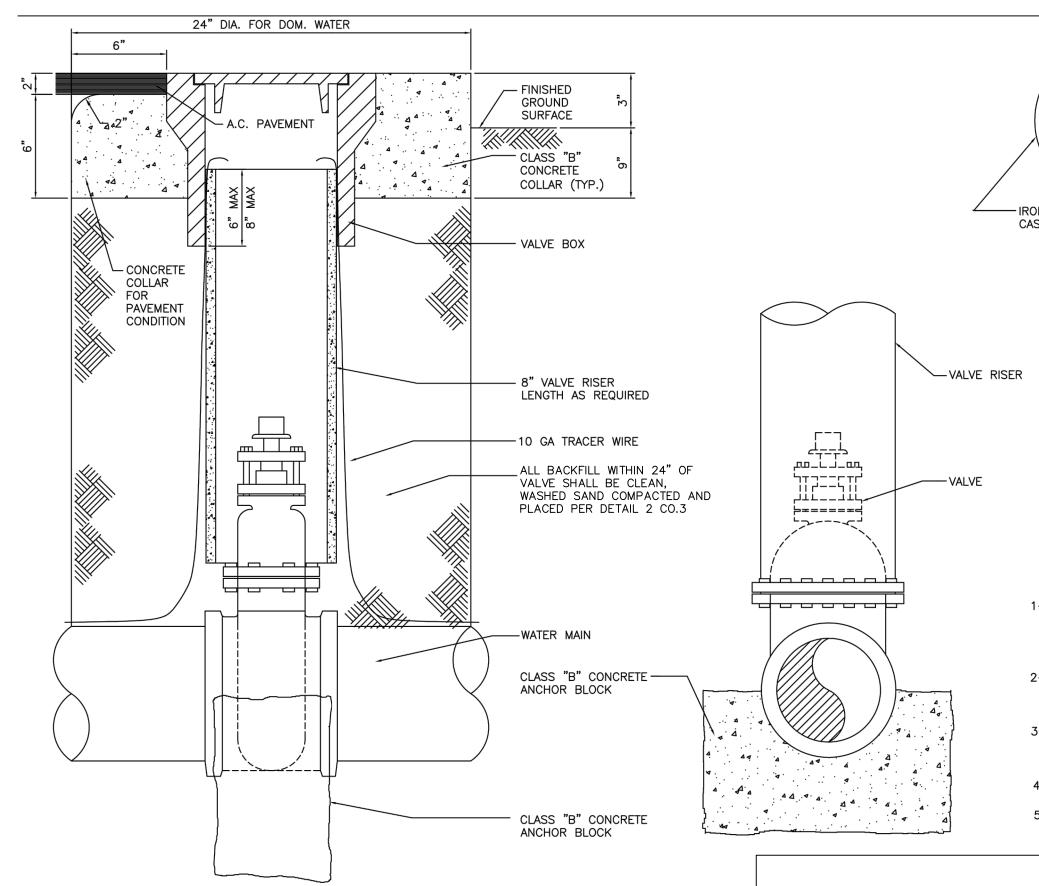
PRIVATE UTILITY TRENCHING



	90	• BEN	DS	45° BENDS			22.5° BENDS			TEES and PLUGS		
SIZE	SIZE SQ. FT.	"A"	"B"	SIZE SQ. FT.	"A"	"B"	SIZE SQ. FT.	"A"	"B"	SIZE SQ. FT.	"A"	"B"
4"	2	24"	12"	2	24"	12"	2	24"	12"	2	18"	12"
6"	5	36"	18"	3	24"	18"	3	24"	18"	4	36"	18"
8"	8	46"	24"	5	28"	24"	4	26"	20"	6	42"	20"
10"	13	60"	36"	7	36"	30"	6	32"	22"	9	48"	24"
12"	18	66"	42"	10	42"	36"	8	40"	24"	13	56"	30"
BASED	ON /	A WAT	ER PI	RESSU	RE OF	225	POUN	IDS PI	ER SQ	UARE	INCH	AND

SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT, PER NFPA 24 TABLE 8-6.2.7.





-IRON COVER WITH WORD "WATER" CAST THEREON 1- PROVIDE VALVE STEM EXTENSION IF DEPTH TO VALVE NUT EXCEEDS IN NEW TRACT DEVELOPMENTS EXTEND VALVE WELL PIPE 2' ABOVE VALVE TOWARD THE PIPE END. 3- WHERE CONCRETE CROSS GUTTERS AT STREET INTERSECTIONS WILL

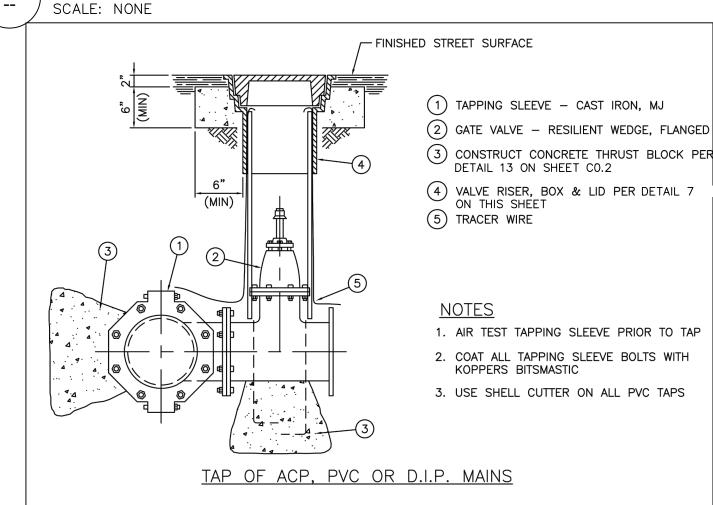
GROUND ON "KEY VALVES" FOR EMERGENCY SHUTOFFS. 2- BUTTERFLY VALVE OPERATORS SHALL BE LOCATED ON THE LEFT-HAND SIDE OF THE VALVE (AT THE TEE OR CROSS), LOOKING THROUGH THE

INTERFERE WITH VALVE BOXES, THE PIPELINE SHALL BE MOVED TO A POSITION 7 FEET OFF THE CURB FACE TO CLEAR THE CROSS GUTTER.

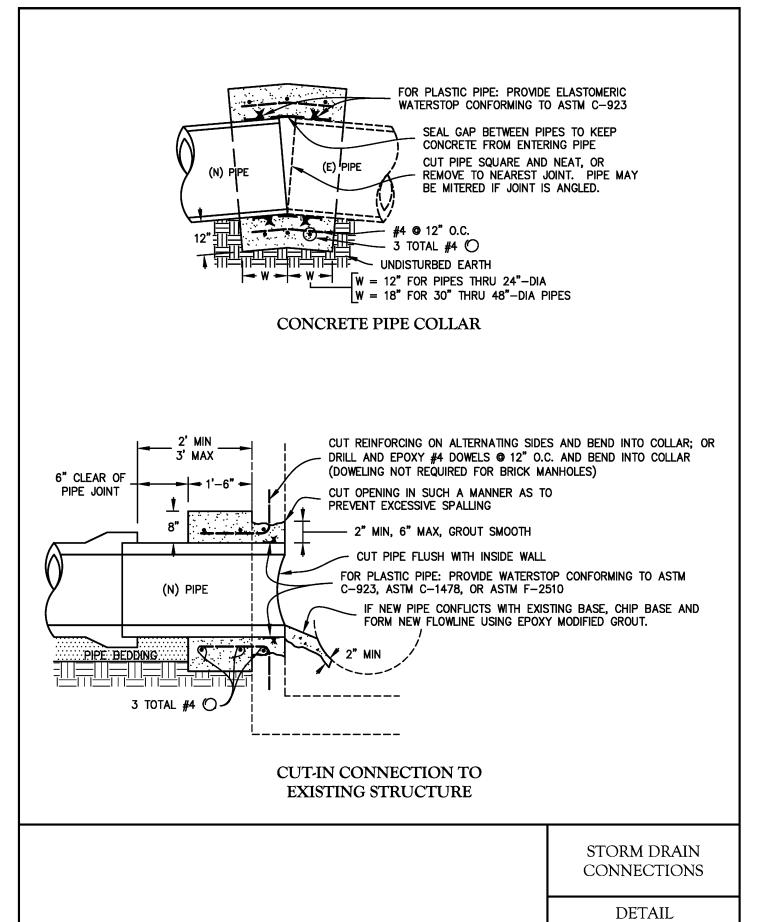
4- VALVES TO BE LOCATED ADJACENT TO FITTINGS WHEREVER POSSIBLE

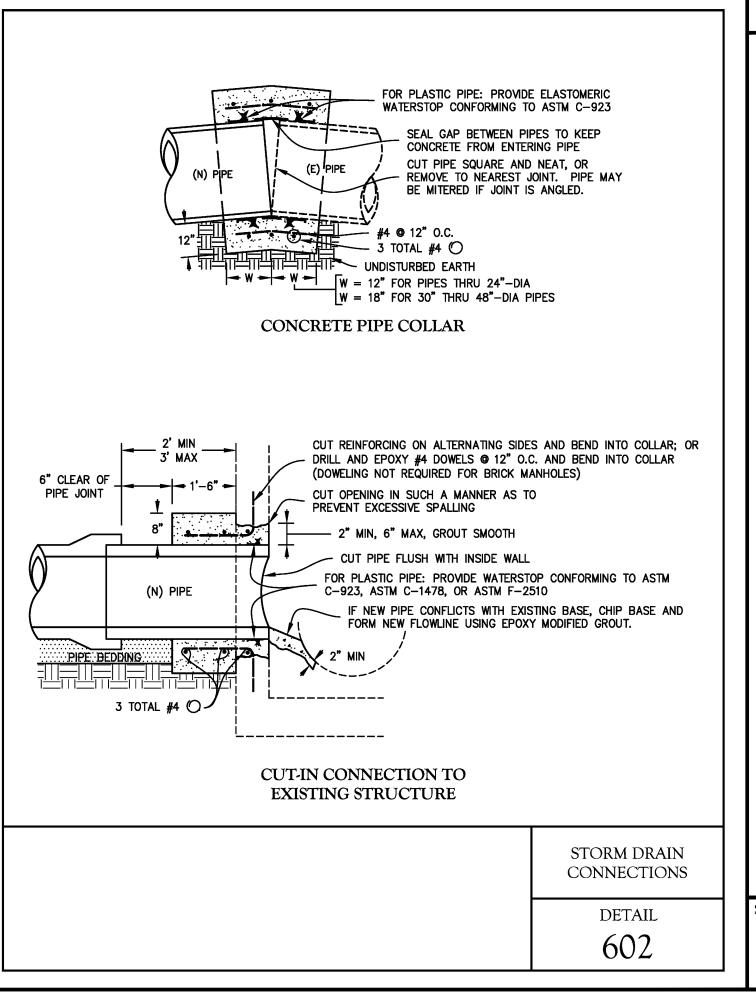
5- VALVES BOLTED TO FITTINGS WILL NOT REQUIRE ANCHOR BLOCKS.

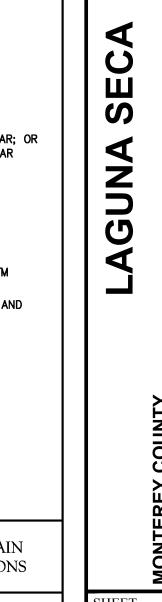




CONNECTION TO EXISTING PIPE







SHEET

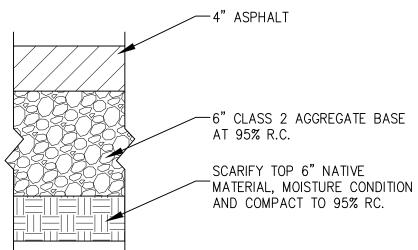
ART - FINISH BRIDG CIVIL DETAILS

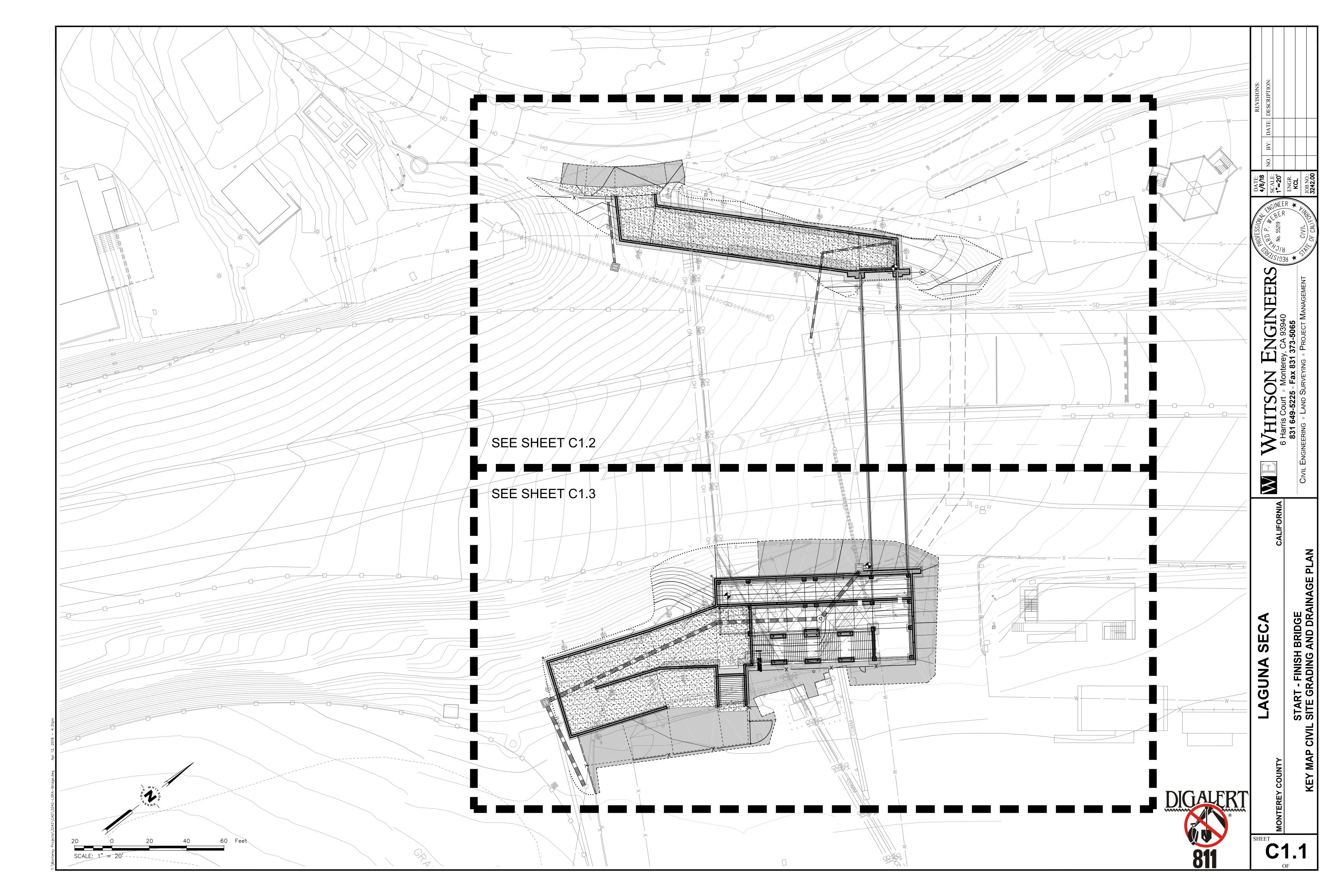
3. NEW AC PAVEMENT

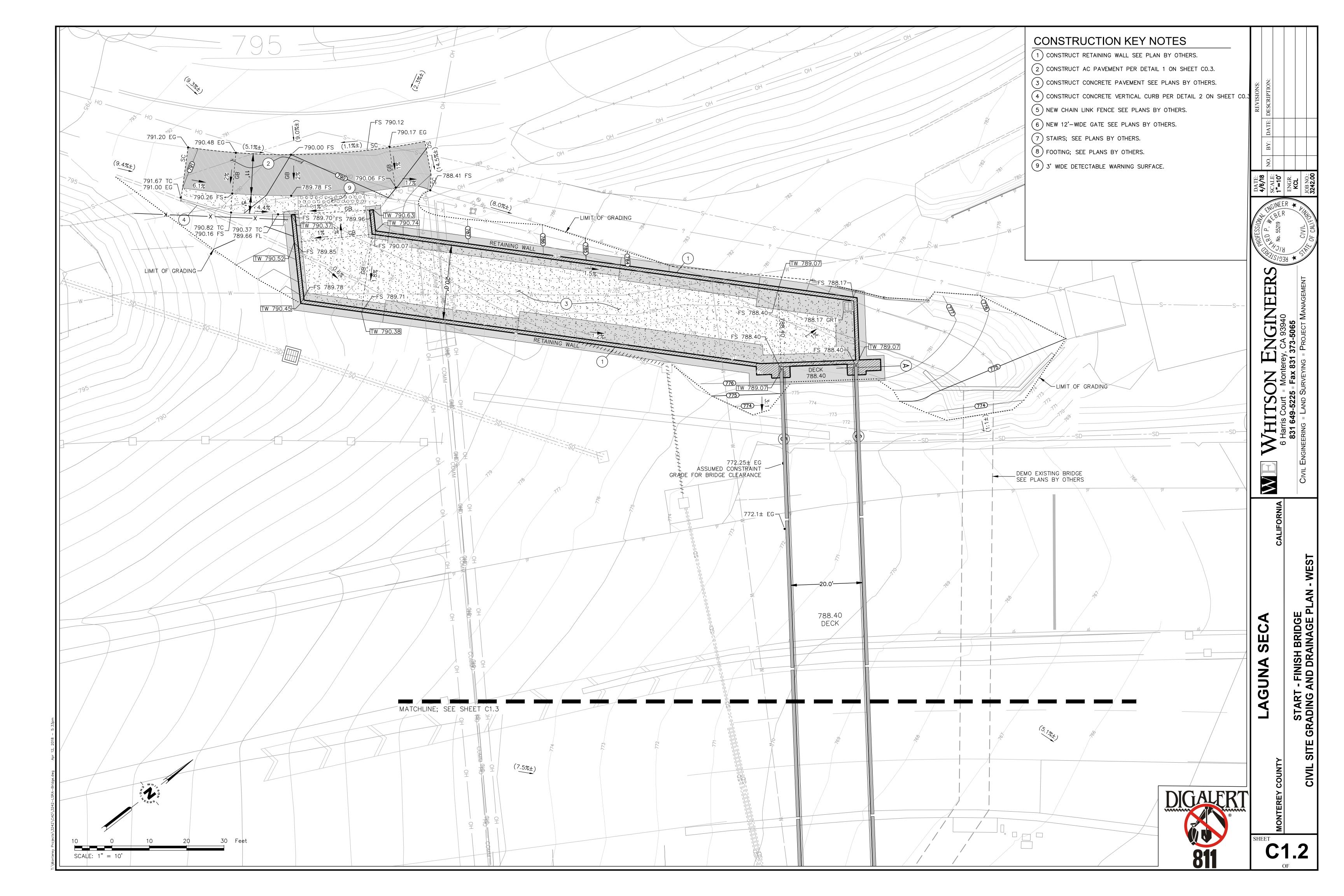
SCALE: NONE

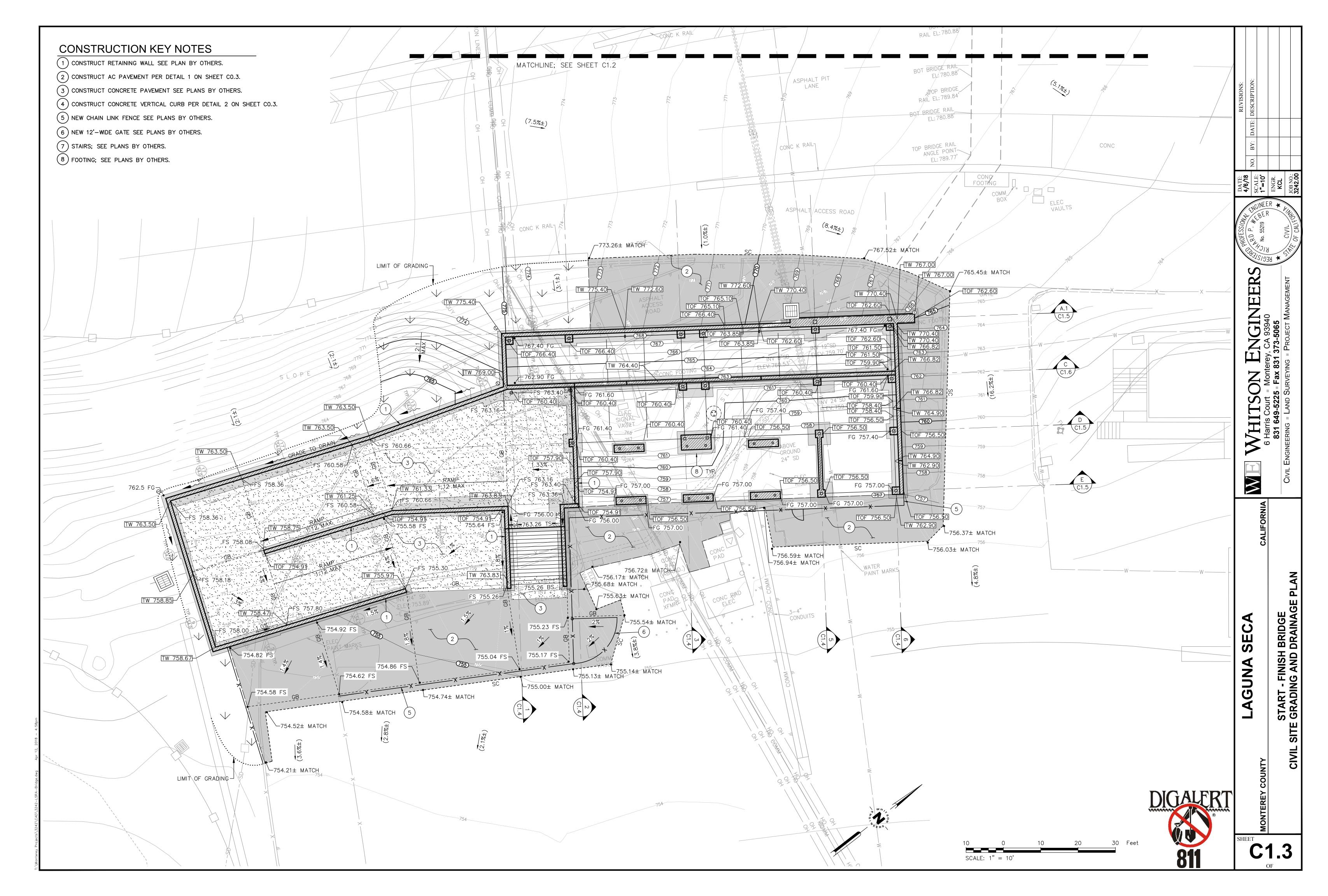
7. PROVIDE 1-1/2"-DEEP WEAKENED PLANE JOINTS AT MAXIMUM 12-FOOT INTERVALS. JOINTS SHOULD CORRESPOND TO SIDEWALK JOINT LOCATIONS WHERE ADJOINING.

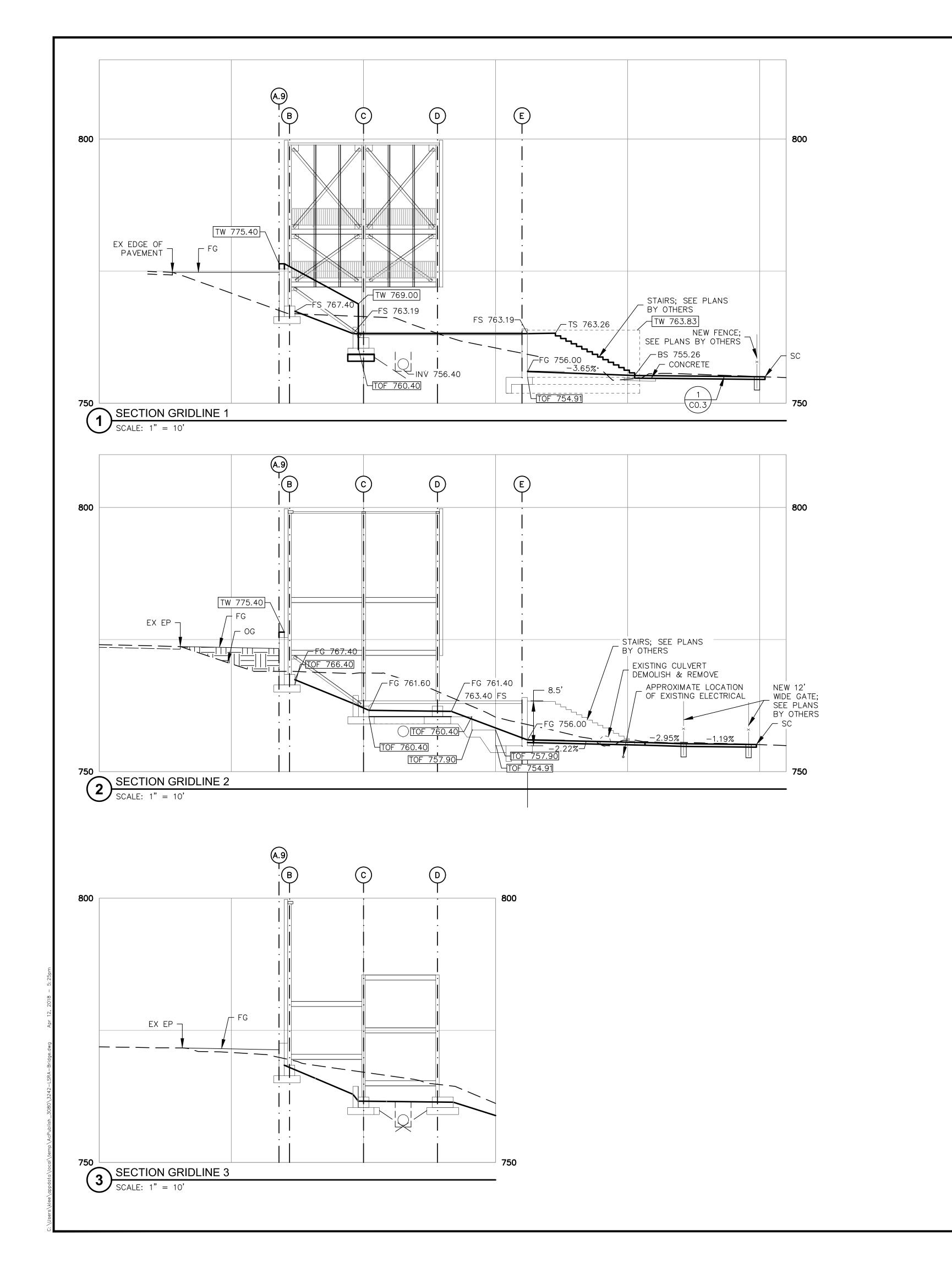
8. TOP AND FRONT OF ALL CURBS SHALL BE FINE BROOM FINISHED. WHERE CURB ABUTS

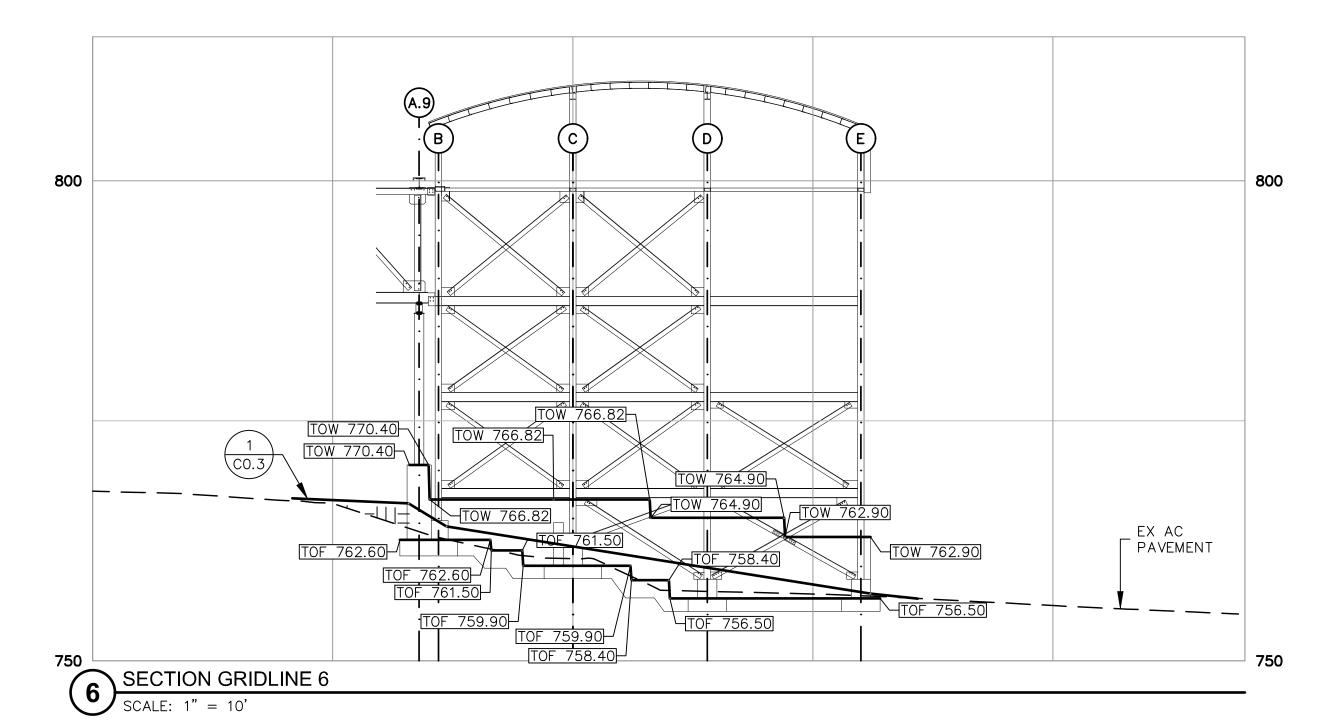














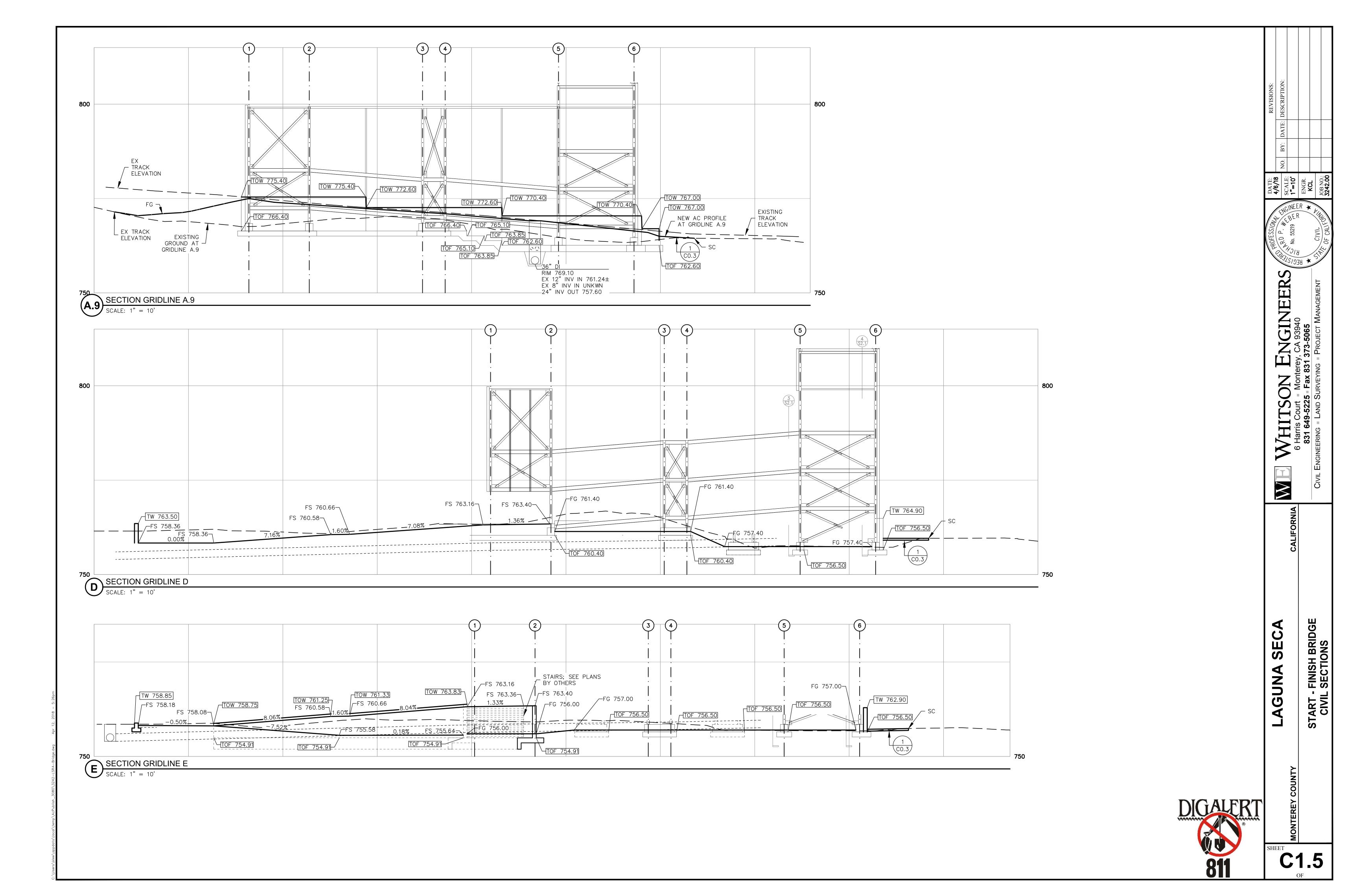
LAGUNA SECA

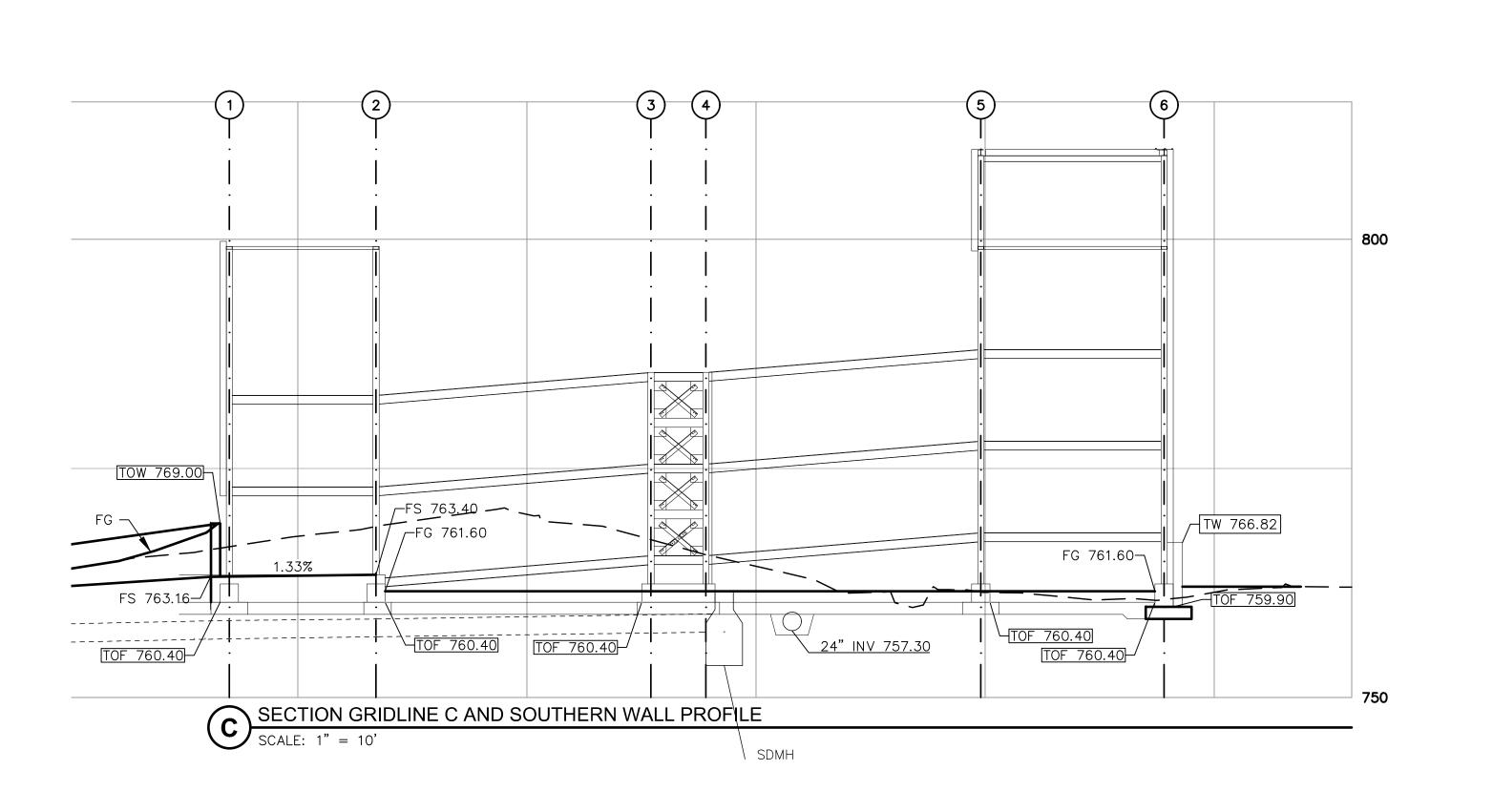
START - FINISH BRIDGE CIVIL SECTIONS

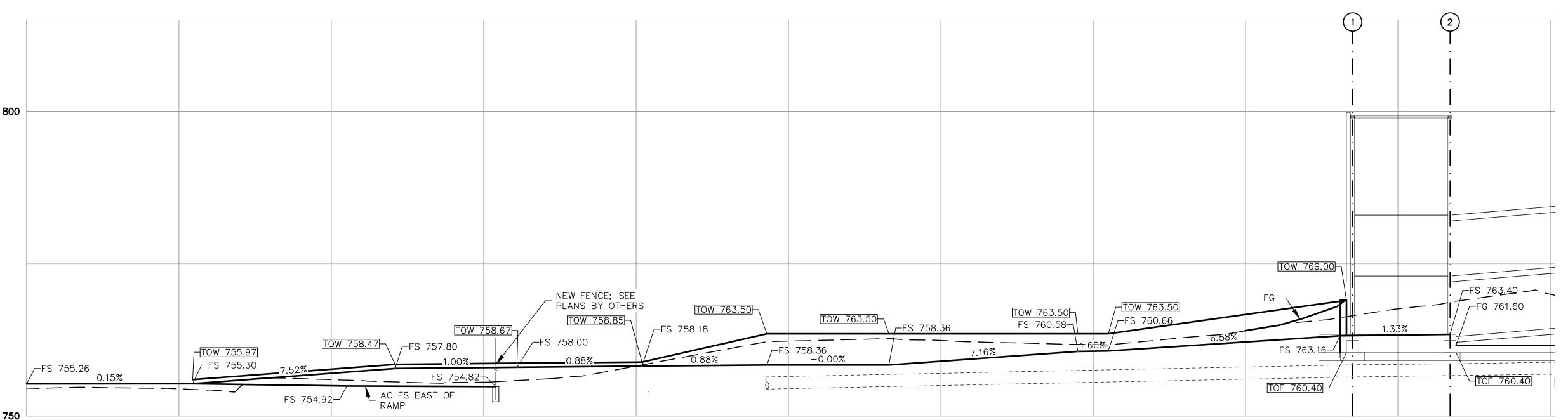
SNGINEERS

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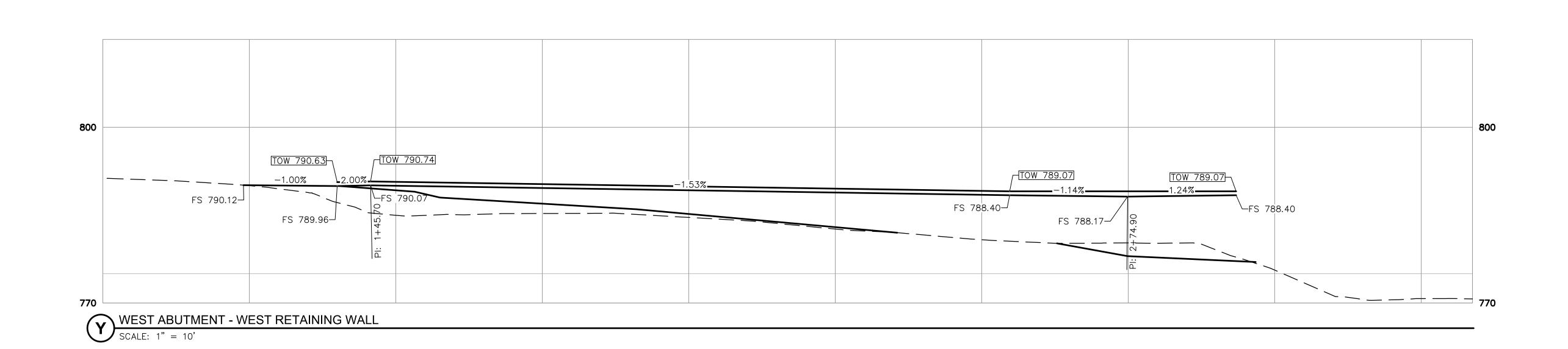
SECTION GRIDLINE C AND SOUTHERN WALL PROFILE

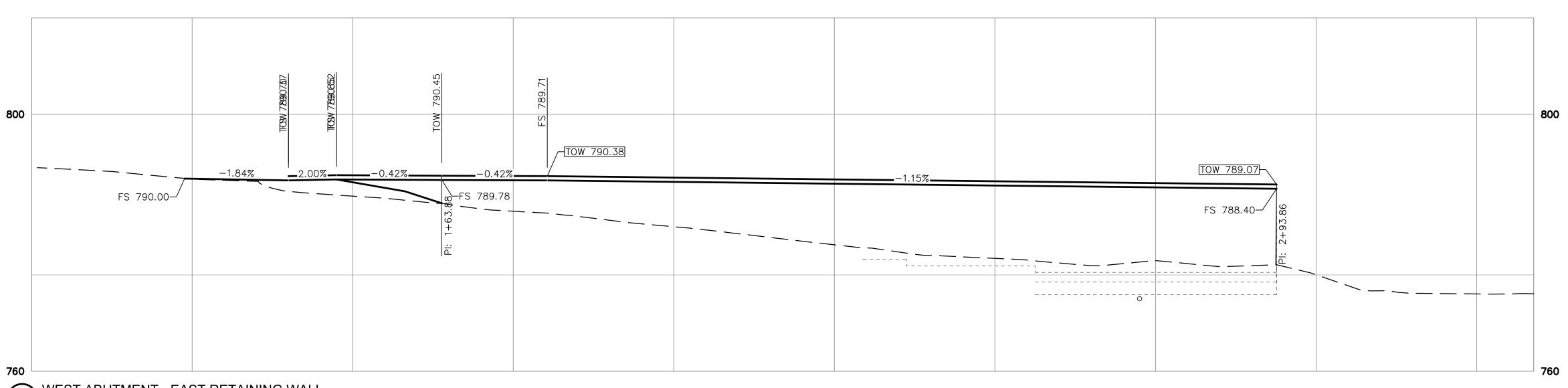
SCALE: 1" = 10'

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MONTEREY COUNTY

C1.6





WEST ABUTMENT - EAST RETAINING WALL

SCALE: 1" = 10'

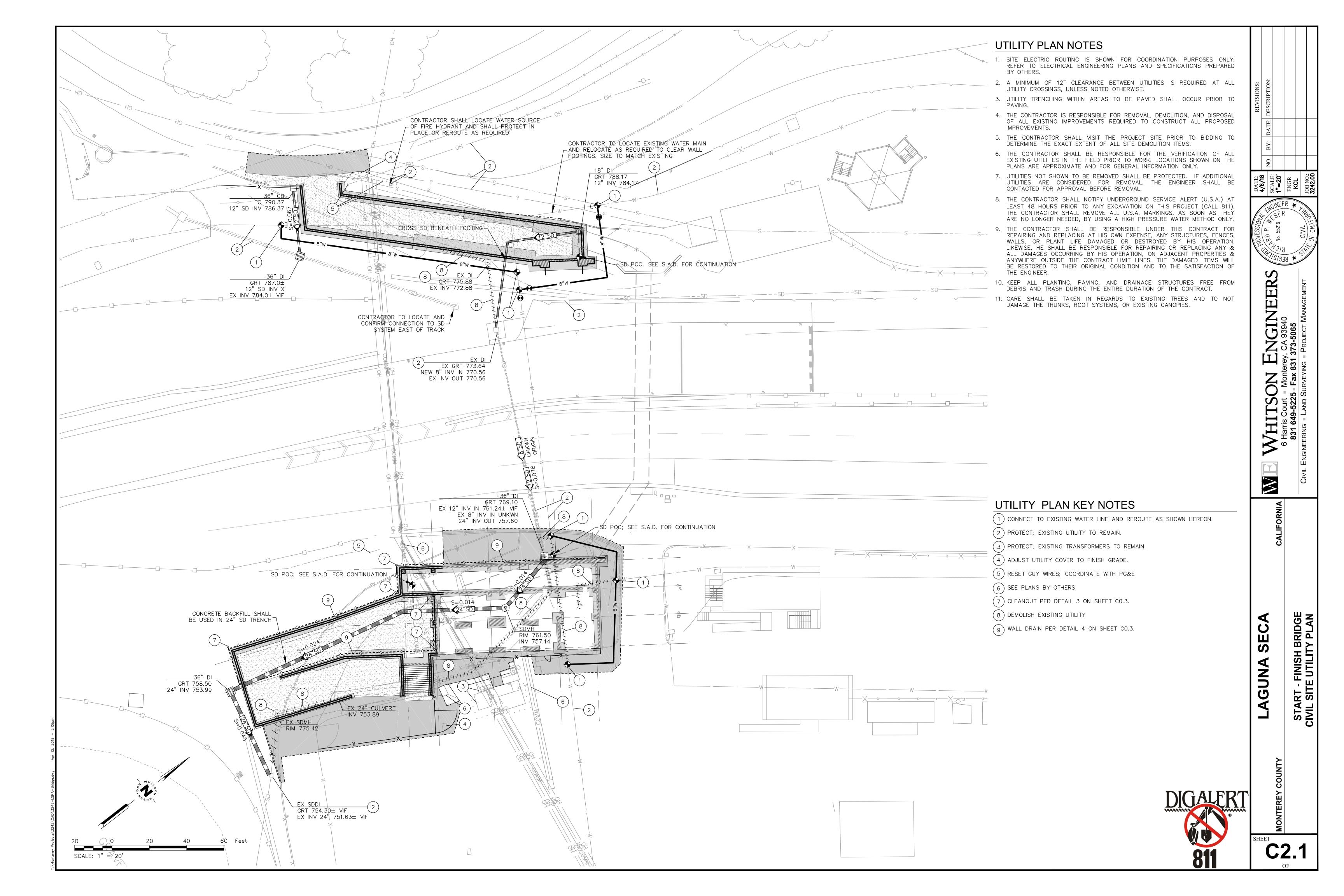
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START - FINISH BRIDGE CIVIL SECTIONS

10 0 10 20 30 Feet

SCALE: 1" = 10'



~~SC-7~~ MSWM ~~SC-7~~ 20 0 SCALE: 1" = 20'



LEGEND

SYMBOL	CALTRANS BMP #	CALTRANS STD. PLAN		DESCRIPTION
·······	SS-9	_		EARTH DIKES, DRAINAGE SWALES AND LINED DITCHES
-	SC-1, SC-5, SC-6	T51, T56, T60, T66		LINEAR SEDIMENT BARRIER: FIBER ROLLS, SILT FENCE, OR COMPOST SOCK (CONTRACTOR'S OPTION)
	SC-1	T51, T60	$\begin{pmatrix} SE-1 \\ C3.2 \end{pmatrix}$	SILT FENCE
ESA	_	_		TREE PROTECTION FENCING (ORANGE SNOW FENCING)
~~SC-7~~	SC-7	_		STREET SWEEPING
	SC-10	_	SC-10 C3.2	INLET PROTECTION
CWM	WM-8	T61, T62, T63, T64	WM-8 C3.2	CONCRETE WASTE MANAGEMENT (WASHOUT) AREA
* * * * * * * * * * * *	SS-3, SS-4, SS-5, SS-6, SS-7, SS-8	T59 —		SOIL STABILIZATION (<u>PROVIDE ON ALL DISTURBED SOILS</u>) TEMPORARY STABILIZATION PER CIVIL PLANS / SPECS PERMANENT STABILIZATION PER LANDSCAPE DWGS / SP
	TC-1, TC-3	T58	TC-1 C3.2	STABILIZED CONSTRUCTION ENTRANCE/EXIT OR TIRE WASH
MSWM	WM-1	-	WM-1 C3.2	MATERIAL STORAGE AND WASTE MANAGEMENT AREA
(WM-3)	WM-3	T53	WM-3 C3.2	TEMPORARY STOCKPILES
SS	WM-9	-		SANITARY FACILITIES
	_	_		DIRECTION OF DRAINAGE

TEMPORARY WATER POLLUTION CONTROL PLAN

DIGALERT

C3.1

WATER POLLUTION CONTROL PLAN

- ESTIMATED TOTAL DISTURBED AREA: 0.5 AC.
- BEST MANAGEMENT PRACTICES (BMPs) (MATERIALS AND THEIR INSTALLATION) SHALL CONFORM TO ONE OF THE FOLLOWING:
- 2.1. THE 2003 EDITION OF THE CALTRANS STORM WATER QUALITY HANDBOOK / CONSTRUCTION SITE BMP MANUAL. THE HANDBOOK MAY BE DOWNLOADED FOR FREE AT http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm
- THE 2009 EDITION OF THE CALIFORNIA STORMWATER BMP HANDBOOK PROMULGATED BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA). THE HANDBOOK MAY BE DOWNLOADED FOR A FEE FROM THE CASQA WEBSITE AT http://www.cabmphandbooks.com/
- THE BMPs SHOWN ON THIS WATER POLLUTION CONTROL PLAN SHALL BE ADJUSTED OR SUPPLEMENTED AS REQUIRED TO PROTECT WATER QUALITY AND/OR AS DIRECTED BY THE ENGINEER OR JURISDICTION HAVING AUTHORITY.
- THIS PLAN IS INTENDED TO BE USED FOR INTERIM WATER POLLUTION CONTROL ONLY AND IS NOT TO BE USED FOR FINAL ELEVATIONS OR PERMANENT IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING BMPs PRIOR TO, DURING, AND AFTER STORM EVENTS, AND SHALL PROMPTLY CORRECT ANY DEFICIENCIES NOTED
- ALL PAVED AREAS SHALL BE KEPT CLEAN OF SOIL AND DEBRIS. REGULAR STREET SWEEPING IS REQUIRED. ADDITIONAL STREET SWEEPING MAY BE REQUIRED BY THE ARCHITECT/ENGINEER OR JURISDICTION HAVING AUTHORITY.
- REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE. SHOULD ANY BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY, IMMEDIATELY REMEDY SHALL OCCUR.
- KEEP ADDITIONAL EROSION AND SEDIMENT CONTROL SUPPLIES ON SITE IN CASE IMMEDIATE REPAIRS OR MODIFICATIONS ARE REQUIRED. THESE SUPPLIES MAY INCLUDE ADDITIONAL SLIT FENCING. FILTER FABRIC, HAY BALES, JUTE NETTING, BAGS AND TARPS
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION
- ABATEMENT SHALL BE COMPLIED WITH 10. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY FEDERAL, STATE, AND LOCAL AGENCY REQUIREMENTS.
- PROVIDE TEMPORARY "EFFECTIVE SOIL COVER" ON ALL INACTIVE DISTURBED AREAS (AREAS WHICH HAVE NOT BEEN DISTURBED FOR AT LEAST 14 DAYS) PRIOR TO INSTALLATION OF FINAL LANDSCAPING, IF REQUIRED DUE TO PROJECT SCHEDULING.
- 12. PROVIDE WIND EROSION CONTROL AT ALL TIMES IN ACCORDANCE WITH BEST MANAGEMENT PRACTICE WE-1. LIMIT THE USE OF PLASTIC MATERIALS WHEN MORE SUSTAINABLE, ENVIRONMENTALLY FRIENDLY ALTERNATIVES EXIST. WHERE PLASTIC MATERIALS ARE DEEMED NECESSARY, CONSIDER THE USE
- OF PLASTIC MATERIALS RESISTANT TO SOLAR DEGRADATION AND WHICH MAY BE RE-USED. 14. ESTABLISH AND MAINTAIN EFFECTIVE PERIMETER CONTROLS AND STABILIZE ALL CONSTRUCTION ENTRANCES AND EXITS TO SUFFICIENTLY CONTROL EROSION AND SEDIMENT DISCHARGES FROM THE
- SITE. PROVIDE SILT FENCE AT CONSTRUCTION SITE PERIMETER WHERE RUNOFF LEAVES THE CONSTRUCTION SITE.
- PROVIDE INLET PROTECTION AT ALL DRAIN INLETS.

MONTEREY COUNTY REQUIREMENTS

- ACTUAL GRADING SHALL BEGIN WITHIN 30 DAYS OF VEGETATION REMOVAL OR THE AREA SHALL BE PLANTED TO CONTROL EROSION. VEGETATION REMOVAL BETWEEN OCTOBER 15TH AND APRIL 15TH SHALL NOT PRECEDE SUBSEQUENT GRADING OR CONSTRUCTION ACTIVITIES BY MORE THAN 15 DAYS.
- THE FOLLOWING PROVISIONS SHALL APPLY BETWEEN OCTOBER 1 AND APRIL 30. DISTURBED SURFACES NOT INVOLVED IN THE IMMEDIATE OPERATIONS MUST BE PROTECTED BY APPLYING STRAW MULCH AT 2000 LBS. PER ACRE AND ANCHORED BY TRACK-WALKING TO PREVENT MOVEMENT DURING WATER FLOW.
- RUNOFF FROM THE SITE SHALL BE DETAINED OR FILTERED BY BERMS, VEGETATED FILTER STRIPS AND/OR CATCH BASINS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE SITE. THESE DRAINAGE CONTROLS MUST BE MAINTAINED BY THE CONTRACTOR AS NECESSARY TO ACHIEVE THEIR PURPOSE THROUGHOUT THE LIFE OF THE PROJECT. SEE THIS SHEET FOR EROSION CONTROL PLAN AND EROSION CONTROL DETAILS.
- EROSION CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH DAY'S WORK THE BUILDING INSPECTOR SHALL STOP OPERATIONS DURING PERIODS OF INCLEMENT WEATHER IF HE DETERMINES THAT EROSION PROBLEMS ARE NOT BEING CONTROLLED ADEQUATELY.
- CUT AND FILL SLOPES SHALL BE PLANTED WITH AN SEED MIX APPROVED BY THE ARCHITECT. AMOUNT OF SEED AND FERTILIZER SHALL BE APPROVED BY THE ARCHITECT
- 3. ALL SURFACES EXPOSED OR EXPECTED TO BE EXPOSED DURING GRADING ACTIVITIES SHALL BE PREPARED AND MAINTAINED THROUGH THE LENGTH OF THE ENTIRE PROJECT TO PROTECT
- 4. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, WHEN HE OR HIS SUBCONTRACTORS ARE OPERATING EQUIPMENT ON THE SITE, SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE BY WATERING AND/OR TREATING THE SITE OF THE WORK IN SUCH A MANNER THAT WILL CONFINE DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY DUST FROM HIS OR HER SUBCONTRACTOR

OBSERVATION AND MAINTENANCE

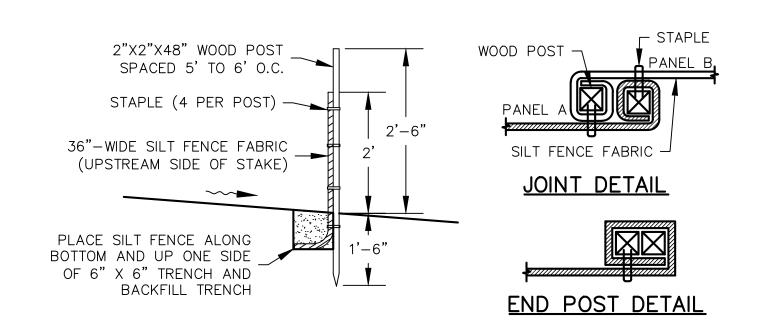
- VISUALLY OBSERVE AND MAINTAIN BEST MANAGEMENT PRACTICES (BMPs) AS FOLLOWS:
- A. WEEKLY, AND
- WITHIN 48 HOURS PRIOR TO EACH QUALIFIED RAIN EVENT (A RAIN EVENT WHICH PRODUCES 0.5 INCHES OF PRECIPITATION)
- EVERY 24 HOURS DURING A QUALIFIED RAIN EVENT
- WITHIN 48 HOURS AFTER EACH QUALIFIED RAIN EVENT
- REPAIR DAMAGED BMPs WITHIN 72 HOURS OF OBSERVATION.
- SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL BMP'S BEFORE SEDIMENT HAS ACCUMULATED TO A DEPTH OF ONE THIRD THE HEIGHT OF THE SEDIMENT BARRIER OR SUMP, IF NOT OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS OR BY THE BMP SUPPLIER OR MANUFACTURER.
- TRASH AND DEBRIS SHALL BE REMOVED FROM BMPs DURING SCHEDULED INSPECTIONS. REMOVED SEDIMENT SHALL BE PLACED AT AN APPROVED LOCATION AND IN SUCH A MANNER THAT IT WILL NOT ERODE, OR SHALL BE DISPOSED OF OFF-SITE.
- REPAIR RILLS AND GULLIES BY RE-GRADING AND THEN TRACKWALKING PERPINDICULAR TO THE SLOPE. PROVIDE TEMPORARY SOIL COVER IF NECESSARY.

NON-STORM WATER DISCHARGES

- NON-STORM WATER DISCHARGES INCLUDE A WIDE VARIETY OF SOURCES, INCLUDING IMPROPER DUMPING, SPILLS, OR LEAKAGE FROM STORAGE TANKS OR TRANSFER AREAS. NON-STORM WATER DISCHARGES MAY CONTRIBUTE SIGNIFICANT POLLUTANT LOADS TO RECEIVING WATERS, AND AS SUCH ARE PROHIBITED
- MEASURES TO CONTROL SPILLS, LEAKAGE, AND DUMPING, AND TO PREVENT ILLICIT CONNECTIONS DURING CONSTRUCTION, MUST BE TAKEN. HOWEVER, CERTAIN NON-STORM WATER DISCHARGES MAY BE AUTHORIZED FOR THE COMPLETION OF CONSTRUCTION. AUTHORIZED NON-STORM WATER DISCHARGES MAY INCLUDE THOSE FROM DECHLORINATED POTABLE WATER SOURCES SUCH AS:
 - FIRE HYDRANT FLUSHING, IRRIGATION OF VEGETATIVE EROSION CONTROL MEASURES,
 - PIPE FLUSHING AND TESTING,
 - WATER TO CONTROL DUST,
 - UNCONTAMINATED GROUND WATER FROM DEWATERING,
- OTHER DISCHARGES NOT SUBJECT TO A SEPARATE GENERAL NPDES PERMIT ADOPTED BY A REGIONAL WATER BOARD.
- 4. THE DISCHARGE OF NON-STORM WATER IS AUTHORIZED UNDER THE FOLLOWING CONDITIONS: THE DISCHARGE DOES NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD
- THE DISCHARGE DOES NOT VIOLATE ANY OTHER PROVISION OF THE GENERAL PERMIT
- THE DISCHARGE IS NOT PROHIBITED BY THE APPLICABLE BASIN PLAN
- THE DISCHARGER HAS INCLUDED AND IMPLEMENTED SPECIFIC BMPS REQUIRED BY THE GENERAL PERMIT TO PREVENT OR REDUCE THE CONTACT OF THE NONSTORM WATER DISCHARGE WITH CONSTRUCTION MATERIALS OR EQUIPMENT
- THE DISCHARGE DOES NOT CONTAIN TOXIC CONSTITUENTS IN TOXIC AMOUNTS OR (OTHER) SIGNIFICANT QUANTITIES OF POLLUTANTS
- THE DISCHARGE IS MONITORED
- 5. IF ANY OF THE ABOVE CONDITIONS ARE NOT SATISFIED, THE DISCHARGE IS NOT AUTHORIZED.

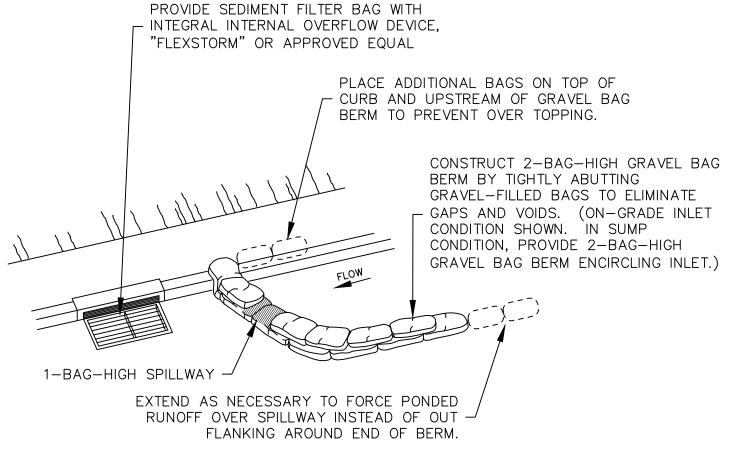
EMPLOYEE TRAINING

- 1. STORM WATER POLLUTION PREVENTION TRAINING SHALL BE PROVIDED AT THE BEGINNING OF CONSTRUCTION AND REGULARLY DURING CONSTRUCTION FOR ALL EMPLOYEES WORKING ON THE JOB SITE. TRAINING SHALL BE PROVIDED BY THE CONTRACTOR'S WATER POLLUTION CONTROL MANAGER. TOPICS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
- SPILL PREVENTION AND RESPONSE; • LOCATIONS AND FUNCTIONS OF SEDIMENT/EROSION CONTROL DEVICES;
- GOOD HOUSEKEEPING;
- FINES AND PENALTIES;
- MATERIAL MANAGEMENT PRACTICES.

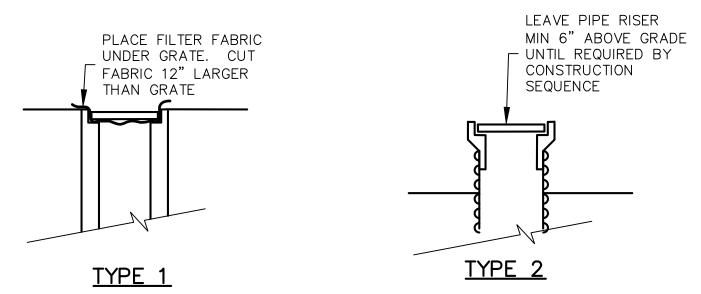


1. THE DOWNSTREAM END OF THE SILT FENCE SHALL HAVE THE LAST 8' ANGLED UP SLOPE TO PREVENT WATER FROM RUNNING AROUND THE END OF THE SILT FENCE 2. JOINT SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS

TEMPORARY SILT FENCE SCALE: NONE

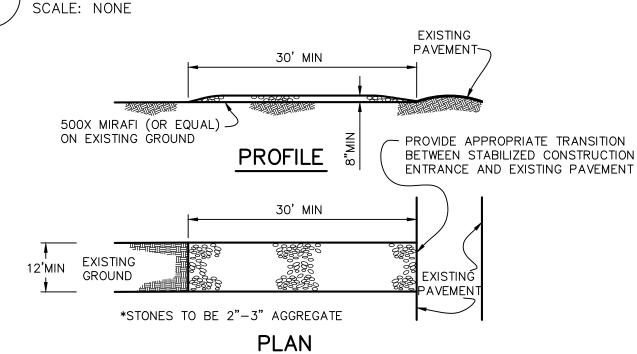


TYPE 3



1. PROVIDE TYPE 1 INLET PROTECTION AT ALL INLETS IF OTHER TYPE NOT PROVIDED TYPE 2 INLET PROTECTION MAY BE PROVIDED IN LIEU OF TYPE 1 AT CONTRACTOR'S OPTION. TYPE 3 INLET PROTECTION SHALL BE PROVIDED FOR ALL EXISTING AND PROPOSED PUBLIC STORM DRAIN INLETS, AND ANY PRIVATE INLETS WHICH ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.

STORM DRAIN INLET PROTECTION



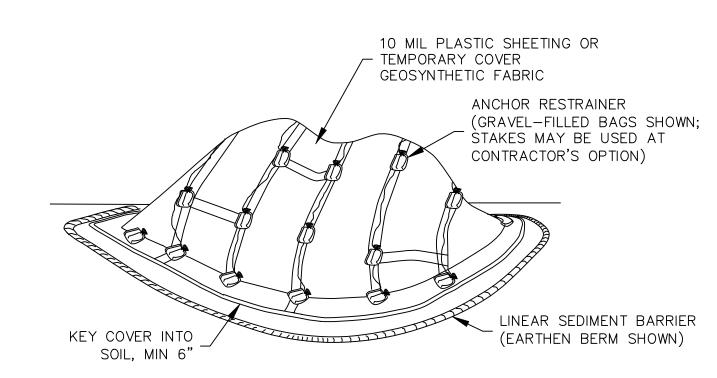
TRAP OR SEDIMENT BASIN.

MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT. - ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY. - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. THIS SHALL BE DONE AT AN AREA

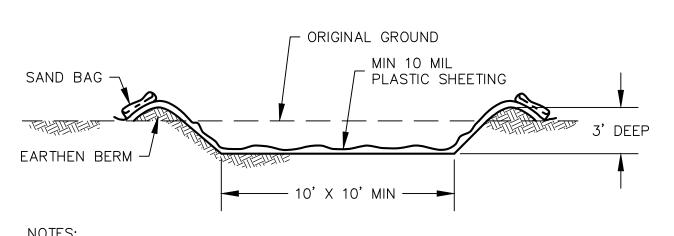
STABILIZED WITH CRUSHED STONE, WHICH DRAINS INTO AN APPROVED SEDIMENT

STABILIZED CONSTRUCTION ENTRANCE

SCALE: NONE



TEMPORARY COVER ON STOCKPILE SCALE: NONE



1. AT CONTRACTOR'S OPTION, AN EQUIVALENT 10' X 10' X 2'-DEEP ABOVE-GRADE WASHOUT MAY BE CONSTRUCTED USING LUMBER OR HAY

TEMPORARY CONCRETE WASHOUT FACILITY SCALE: NONE



STRUCTURAL NOTES

- . ALL CONSTRUCTION not specifically detailed shall conform to the requirements of the 2016 California Building Code (CBC) and any local code requirements. All details, sections and notes shown on the drawings are intended to be typical and shall apply to similar situations elsewhere unless otherwise noted.
- 2. CHECK ALL DIMENSIONS in relation to site conditions before starting work. The contractor shall coordinate work of all trades. All discrepancies shall be called to the attention of the engineer and resolved before proceeding with work. During construction phase the contractor is responsible for the safety of the OFFICIAL AND ENGINEER. building and personnel. Provide adequate shoring and/or bracing in accordance with appropriate Local, State and National safety codes.
- 3. FOOTINGS shall be as detailed on the drawings. The foundation design is based upon the values provided by Grice Engineering and Geology Inc. report #6453—15.05 dated June 30, 2015. The footings have been designed for an allowable soil bearing pressure of 2,000 PSF DL & 2,700 PSF DL+LL) plus one third increase for wind and seismic loads. Footings shall bear 18" min. into firm undisturbed original soil or engineered fill.
- 4. REINFORCING BARS shall be deformed bars conforming to ASTM standard specification A615—68 Grade 60. #4 and smaller bars may be Grade 40. Bars shall be placed in as long lengths as possible and shall lap 40 diameter at splices in Concrete (72 diameter at splices in Concrete Masonry per CBC 2108.2) unless otherwise shown or noted on plans. Splices shall be staggered and bars may be wired together at splices. All steel shall be rigidly held in place with approved metal devices.
- Bar coverage (face of bar to face of concrete) shall be as follows: Concrete slab on grade 1–1/2" min.
- Concrete surface against earth 3" min. When poured against forms 2" min.
- All others..... see details.

ANCHOR RODS, for anchorage of steel frame systems, shall be ASTM A36 (Grade 36) Threaded Rod; or ASTM 1554 (Grade 36) Anchor Rods with threaded ends as preferred by contractor (See Table 2-6; AISC 14th Edition). The embedded end shall be installed with bearing plates & double jamb nuts as indicated in the drawings. Anchor Rods shall be rigidly held in place during concrete pour.

- 6. EPOXY ANCHORS shall be HILTI HIT-RE 500 V3 (ICC Report #ESR-3814) with F1554 Gr. 36 Threaded Rods. Epoxy anchors shall be installed per manufacturer's specifications; special inspection is required per Chapter 17 of the 2016 CBC & above referenced ICC reports.
- 7. STRUCTURAL AND MISCELLANEOUS STEEL shall be in accordance with AISC "Specification for the Fabrication and Erection of Structural Steel for Buildings". Wide flanges shall be 50 ksi ASTM A-992; Channels, angles and other miscellaneous steel shapes shall be 36 ksi ASTM A-36; Steel tubes shall be "HSS" ASTM A-500 grade B unless otherwise noted on the plans. All bolt holes shall be punched or drilled (burning of holes is not permitted). All structural steel shall have one coat of shop primer & at least one final coat with type & color per Architects or owners specification.
- 8. WELDING shall comply with the pertinent recommendations of the American Welding Society (AWS). Qualify welding processes and welding operators in accordance with AWS "Standard Qualification Procedures". Electrodes shall be E-70 series and shall conform with AISC specifications.
- 9. LIGHT-GAUGE STEEL shall be of the shape, dimensions and gauge as indicated on the plans and specifications.

DESIGN LOADS

DESIGN BASE SHEAR.

SCOPE: CONSTRUCTION OF NEW PEDESTRIAN BRIDGE AND ACCESS RAMPS

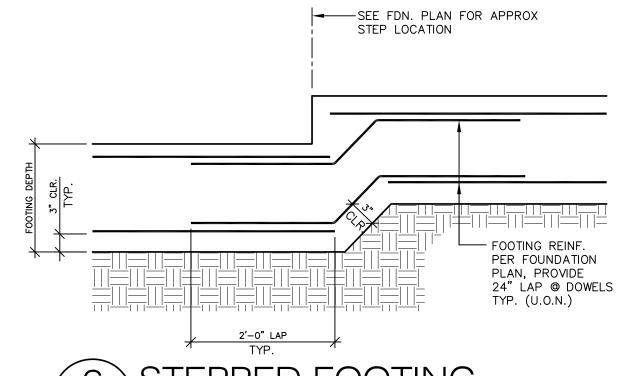
SECTION 1604.5 & TABLE 1604.5: RISK CATEGORY	. Ш
SECTION 1606 - DEAD LOADS	
PEDESTRIAN BRIDGE ROOF WALLS FLOOR DECK	.6 PSF
RAMP STRUCTURE RAMP DECK WALLS STAIR LOAD	. 3 PSF
SECTION 1607 — LIVE LOADS ROOF LIVE LOAD FLOOR LIVE LOAD — PEDESTRIAN BRIDGE FLOOR LIVE LOAD — RAMP STRUCTURE	. 20 PSF . 90 PSF . 100 PSF
SECTION 1608 — SNOW LOAD SECTION 1609 — WIND DESIGN DATA BASIC WIND SPEED	,
WIND EXPOSURE	
SECTION 1613 — EARTHQUAKE DESIGN DATA LATITUDE LONGITUDE SITE CLASS SPECTRAL RESPONSE @ 0.2 SEC PERIOD, S _s SPECTRAL RESPONSE @ 1.0 SEC PERIOD, S ₁ SHORT PERIOD SITE COEFFICIENT @ 0.2 SEC PERIOD, F _s LONG PERIOD SITE COEFFICIENT @ 1.0 SEC PERIOD, F _s MODIFIED SPECTRAL RESPONSE @ 0.2 SEC PERIOD, S _{MS} MODIFIED SPECTRAL RESPONSE @ 1.0 SEC PERIOD, S _{M1} DESIGN SPECTRAL RESPONSE COEFFICIENTS, S _{DS} S _{D1}	. 121.75678°W . D . 1.441 . 0.517 . 1.00 . 1.50 . 1.441 . 0.776 . 0.961
CHAPTER 12: EQUIVALENT LATERAL FORCE PROCEDURE (ASCE7-10 SECTION 12.8.1) SEISMIC IMPORTANCE FACTOR, I. SEISMIC DESIGN CATEGORY. BASIC SEISMIC FORCE RESISTING SYSTEM. RESPONSE MODIFICATION FACTOR, R. SEISMIC RESPONSE COEFFICIENT, C.	. D . SOCBF, . 3.25,

 $V = C_s W$

SPECIAL TESTS & INSPECTION SCHEDULE

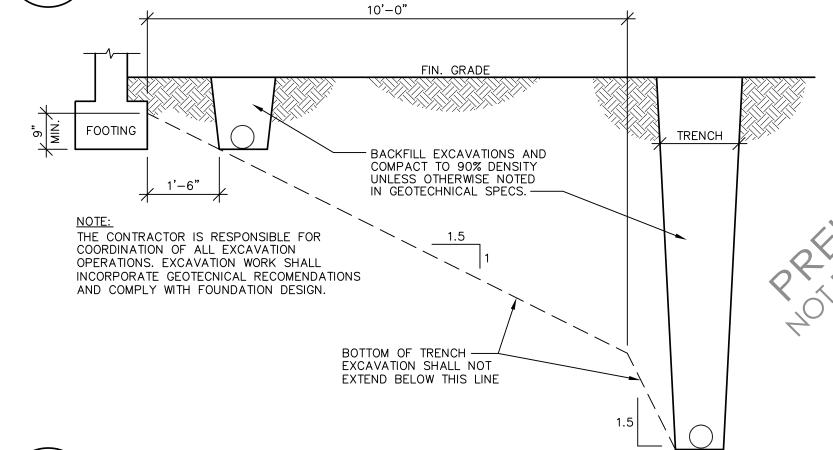
THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2016 CBC 1705. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING

REQ'D	REMARKS				
1	BY SOILS ENGINEER (PER SECTION 1705.6 & TABLE 1705.6)				
1	BY SOILS ENGINEER (PER SECTION 1705.6 & TABLE 1705.6)				
1	BY SOILS ENGINEER (PER SECTION 1705.6 & TABLE 1705.6)				
VEC	PER SECTION 1705.3 & TABLE 1705.3				
TES	PER SECTION 1705.3 & TABLE 1705.3				
+	PER SECTION 1705.2 & AISC 360-CHAPTER "N" (TABLES N5.4-1, 2, & 3)				
YES	PER SECTION 1705.2 & AISC 360-CHAPTER "N" (TABLES N5.4-1, 2, & 3)				
VEC	PER SECTION 1705.2 & AISC 360-CHAPTER "N" (TABLES N5.6-1, 2, & 3)				
IES	FER SECTION 1703.2 & AISC SOU-CHAPTER IN (TABLES INS.0-1, 2, & 3)				
PERIODIC	VISUAL - INSTALLATION PROCEDURES ONLY (PER SECTION 1705.1.1)				
1. SOILS ENGINEER TO PROVIDE OBSERVATION DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION. OBSERVATION REPORTS TO BE MAILED DIRECTLY TO BUILDING DEPARTMENT.					
	1 1 1 YES YES YES YES PERIODIC				

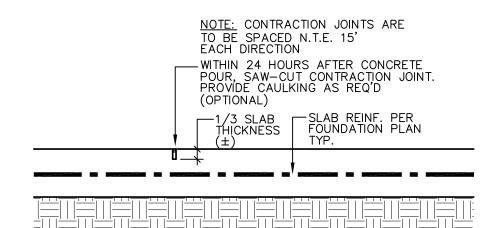


MAX. DEPTH OF THE BOTT. AT OPEN TRENCH: PROVIDE SLEEVES FOR ALL PIPES & CONDUIT PASSING THROUGH FTGS - BOTTOM OF FOOTING (A) SLURRY BOTTOM OF EXCAVATION - PIPE FOR TRENCH MUST BE SLEEVE ABOVE THIS LINE - AT PIPES UNDER FOOTINGS: EXCAVATE STEP IN BOTT. OF FOOTING WHERE NECESSARY TO MAINTAIN A MINIMUM COVERAGE OF 9" ON EACH SIDE AND 6" @ BOTT. OF SLEEVE. BACKFILL UTILITY TRENCHES WITH 2-SACK SAND SLURRY @ A 2:1 SLOPE FROM BOTT. OF FOOTINGS.

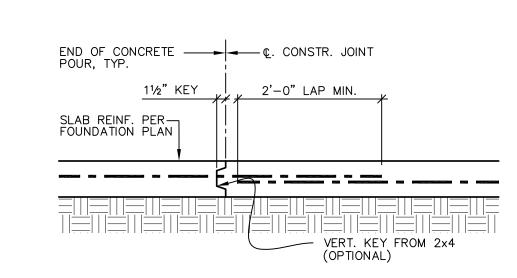
TYP. PIPES AT FOOTING 5 TYP. PIPES A S1.0 SCALE: 1/2" = 1'-0"



TYP. TRENCH DETAIL S1.0 SCALE: 1/2" = 1'-0"



TYPICAL CONTRACTION JOINT



TYPICAL CONSTRUCTION JOINT

Group, erin Engine Pacific E 30 Ryan Court ph: (831) 333-6

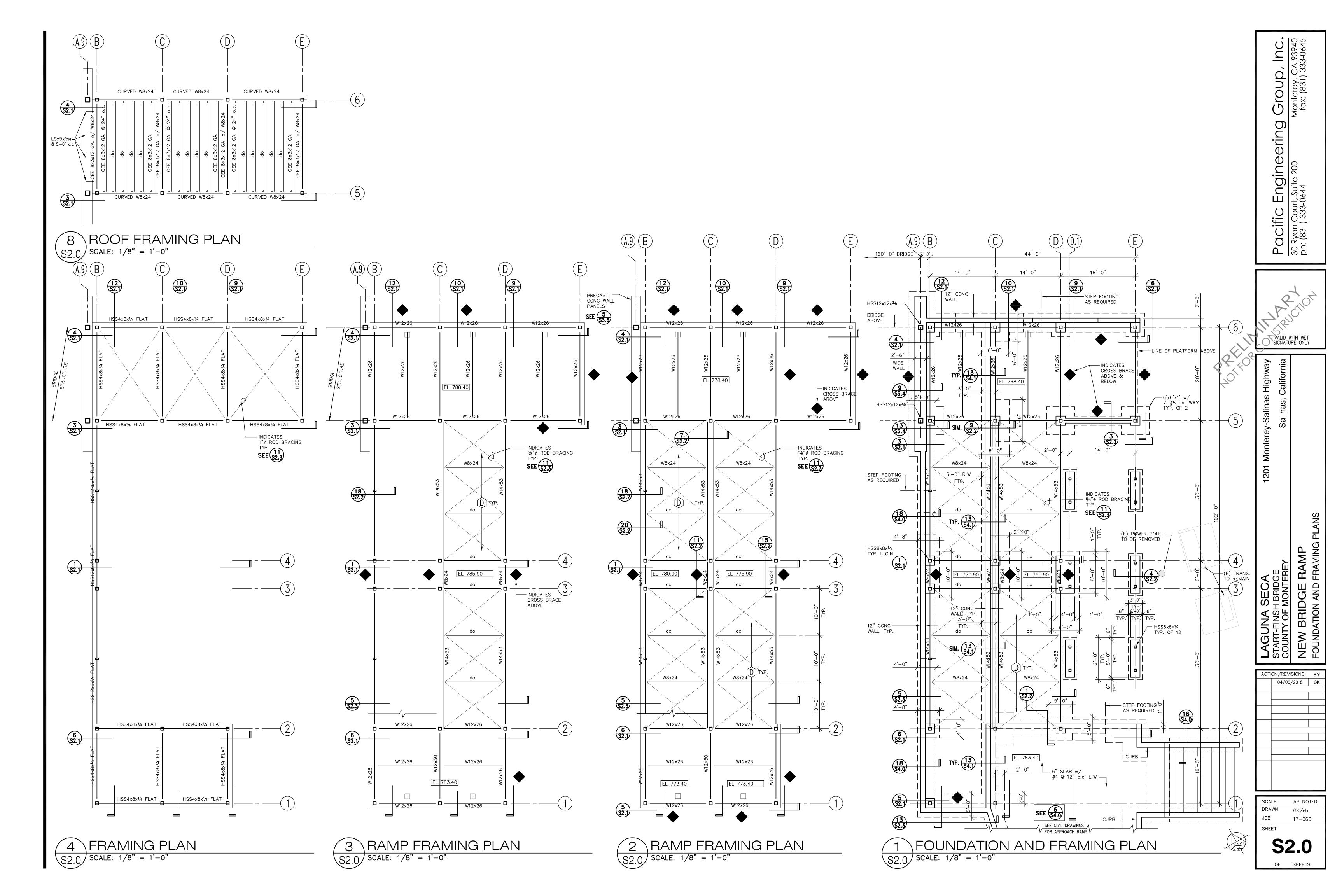
VALID WITH WET SIGNATURE ONLY

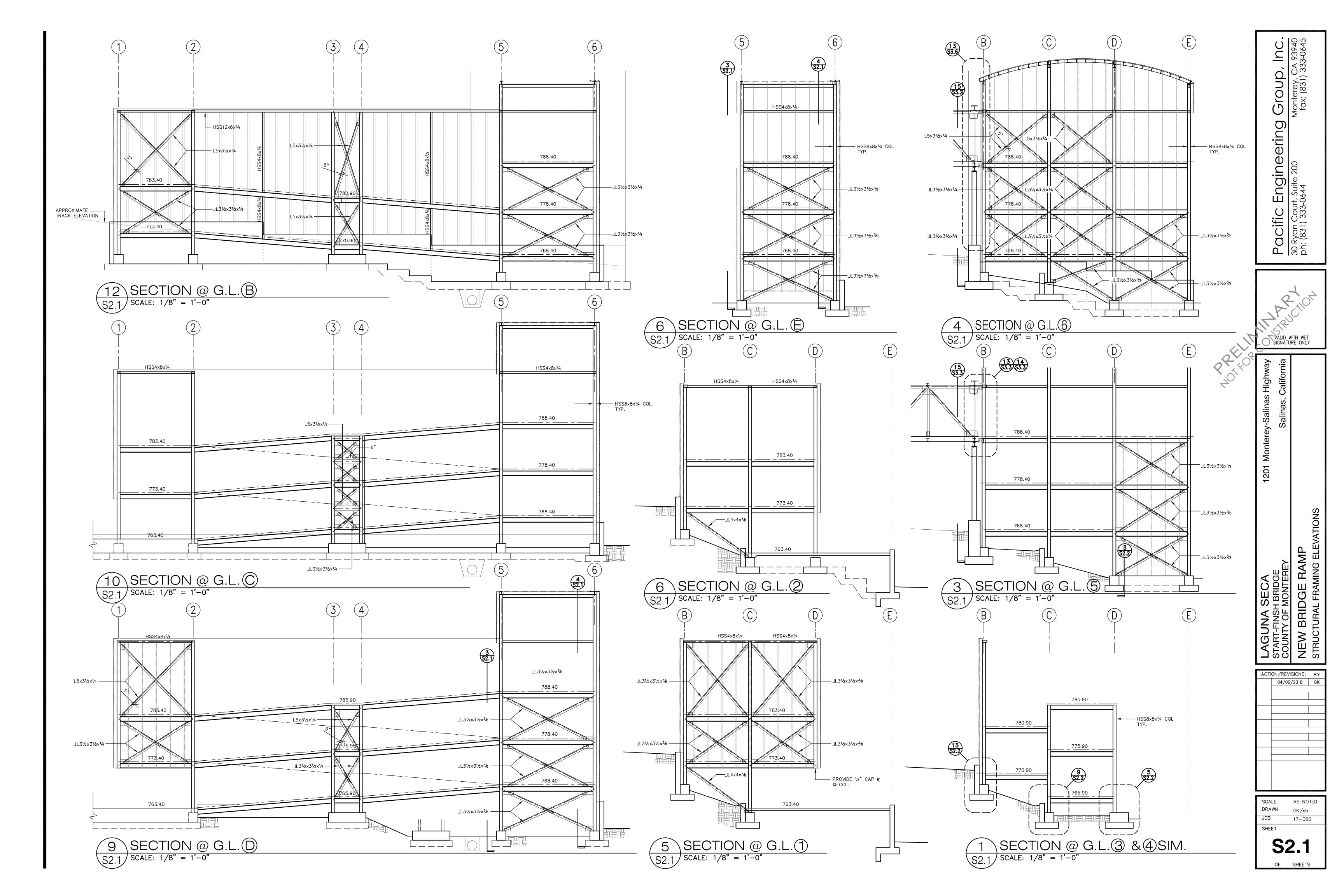
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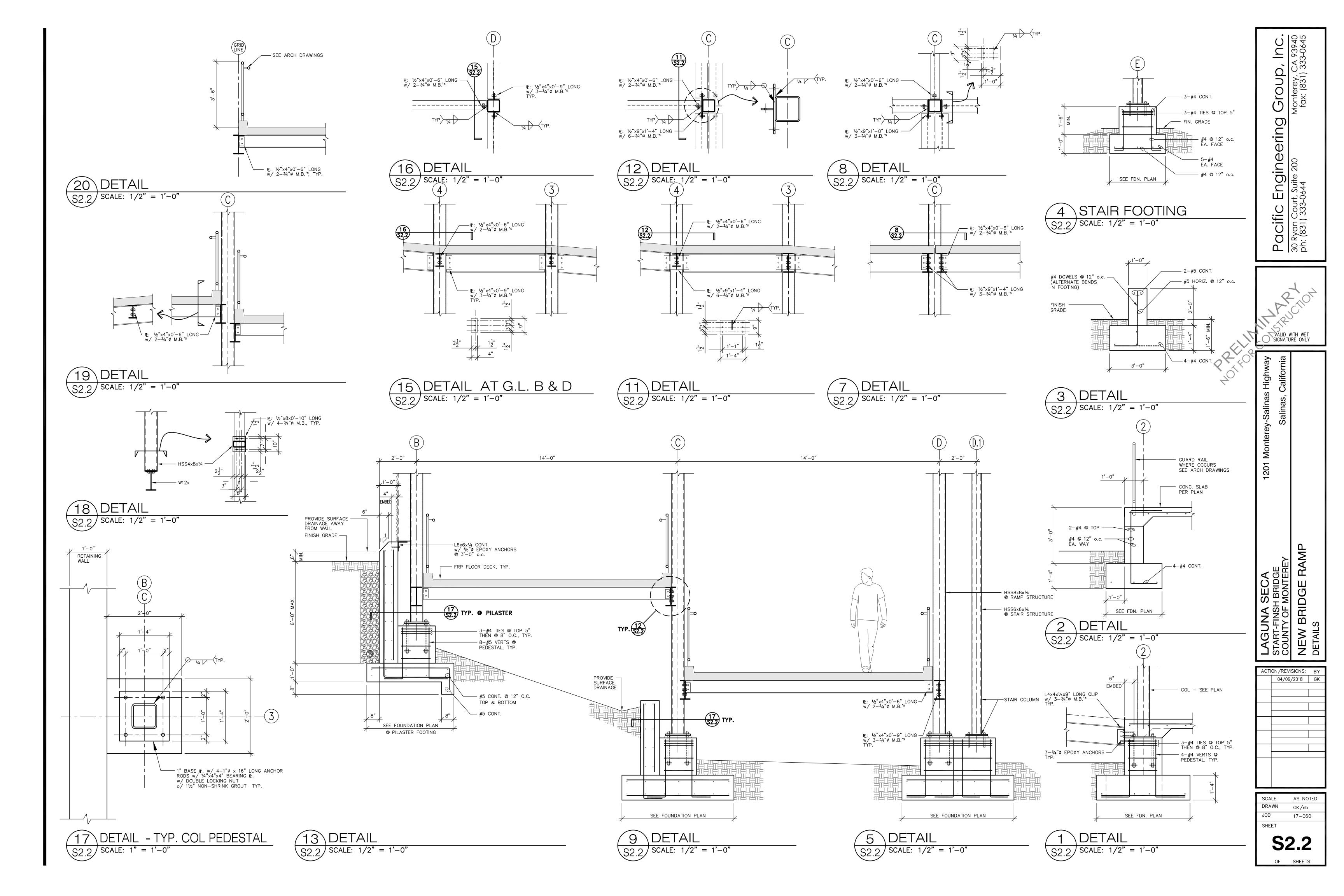
ACTION/REVISIONS: BY 04/06/2018 GK

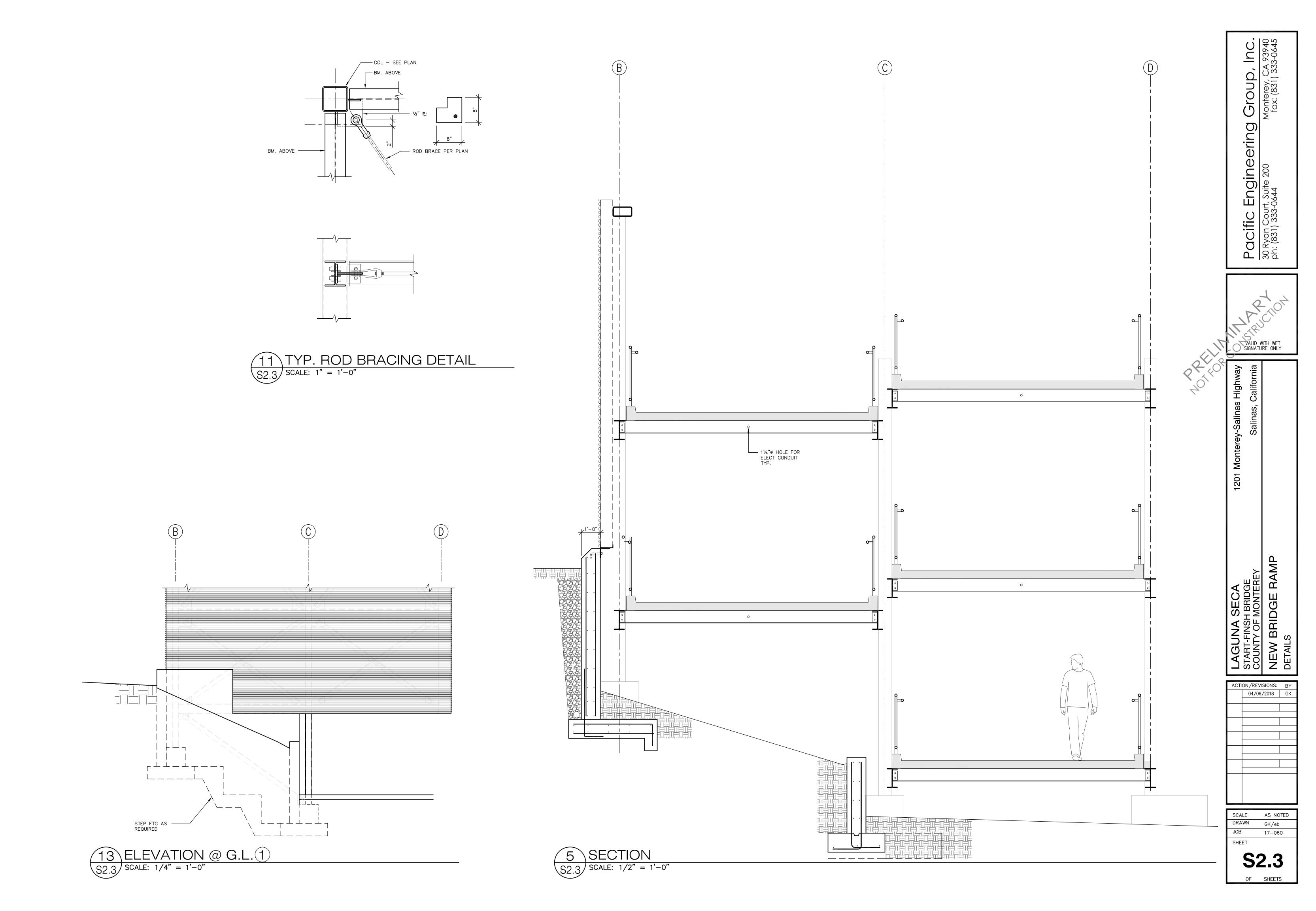
SCALE AS NOTED DRAWN GK/eb 17-060 SHEET

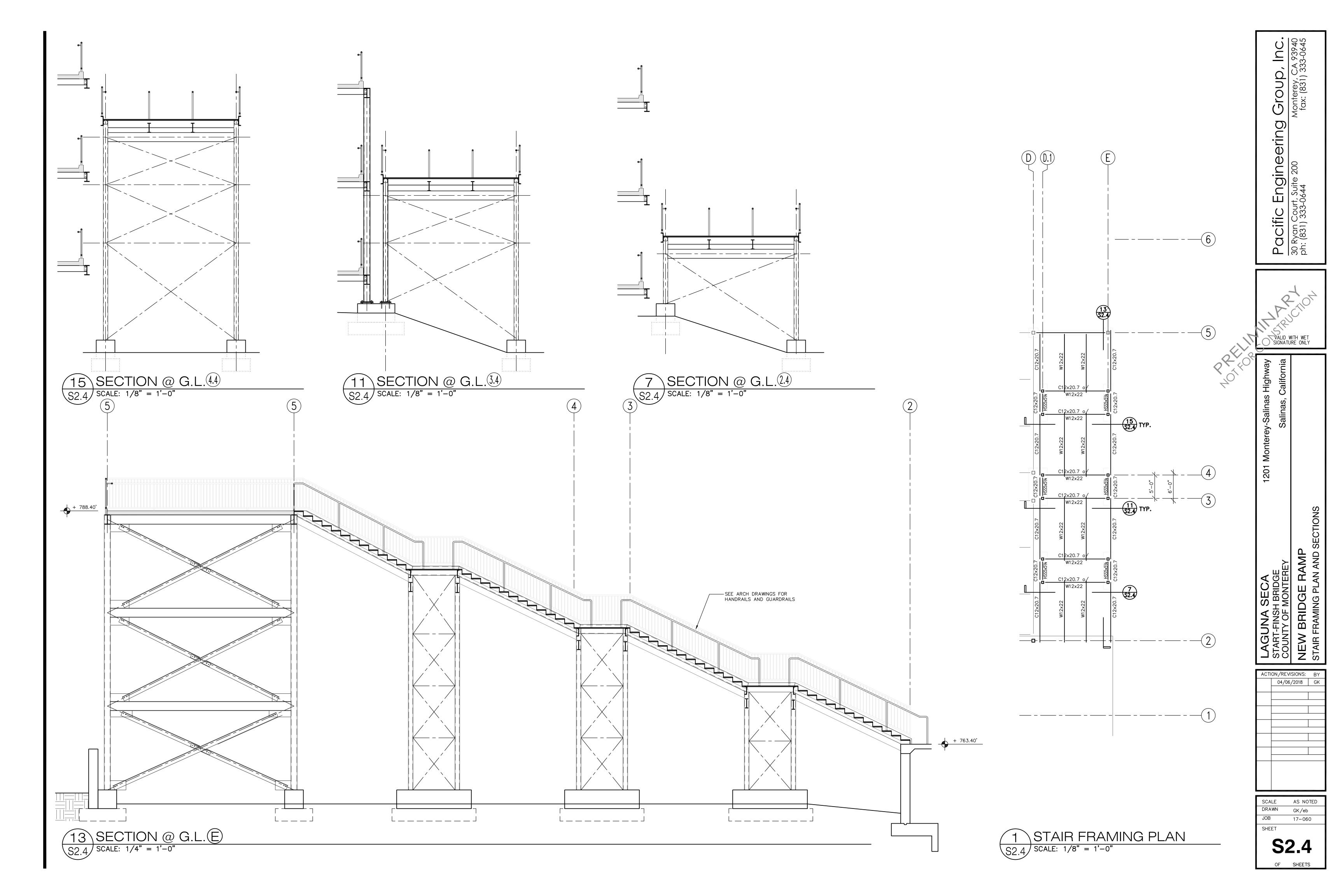
OF SHEETS

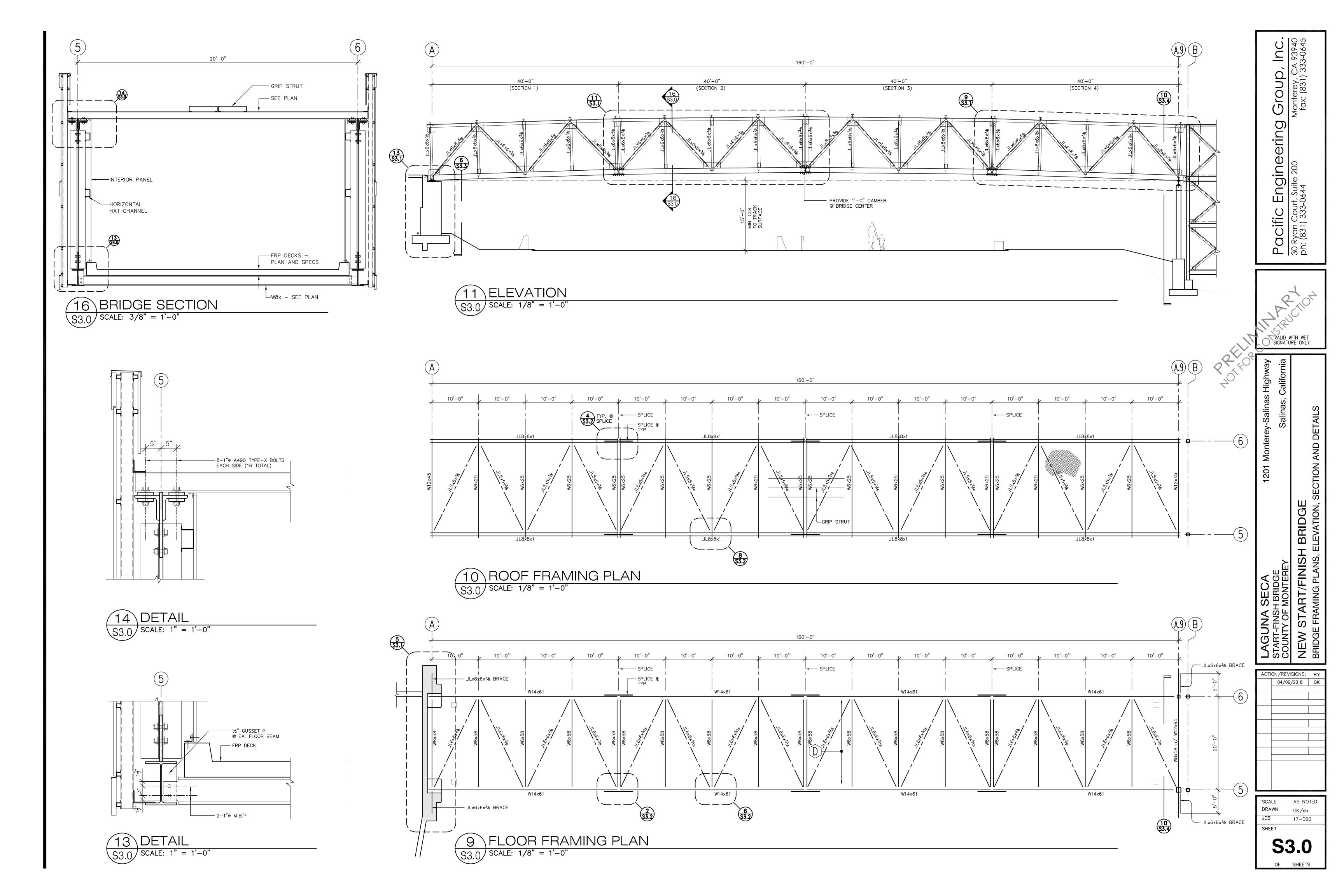


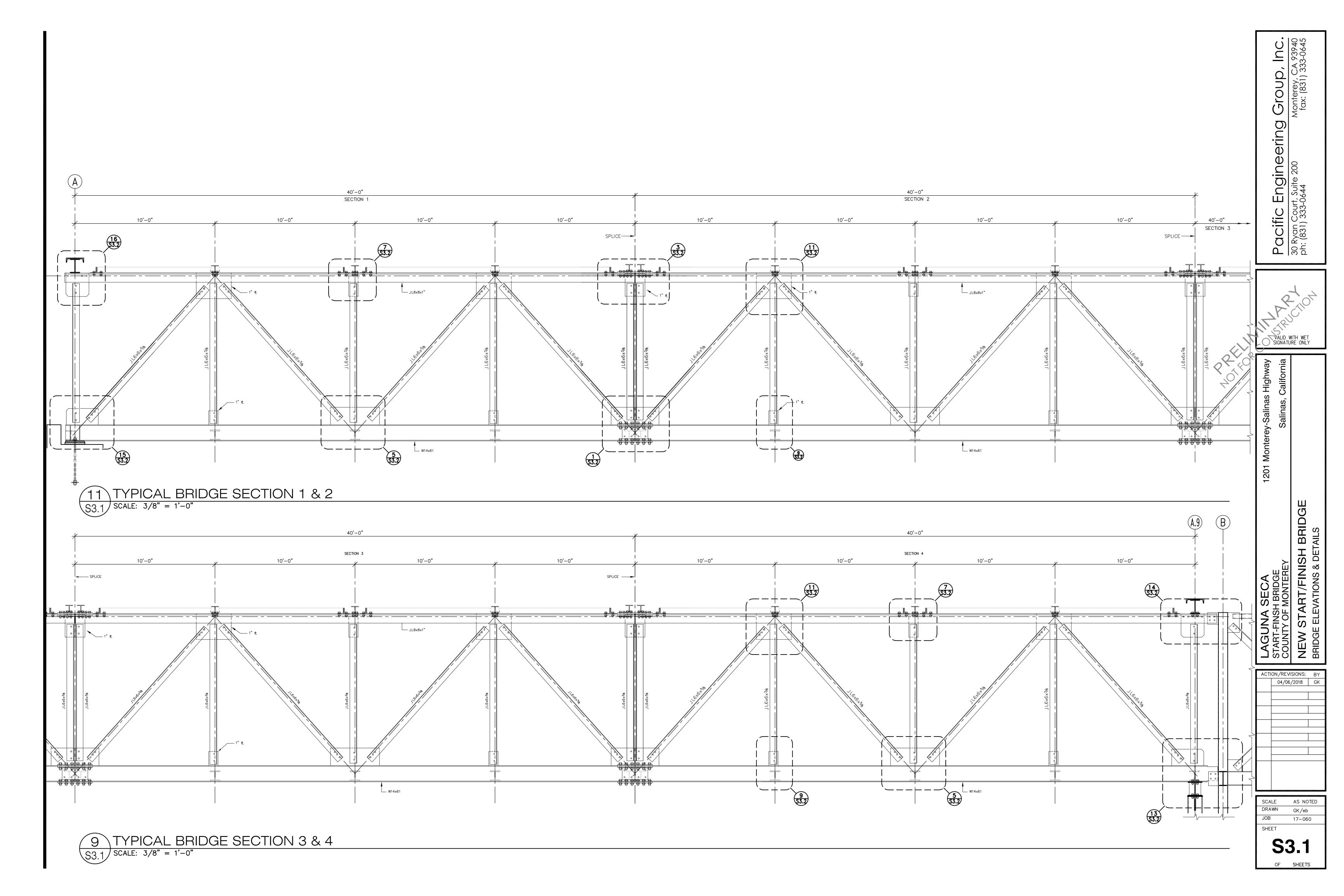


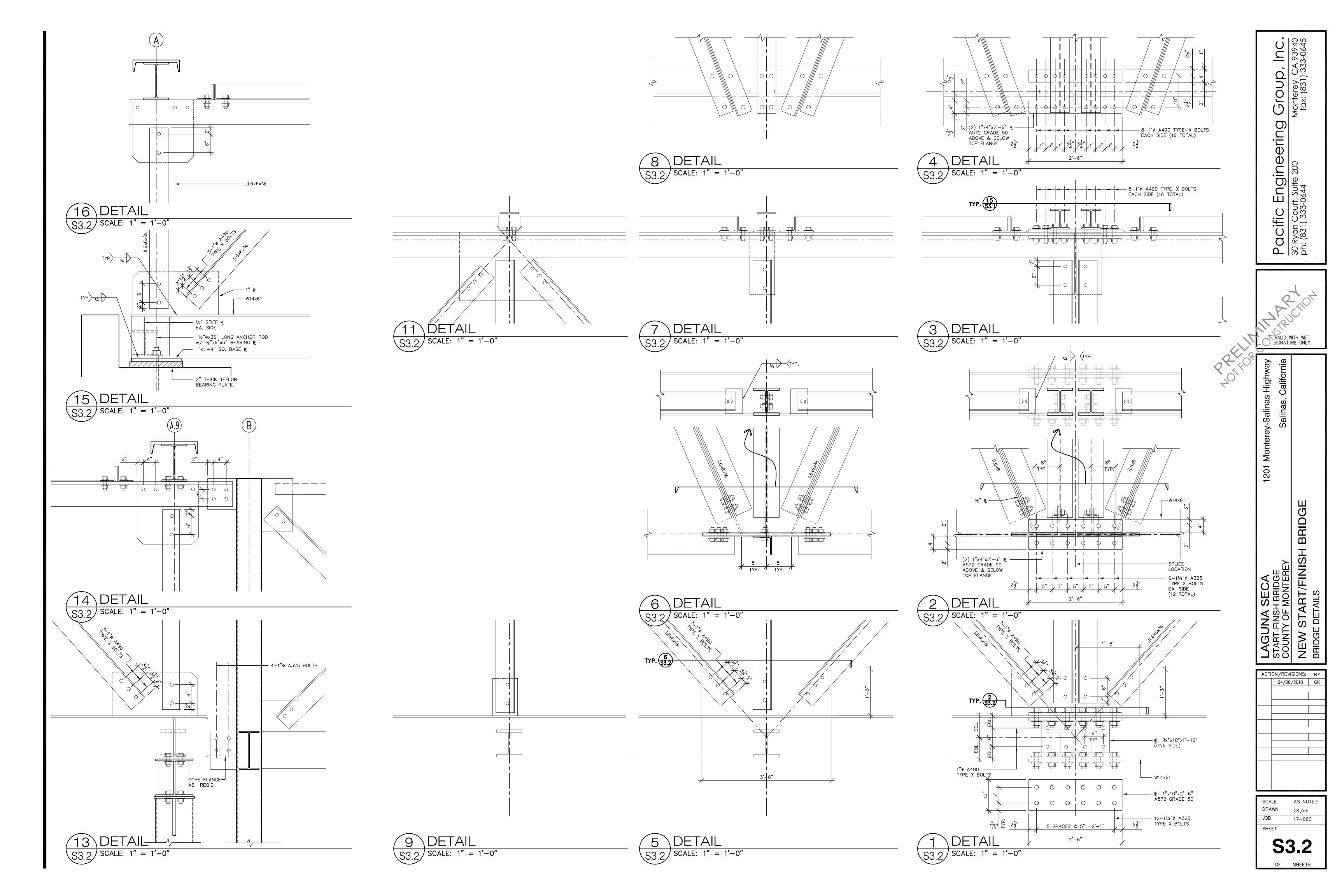


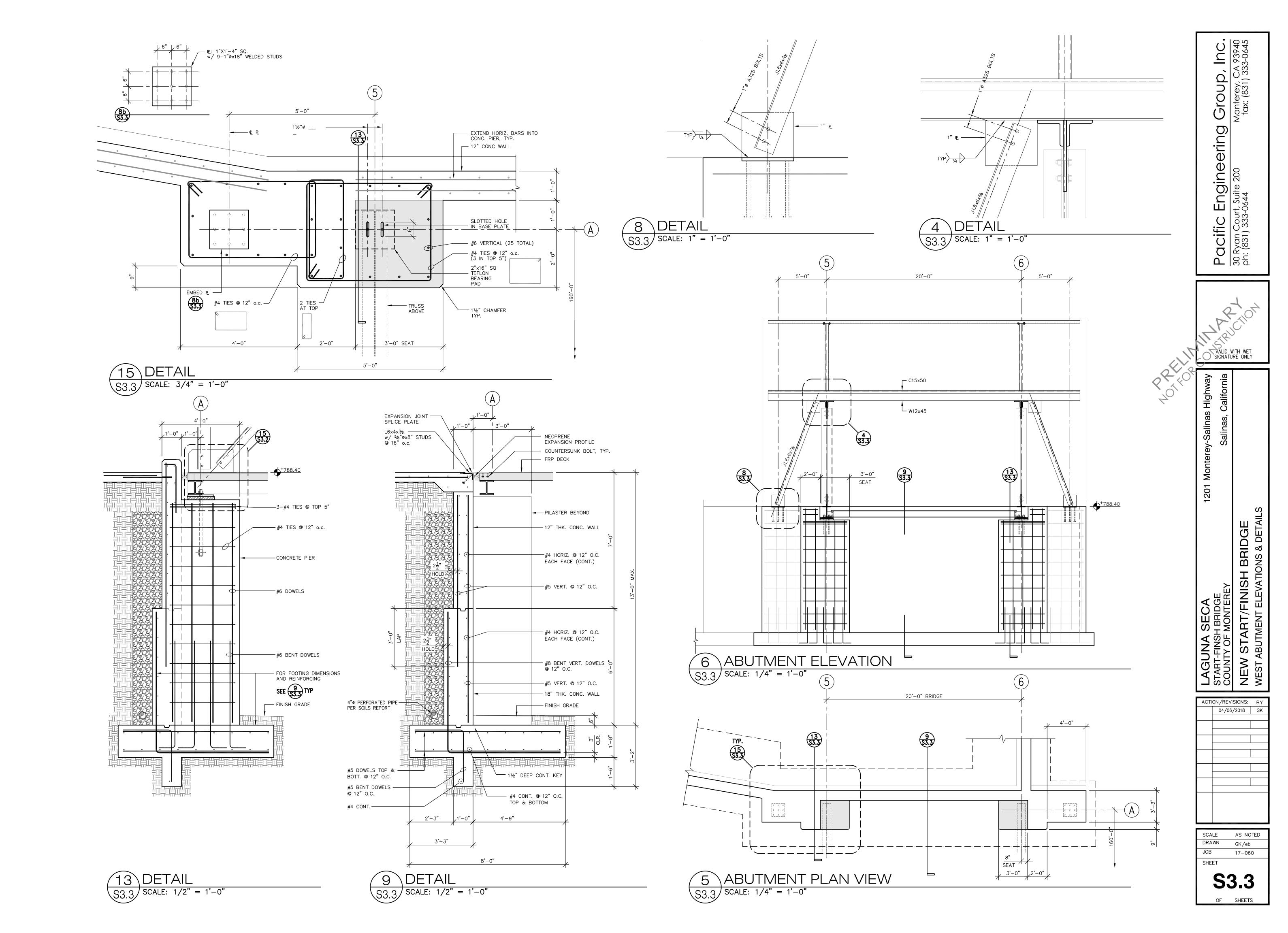


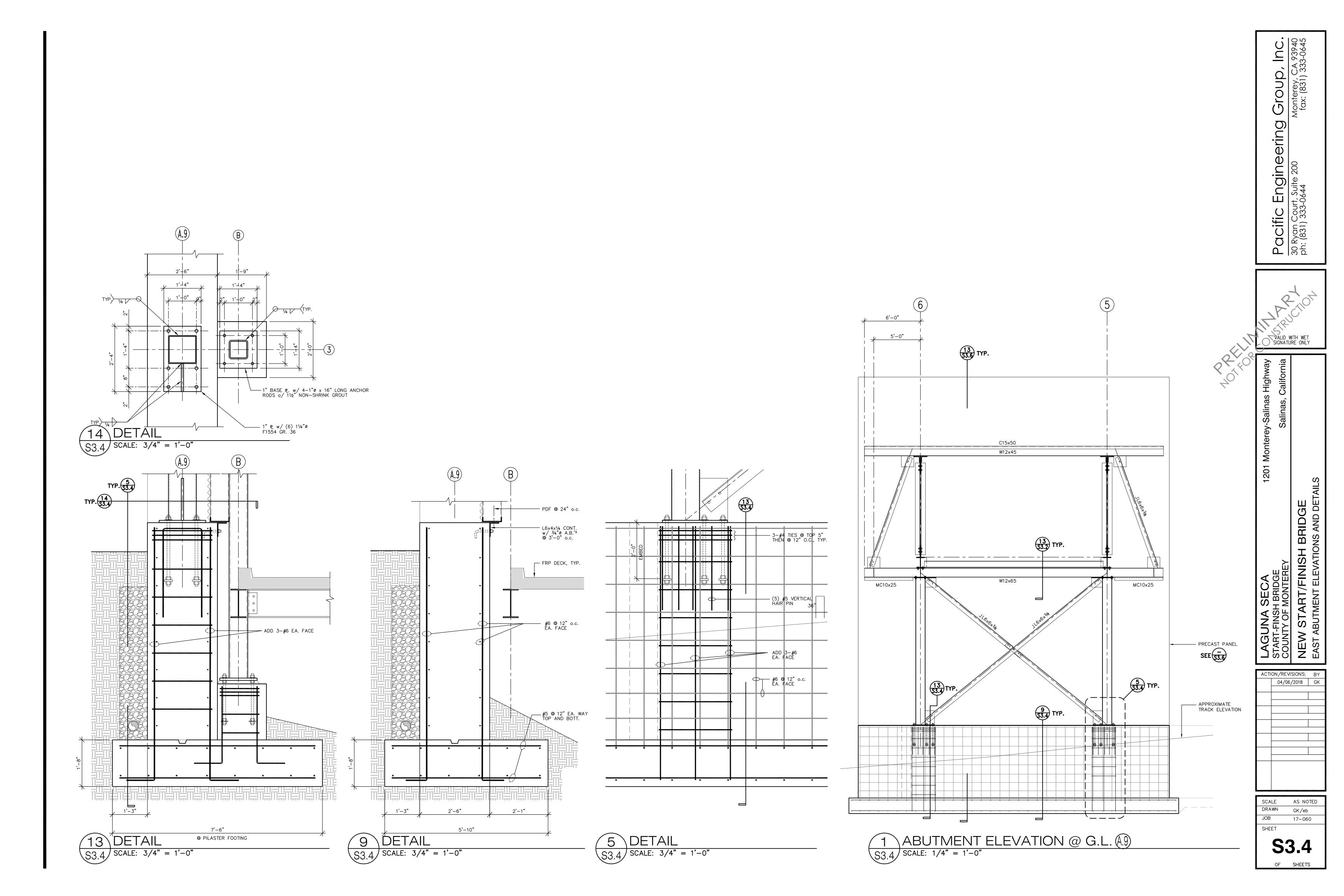


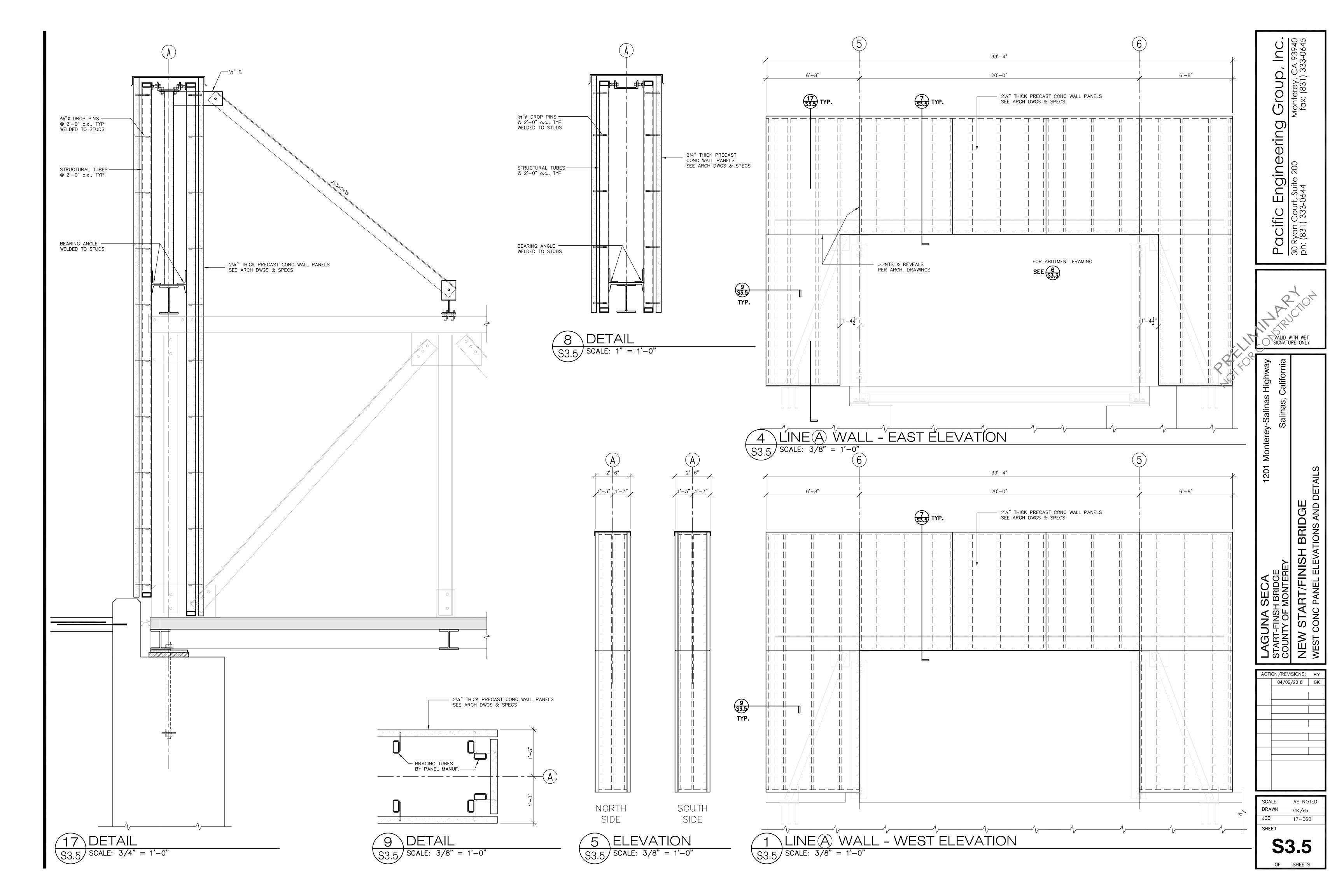


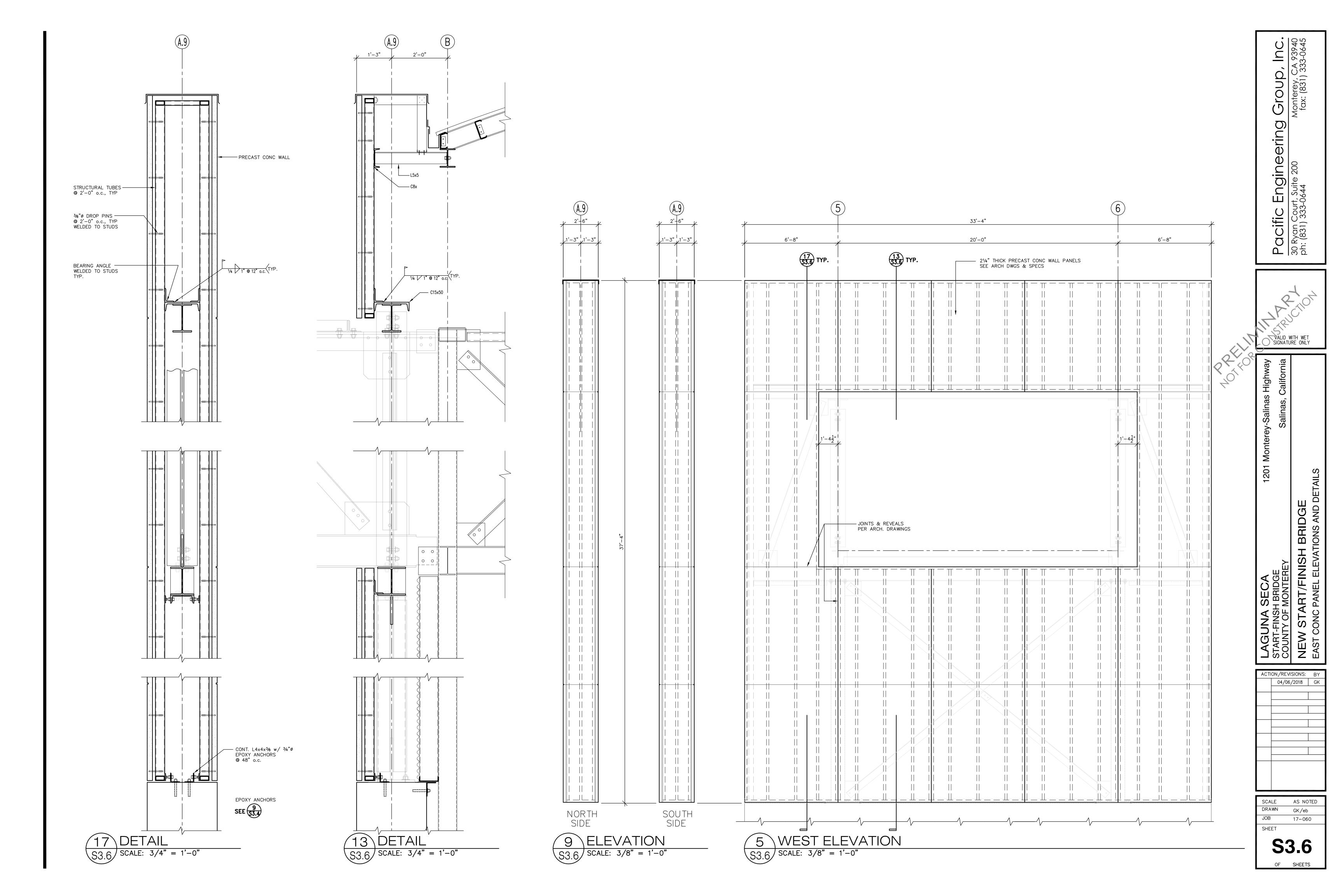


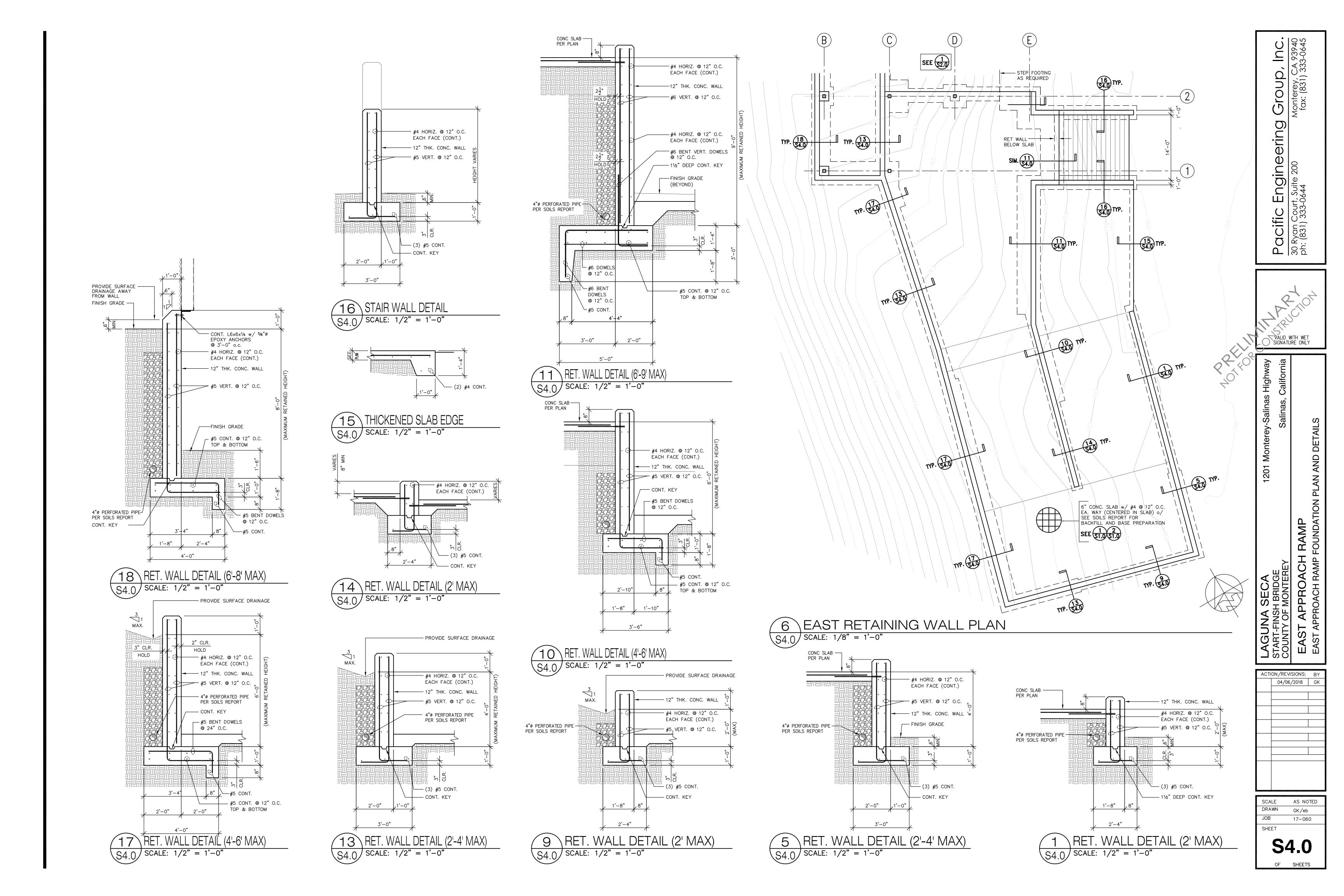


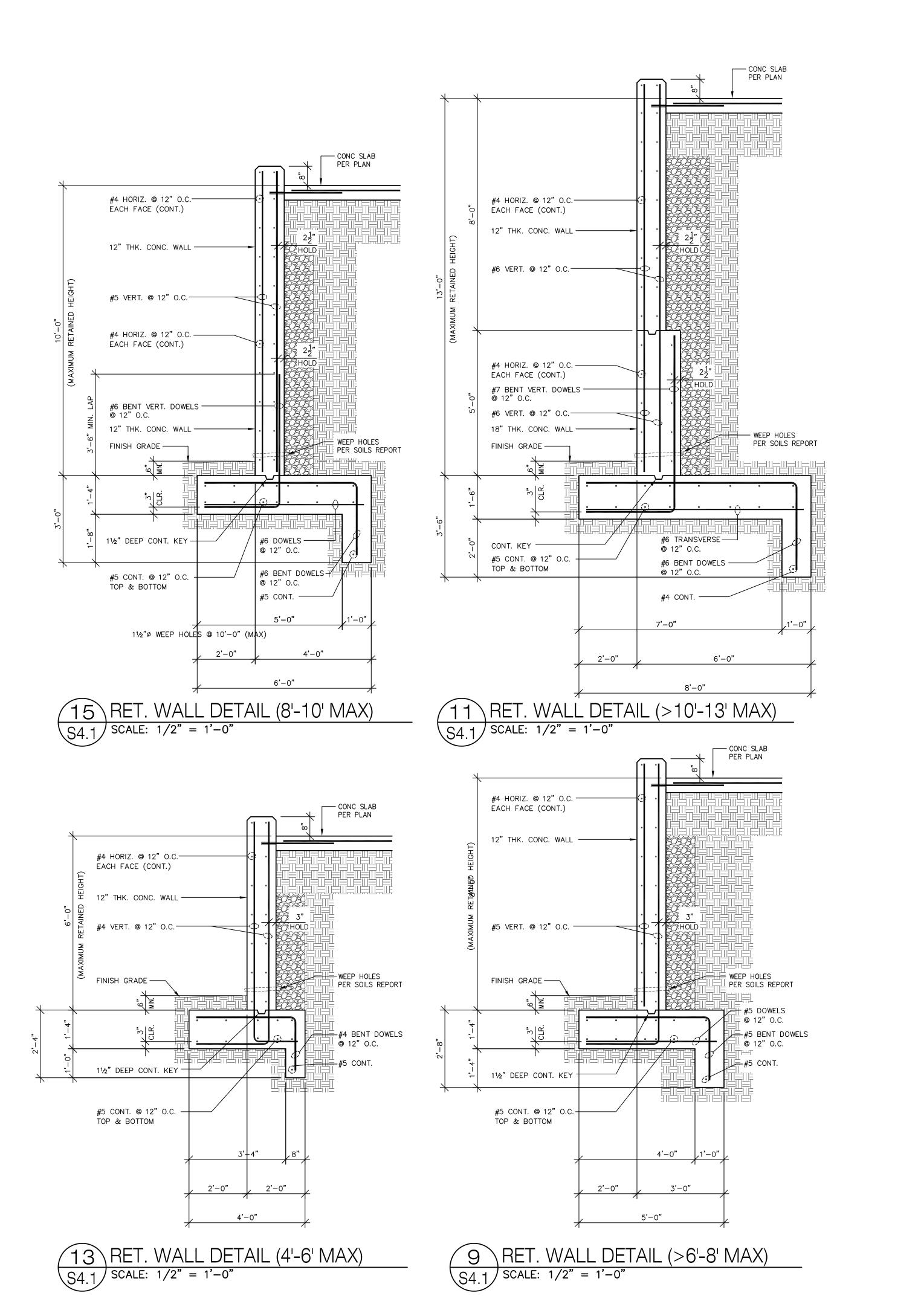


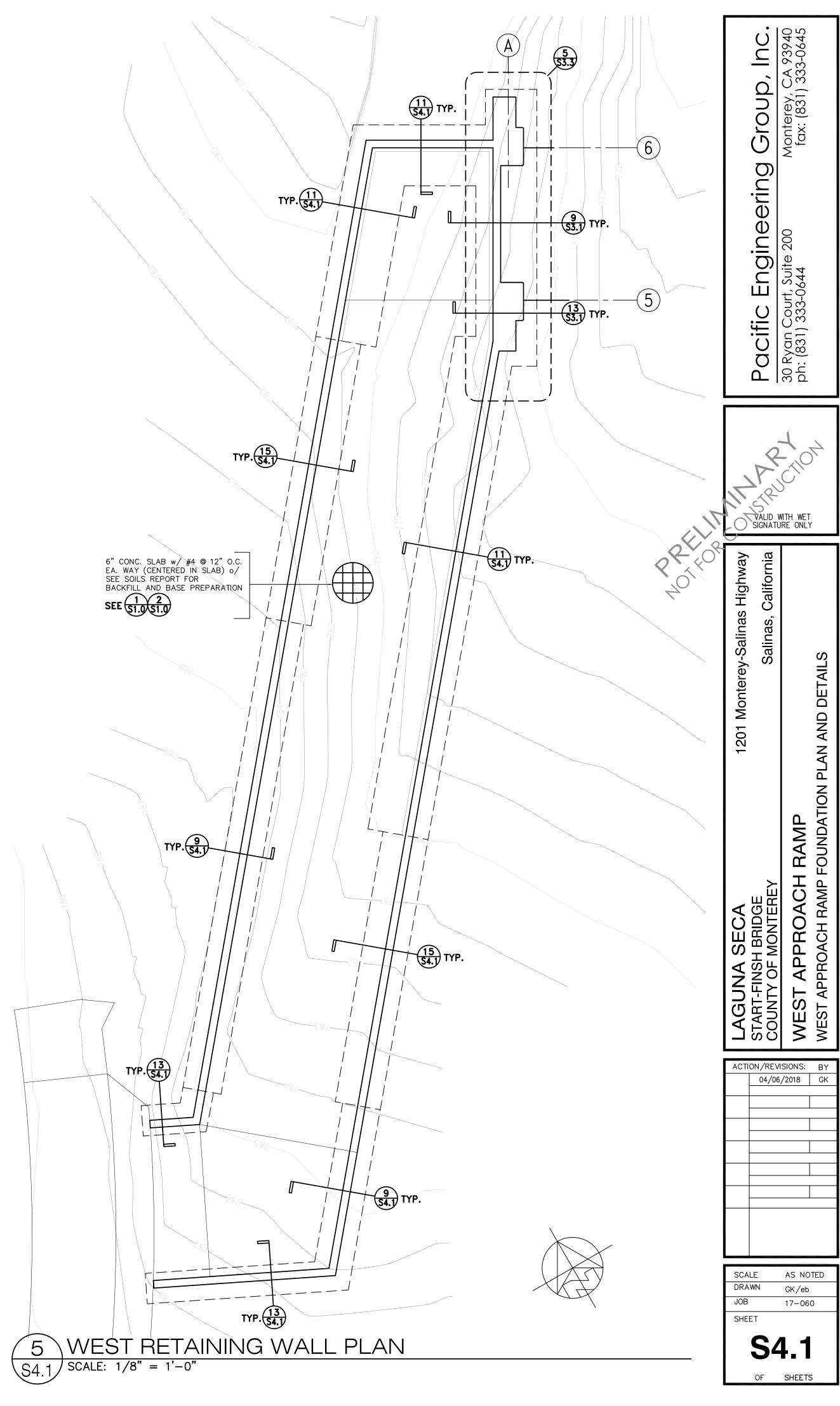


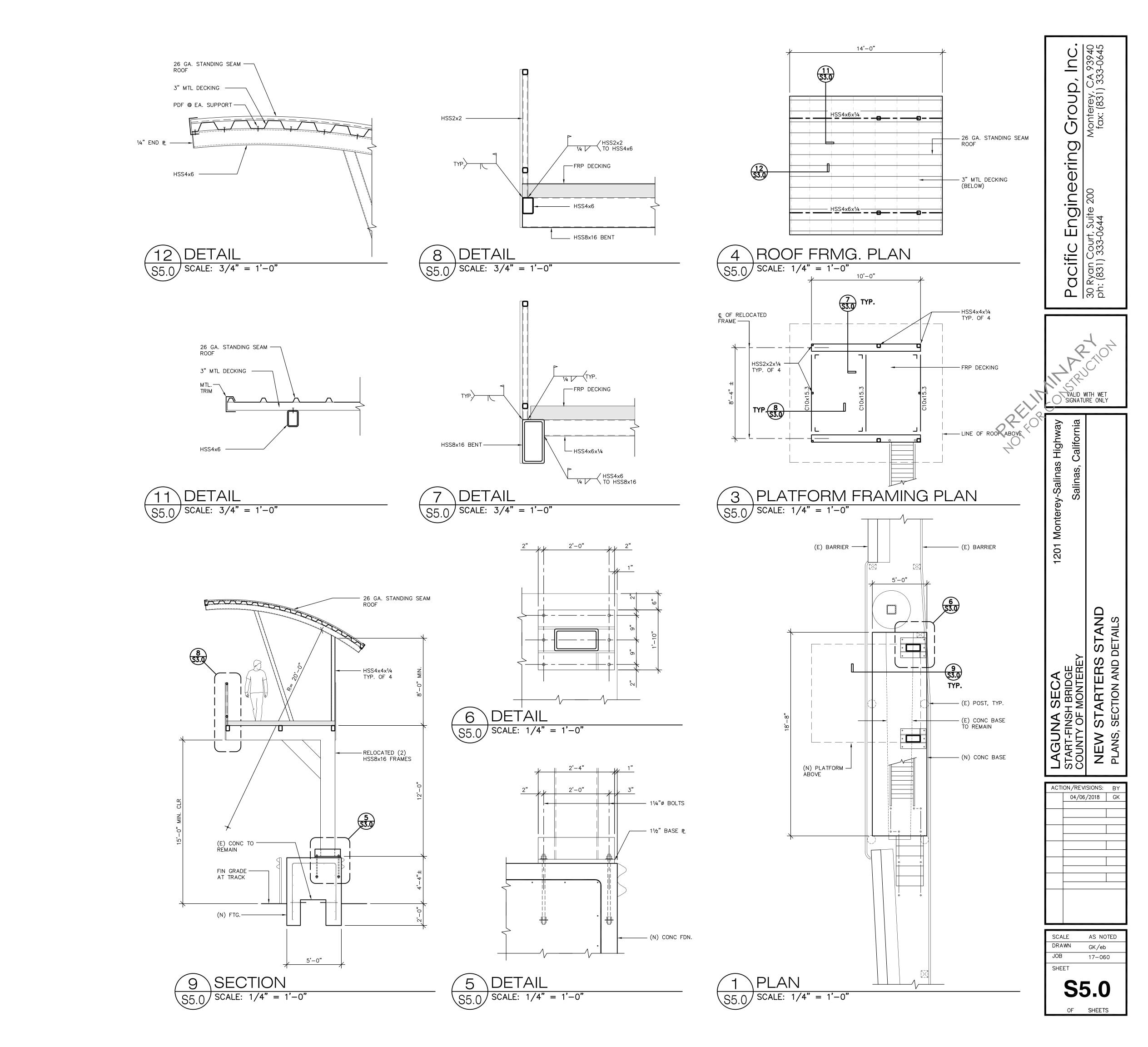












GENERAL CONSTRUCTION NOTES

- A CONTRACTOR SHALL VERIFY THE LOCATION OF ALL CONDUITS, PANELS, ETC. AND COORDINATE THEIR INSTALLATIONS WITH THE OTHER TRADES PRIOR TO STARTING ANY WORK. SEE APPROPRIATE ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, REFRIGERATION, FIRE SPRINKLER, AND ELECTRICAL DRAWINGS.
- B CONTRACTOR SHALL VERIFY REQUIREMENTS FOR ALL MECHANICAL, ELECTRICAL, AND OWNER FURNISHED EQUIPMENT PRIOR TO STARTING ANY WORK. THIS INCLUDES EXACT LOCATION, AMPS, VOLTAGE, AND PHASE. OBTAIN EQUIPMENT SUBMITTALS TO VERIFY EXACT STUB UP LOCATIONS.
- C PROVIDE #12 THWN PULL LINES IN ALL EMPTY CONDUITS 2" AND SMALLER AND 3/8" PULL ROPES IN CONDUITS LARGER THAN 2". CAP ALL CONDUIT STUBS AND TAG AS THE USAGE (IE: TELEPHONE, DATA, ETC.). THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND CONDUIT STUBS SHALL BE CLEARLY NOTED ON THE AS-BUILT PLANS.
- D ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST ADOPTED VERSIONS OF THE FOLLOWING CODES : NATIONAL ELECTRICAL CODE WITH CA AMENDMENTS, UBC WITH CA AMENDMENTS, UMC WITH CA AMENDMENTS, UFC WITH CA AMENDMENTS, CAL/OSHA LOW VOLTAGE ELECTRICAL SAFETY ORDERS, NFPA 72 NATIONAL FIRE ALARM CODE, NECA NATIONAL ELECTRICAL INSTALLATION STANDARDS, AND ALL APPLICABLE LOCAL LAWS AND REGULATIONS.
- E SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL ELECTRICAL WORK.
- F ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
- G ALL ELECTRICAL EQUIPMENT TO BE UL (OR EQUAL) LISTED AND APPROVED.
- H ALL WORK TO BE DONE BY A STATE OF CALIFORNIA LICENSED C-10 ELECTRICAL CONTRACTOR.
- J SYSTEMS AS REFERRED TO THROUGHOUT THESE DRAWINGS SHALL APPLY TO TIMING SYSTEM, PA SYSTEM, TELEPHONE SYSTEM, DATA / COMPUTER SYSTEM, CCTV, AND CATV SYSTEMS. SEE PLANS AND RISER DIAGRAMS FOR EXACT QUANTITIES AND TYPES OF SYSTEMS IN EACH CONDUIT, JOINT TRENCH, PULL BOX, TERMINAL CABINET, AND AT EACH BACKBOARD.
- K LABEL ALL EXTERIOR EQUIPMENT OUTLETS AND DISCONNECT SWITCHES WITH ENGRAVED PHENOLIC LABELS. LABELS TO INCLUDE PANEL AND CIRCUIT NUMBER.
- L LABEL ALL INTERIOR EQUIPMENT, OUTLETS, AND SWITCHES WITH P-TOUCH LABELING. LABELS TO INCLUDE PANEL AND CIRCUIT NUMBER. WHITE LABELS .5" WIDE WITH BLACK LETTERING
- M LABEL ALL INTERIOR PANELBOARDS, SWITCHBOARDS, MCC'S, FEEDER BREAKERS, TRANSFORMERS, AND DISCONNECT SWITCHES WITH PHENOLIC LABELS.
- N PROVIDE FAULT CURRENT LABELING FOR ALL EQUIPMENT PER CEC ARTICLE 110.24. USE FAULT CURRENT INFORMATION ON PLANS TO PRODUCE LABELS.
- P ALL EXPOSED CONDUIT TO BE RIGID STEEL STRAPPED USING SUPER STRUT, OR EQUAL STRAPS, MAXIMUM 10' ON CENTER UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- Q ALL FEEDER CONDUITS TO BE ROUTED EXACTLY AS SHOWN ON DRAWINGS.
- R ALL UNDERGROUND CONDUIT TO HAVE 24" MINIMUM COVER IN ALL AREAS.
- S MAINTAIN 6" CLEARANCE BETWEEN POWER AND SYSTEMS CONDUITS IN TRENCHES.
- T NEATLY TYRAP UNGROUNDED AND NEUTRAL CONDUCTORS FOR ALL MULTI WIRE BRANCH CIRCUITS OR PROVIDE LABELING WITH CIRCUIT NUMBER ON EACH CONDUCTOR & NEUTRAL PER CEC 210-4.
- U POWER AND SYSTEMS CUTOVERS TO BE DONE WHEN BUSINESS IS NOT OPERATING. NO OUTAGES AFFECTING POWER AND SYSTEMS DURING BUSINESS HOURS WILL BE PERMITTED.
- V LOCATE ALL (E) UNDERGROUND UTILITIES BEFORE CONSTRUCTION BEGINS. MARK ROUTE OF ALL NEW UTILITIES AND POTHOLE LOCATIONS WHERE CONFLICTS OCCUR. REPAIR OR REPLACEMENT OF DAMAGED UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- W PROVIDE BREAKER PADLOCK ATTACHMENT LOCK OFF'S FOR ALL LIGHTING CIRCUITS.
- X MEANS OF EGRESS SHALL BE ILLUMINATED WITH AT LEAST ONE-FOOT CANDLE AT FLOOR LEVEL.
- Y ALL LIGHTING BALLASTS AND DRIVERS TO HAVE INTEGRAL DISCONNECT DEVICES PER CEC 30-308(4).
- Z PROVIDE EXPANSION JOINTS PER CEC ARTICLE 300.4(H).
- AA EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE AND A MINIMUM AT ANY POINT OF 0.1 FOOT-CANDLE MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL.
- BB GROUND FAULT CIRCUIT INTERRUPTER (GFI) AND SPECIAL PURPOSE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION IS REQUIRED FOR RECEPTACLES AT BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, SINKS, INDOOR WET LOCATIONS, LOCKER ROOMS, GARAGES, AND SERVICE BAYS PER C.E.C. ARTICLE 210.8.
- CC ALL CONDUITS TO CONTAIN CODE SIZED, THWN, GREEN GROUND WIRE.
- DD ALL SUPPORT BRACKETS, STRUT, CLAMPS, NUTS, BOLTS, SCREWS, ETC. TO BE 304 STAINLESS STEEL.

	FIXTURE	SCHEDULE						
TYPE	DESCRIPTION	LAMP	MANUFACTURER AND CAT. NUMBER					
Α	15' POLE WITH ONE HEAD	44W LED	EATON #GPC-AF-01-LED-E1-SL2-GM-QM-800					
	44 WATTS	4000K	EATON #SSS-4-M-15-S-T-N-1 POLE					
В	15' POLE WITH ONE HEAD	44W LED	EATON #GPC-AF-01-LED-E1-5WQ-GM-QM-800					
	44 WATTS	4000K	EATON #SSS-4-M-15-S-T-N-1 POLE					
С	SURFACE MOUNT	30W LED	EATON G12-GRY-LD4-30W-40-CL-UNV-ED-C1-					
	30 WATTS	4000K	CSTG-GRY					
D	SURFACE MOUNT BEAMS	33.4W LED	EATON #IST-AF-600-LED-E1-T4FT-GM-					
	33.4 WATTS	4000K	MA1254-GM BACKBOX					
•								

GENERAL DEMOLITION NOTES

- 1 AS USED HEREAFTER, 'RACEWAY' SHALL MEAN ANY RIGID, EMT, FLEXIBLE CONDUIT, WIREMOLD, MC CABLE, ETC. 'WIRING' SHALL MEAN ANY CABLE. INDIVIDUAL CONDUCTOR, OR ROMEX USED FOR SERVICE RISERS. FEEDERS. BRANCH
- 2 REMOVAL SHALL INCLUDE WIRING, RACEWAYS, BOXES, RECEPTACLES, SWITCHES, LIGHT FIXTURES, PANELBOARDS, SYSTEMS OUTLETS, SYSTEMS WIRING, ETC. TO THE EXTENT INDICATED ON THE PLANS AND HEREAFTER.
- 3 WHERE REMOVAL OF DEVICES, FIXTURES, OR EQUIPMENT IS INDICATED, IT SHALL INCLUDE ALL ASSOCIATED WIRING TO THE NEXT REMAINING ACTIVE DEVICE, FIXTURE, OR JUNCTION POINT, U.O.N. THOSE PORTIONS OF ASSOCIATED CONDUIT RUNS RENDERED EXPOSED BY DEMOLITION WORK SHALL BE REMOVED U.O.N.
- 4 ALL REMOVED MATERIALS (DEVICES, FIXTURES, WIRING, CONDUIT, BOXES, ETC.) BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR & SHALL BE REMOVED FROM THE OWNERS PREMISÉS U.O.N.
- 6 CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING TOTAL QUANTITIES & LOCATIONS OF EXISTING ELECTRICAL &
- 7 WHERE EXISTING CIRCUITS OR PORTIONS OF CIRCUITS (POWER, LIGHTING & SYSTEMS WIRING) ARE TO REMAIN, CARE SHALL BE TAKEN TO SEE THAT THESE CIRCUITS HAVE NOT BEEN DISCONNECTED OR RENDERED INOPERATIVE DURING DEMOLITION OR CONSTRUCTION. WHEN AND IF A CIRCUIT TO REMAIN HAS BEEN RENDERED INOPERATIVE, THE ELECTRICAL CONTRACTOR SHALL RESTORE THE CIRCUIT TO OPERATION.
- 8 WHERE OUTLETS AND CONDUITS TO BE REMOVED CONTAIN TELEPHONE OR SYSTEMS WIRING, SUCH WIRING SHALL BE REMOVED BY THE ELECTRICAL CONTRACTOR.
- 9 REMOVAL OF OVERHEAD WIRING SHALL INCLUDE CONDUIT, PULL CANS, CONDULETS, REMOVAL OF WIRING PER DEMO NOTES ABOVE, AND PATCHING AND PAINTING BUILDING PENETRATIONS TO MATCH (E) SURFACES.
- 10 ALL FIBER OPTIC CABLING TO BE REMOVED BY LAGUNA SECA VENDOR / CONTRACTOR.

- CIRCUITS, SYSTEMS WIRING, OR EQUIPMENT CONTROL.
- 5 NO ITEM OF ELECTRICAL MATERIAL OR EQUIPMENT REMOVED UNDER THIS CONTRACT SHALL BE REUSED FOR NEW WORK UNLESS OTHERWISE SPECIFICALLY AUTHORIZED BY THE ELECTRICAL CONSULTANT.
- EXTENT OF REMOVAL REQUIRED.

SYMBOLS AND ABBREVIATIONS <u>LIGHT_FIX</u>TURES CONDUIT / WIRING ----- CONCEALED IN WALLS OR CEILING RECESSED FLUORESCENT OR INCAND. ---- EXPOSED FLUORESCENT, T-BAR GRID — UNDER SLAB OR UNDERGROUND FLUORESCENT, SURFACE MOUNT ← HOMERUNS TO PANEL SURFACE MOUNT \vdash WALL BRACKET $\sqrt{\Box}$ MISCELLANEOUS / ABBREVIATIONS EMERGENCY LIGHT SITE LIGHT ARM MOUNT MOTOR CONNECTION EXIT D DISCONNECT SWITCH EXIT LIGHT MAGNETIC MOTOR STARTER <u>SWITCHES</u> COMBINATION MAG. STARTER & DISC. SW. SPST +48" S2 2-POLE +48" SHEET NOTE I.D. TAG S3 3-WAY +48" EQUIPMENT I.D. TAG S4 4-WAY +48" SWITCHGEAR OR MCC WALL OCCUPANT SENSOR +48" PANEL BOARD Sk KEY OPERATED SWITCH +48" S a SUBSCRIPT INDICATES CONTROL ⇒ 3 # ADJACENT TO SYMBOL IS CIRCUIT Sd INCANDESCENT DIMMER +48" AFF ABOVE FINISHED FLOOR O OCCUPANT SENSOR AFG ABOVE FINISHED GRADE ARCH ARCHITECT → SINGLE RECEPTACLE +18" CONDUIT → DUPLEX RECEPTACLE +18" CONDUIT ONLY ⇒g GFI DUPLEX RECEPTACLE +18" CONT. CONTRACTOR FOURPLEX RECEPTACLE +18" DISC. DISCONNECT FLOOR RECEPTACLE (E) EXISTING POWER OUTLET +18" ELECTRICAL CONTRACTOR CLOCK OUTLET +8' TO CENTER ELEC. ELECTRIC WALL TELEPHONE OUTLET +48"

FA FIRE ALARM FLOOR TELEPHONE OUTLET FACP FIRE ALARM CONTROL PANEL CATV OUTLET +18" FBO FURNISHED BY OTHERS, INSTALLED BY EC FLOOR CATV OUTLET

FLOUR FLOURESCENT DATA/TELEPHONE OUTLET +18" GR GROUND FLOOR DATA/COMPUTER OUTLET GFI/g GROUND FAULT INTERRUPTER MULTI MEDIA OUTLET +18" MECH MECHANICAL FLOOR MULTI MEDIA OUTLET

THERMOSTAT +48" NIC NOT IN CONTRACT JUNCTION BOX NL NIGHT LIGHT RECEPT. MT. ABOVE COUNTER +46" UON NTS NOT TO SCALE ⇒g GFI RECEPT. MT. ABOVE COUNTER +46" UON PROVIDE FURNISH AND INSTALL SPEAKER +8' TO CENTER PHASE SWITCH INTERCOM CALL BUTTON +48"

SWBD SWITCH BOARD

WP WEATHERPROOF

XFMR TRANSFORMER

TELEVISION

UNDERGROUND

UON UNLESS OTHERWISE NOTED

INTRUSION/SECURITY SYSTEM

⊕ CEILING MOUNT MOTION DETECT

WALL MOUNT MOTION DETECT.

KEYPAD CONTROL +48"

Ø DOOR CONTACT SWITCH

■ INTRUSION ALARM HORN

TELE TELEPHONE

M MICROPHONE & OUTLET FIRE ALARM MANUAL PULL STATION +48" A .F.F. HEAT DETECTOR

SMOKE DETECTOR ☐ HORN +90" HORN STROBE +84" ② DUCT DETECTOR TAMPER SWITCH

O-✓ FLOW SWITCH STROBE +84" AFF $\widehat{\Pi}$ BELL M(S) SMOKE/CARBON MON. DET.

C CAMERA * SYMBOLS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS. * ALL MEASUREMENTS ARE TO TOP OF OUTLET BOX AFF UON.

* T-1 ADJACENT TO ⋈ OUTLET INDICATES # OF TELEPHONE PORTS. * D-1 ADJACENT TO ⋈ OUTLET INDICATES # OF DATA PORTS. * RECEPTACLES TO BE MINIMUM 15" TO BOTTOM OF OUTLET BOX.

* SWITCHES AND RECEPTACLES ABOVE COUNTERS TO BE 46" MAX TO TOP OF OUTLET BOX.

DRAWING INDEX

NOTES, FIXTURE SCHEDULE, SYMBOLS. AND DRAWING INDEX

* ALL MOUNTING HEIGHTS TO COMPLY WITH CBC 1142A.

DESCRIPTION

SITE PLAN

DETAILS

TITLE 24

TITLE 24

LIGHTWORKS, INC.

26403 Lucie Lane

Salinas, CA 93908

ltwks@aol.com

PH. 831-596-3667

SITE DEMOLITION PLAN

BRIDGE LIGHTING PLAN

RAMP & STAIRS LIGHTING PLAN

IN ASSOCIATION WITH:

MIRACLES UNLIMITED, INC.

Aptos, CA 95001-1808

PH. 831-688-8013

Fax. 831-688-0201

PO Box 1808

E1.1

E1.2

E2.1

E2.2

E4.1

E4.2

E4.3

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA.

APN: 173-011-023-000





The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



Drawn By

Drawing Date:

Project Number:

Revisions:

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NOTES, FIXTURE SCHED, SYMBOLS, AND DWG INDEX

Sheet Number:

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CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

E0.⁻

KEYED ELECTRICAL NOTES SHEET E1.1

1 (E) SCORING AND TIMING BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS AND REMOVED BY EC.

RÉMOVED BY EC. 3 (E) SOUND SYSTEM BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY

OTHERS AND REMOVED BY EC. 4 (E) MEDIA CENTER BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY

OTHERS AND REMOVED BY EC. 5 (E) STEWARDS BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS

ÀND REMOVED BY EC.

6 (E) LOOP TO TIMING AND SCORING.

7 (E) TIMING LIGHTS TO BE REMOVED AND RELOCATED.

8 (E) SYSTEMS CABINET TO BE REMOVED. 9 (E) STOP START LIGHTS TO BE REMOVED AND RELOCATED.

10 (E) PULL BOXES TO REMAIN.

11 (E) 4" SYSTEMS CONDUIT. REMOVE (E) WIRING.

12 (E) N-9 SYSTEMS BOX. REMOVE (E) WIRING. 13 (E) 4-2" SYSTEMS CONDUITS. REMOVE (E) WIRING.

14 (E) SYSTEMS BOX.

15 (E) 4" SYSTEMS CONDUIT TO NORTH GARAGE BUILDINGS. 16 (E) POWER PULL BOX.

17 (E) 4' SYSTEMS CONDUIT REMOVE (E) WIRING. 18 (E) SYSTEMS PULL BOX.

19 (E) 3-6" SYSTEMS CONDUITS. REMOVE (E) WIRING FROM NOTE 19 TO NOTE 20.

20 (E) SYSTEMS PULL BOX. 21 (E) TELEPHONE COMPANY POLE TO BE REMOVED.

22 (E) SYSTEMS PULL BOX.

23 (E) 2" CONDUIT WITH 1-50 PAIR, 1-25 PAIR, AND 3-CAT 5 CABLES. REMOVE (E) WIRING. 24 (E) PRIMARY VAULT TO REMAIN.

25 (E) MAIN SWITCHBOARD.SEE DETAIL 5/E4.1. 26 (E) SYSTEMS PULL BOX.

27 (E) TELEPHONE COMPANY PEDESTAL TO BE REMOVED.

28 (E) SYSTEMS PULL BOX.

29 (E) SYSTEMS TERMINAL CABINETS AT STARTERS STATION. REMOVE ALL SYSTEMS AND POWER

30 (E) N-9 PULL BOX TO BE REMOVED.

31 (E) 2" CONDUIT REMOVE (E) SYSTEMS WIRING. 32 REMOVE (E) SYSTEMS WIRING ON FENCE. 1-25 PR, 2-CAT 5, 3-RG11, AND 3-14/2 SPEAKER

33 (E) 4" CONDUIT STUBBED UP AT GATE.

34 (E) 4" CONDUIT. REMOVE (E) SYSTEMS WIRING SAME AS NOTE 32 TO NOTE 35. 35 (E) 4" CONDUIT STUB.

36 (E) 2-6" SYSTEMS CONDUITS. SEE DETAIL 1/E1.2.

37 REMOVE (E) 2-60 AMP POWER OUTLETS. CONDUIT, AND WIRING TO NOTE 46. 38 (E) 2" SYSTEMS CONDUITS. REMOVE (E) WIRING.

39 REMOVE (E) PULL BOX AT BRIDGE AND ALL WIRING.

40 REMOVE (E) 6-1.25", 2-2" SYSTEMS CONDUITS, AND 2-.75" POWER CONDUITS AND ALL WIRING ACROSS BRIDGE. REMOVE ALL (E) SYSTEMS WIRING LAYING ON BRIDGE ROOF AND SUSPENDED UNDER BRIDGE. REMOVE ALL SPEAKERS DNA TURN OVER TO MC CUNE 41 REMOVE ALL CONDUITS, PULL CANS, AND WIRING ON BRIDGE ABUTMENT. 11-1.5", 2-3", AND

42 REMOVE ALL CONDUITS, PULL CANS, AND WIRING ON MC CUNE BUILDING. PATCH HOLES AS

43 REMOVE ALL CONDUITS, PULL CANS, AND WIRING ON SCORING AND TIMING BUILDING. PATCH HOLES AS REQUIRED.

44 (E) POWER POLE. 45 REMOVE (E) OVERHEAD SYSTEMS WIRING FROM CORNER OF BRIDGE TO NOTE 44.

46 (E) 120/208 VOLT PANEL AND PULL CANS. REMOVE (E) POWER CORDS TO BRIDGE. SEE DETAIL

47 REMOVE (E) 2" CONDUIT TO NOTE 21 AND SYSTEMS WIRING. 48 (E) JOINT UTILITY COMPANY POLE.

49 (E) PG&E PRIMARY CONDUIT AND WIRING FROM NOTE 24 TO NOTE 48 TO BE RELOCTED. SEE DETAIL1/E1.2.

50 REMOVE (E) VERTICAL CONDUIT RISERS FROM BRIDGE AND ALL SYSTEMS WIRING. 51 REMOVE (E) OVERHEAD SYSTEMS WIRING FROM NOTE 50 TO MEDIA CENTER BUILDING.

52 REMOVE (E) SYSTEMS WIRING LAYING ON GROUND INTO BUILDING.

53 REMOVE (E) SYSTEMS WIRING LAYING ON ROOF AND DOWN TO NOTE 54.

54 (E) SYSTEMS CAN. 55 (E) 4" UG CONDUIT. REMOVE ALL UNUSED AND ABANDONED SYSTEMS WIRING.

56 (E) IDF IN STEWARDS BUILDING. 57 (E) OVERHEAD PRIMARY WIRING TO BE RELOCATED UNDERGROUND. SEE DETAIL 1/E1.2.

58 (E) 4" CONDUIT WITH 1-50 PAIR CABLE TO BE REMOVED AND RELOCATED.

GENERAL NOTES

A LETTER AND NUMBER ADJACENT TO OUTLETS INDICATES PANEL AND CIRCUIT NUMBER TYPICAL. B ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT.

C ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE

D ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).

E ALL SYSTEMS WIRING WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.

F ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES. G ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES.

LAGUNA SECA START-FINISH **BRIDGE**

Project / Owner:

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA.

APN: 173-011-023-000



The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



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1725 Project Number:

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SITE DEMO PLAN

E1.1

IN ASSOCIATION WITH:

LIGHTWORKS, INC. 26403 Lucie Lane PO Box 1808 Salinas, CA 93908 PH. 831-688-8013 Fax. 831-688-0201 PH. 831-596-3667

MIRACLES UNLIMITED, INC. Aptos, CA 95001-1808

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KEYED ELECTRICAL NOTES SHEET E1.2

- (E) SCORING AND TIMING BUILDING.

- (E) SCORING AND TIMING BUILDING.
 (E) DATA CLOSET.
 (E) SOUND SYSTEM BUILDING.
 (E) MEDIA CENTER BUILDING.
 (E) STEWARDS BUILDING.
 (E) LOOP TO TIMING AND SCORING.
- 6 (E) LOOP TO TIMING AND SCORING.
 7 RELOCATED TIMING LIGHTS. SEE DETAIL 1/E2.1.
 8 SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. SEE DETAILS E/E4.1 AND 4/E4.1.
 9 RELOCATED STOP / START / CAUTION LIGHTS. SEE DETAIL 1/E2.1.
 10 (E) PULL BOXES TO REMAIN.
 11 SAWCUT HOLES AT EACH END AND PROVIDE HORIZONTAL BORING FOR 1-2" SYSTEMS CONDUIT
- AND 1-1.25" POWER CONDUIT. PATCH PAVEMENT TO MATCH (E).
- 12 STARTER STATION. SEE DETAIL 6/E4.1.
- 13 (E) 1-4" SYSTEM CONDUIT.
 14 1-1" POWER CONDUIT FOR BRIDGE POWER AND 1-2" SYSTEMS CONDUIT TO NOTE 10. SEE
- DETAIL 1/E2.1.
- 15 (E) SYSTEMS PULL BOX. 16 (E) POWER PULL BOX.
- 17 1-4" SYSTEMS CONDUIT. SEE DETIAL 1/E4.1. 18 (E) 24" X 24" X 10" DEEP SYSTEMS CAN.
- 19 (E) 4" SYSTEMS CONDUIT. 20 (E) 3-6" SYSTEMS CONDUITS.
- 21 (E) 2-6" UG SYSTEMS CONDUITS. LOCATED AND EXTEND TO NOTES 22.
 22 SYSTEMS PULL BOX. CHRISTY N-44 WITH BASE SLAB, 1-EXTENSION, AND CONCRETE LID MARKED
- 'SYSTEMS". SEE DETAIL 2/E4.1.
- 23 3-4" SYSTEMS CONDUITS. SEE DETAIL 1/E4.1.
 24 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. CUT (E) 2 X 6 TRIM AROUND BUILDING AND MOUNT PANEL OVER VENT. STUB 2-4" CONDUITS CONDUITS. 2-4 CONDOITS INTO CRAWL SPACE.

 25 1-4" SYSTEMS CONDUIT.

 26 20" X 16" X 12" DEEP, NEMA 4X, PVC PULL CAN WITH HINGED COBER AT +24" AFG. B-LINE
 #201612-4XF. STUB 1-4" CONDUIT INTO BUILDING.

- 27 SEE DETAILS 1/E2.1 AND 1/E2.2 FOR WORK ON BRIDGE.
 28 1-4" SYSTEMS CONDUIT STUBBED UP AT BASE OF BRIDGE.
- 29 (E) POWER POLE WITH (E) RISER.
 30 1-4" UG PG&E PRIMARY CONDUIT WITH 36" OF COVER.
- 31 (E) PG&E PRIMARY PULL BOX. 32 1-4" UG PG&E PRIMARY CONDUIT WITH 36" OF COVER. SEE DETAIL 1/E4.1.
- 33 (E) POWER POLE.
- 34 (E) MAIN SWITCHBOARD. 2500 AMP, 277/480 VOLT, 3 PHASE, 4 WRE. SEE DETAIL 5/E4.1.
 35 (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE. SEE DETAIL 5/E4.1.
 36 SYSTEMS PULL BOX. CHRISTY N-30 WITH BASE SLAB, 1-EXTENSION, AND CONCRETE LID MARKED
- 'SYSTEMS". SEE DETAIL 2/E4.1. 37 1-4" CONDUIT WITH 1-50 PAIR WP TELEPHONE CABLE. SPLICE TO (E) CABLES AT EACH END.

38 (E) IDF IN STEWARDS BUILDING.

IN ASSOCIATION WITH:

MIRACLES UNLIMITED, INC.

Aptos, CA 95001-1808 PH. 831-688-8013 Fax. 831-688-0201

PO Box 1808

GENERAL NOTES

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 B ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT.
 C ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE
- REMOVED.

 D ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).

 E ALL SYSTEMS WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED

- ON THE DRAWINGS. F ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES.
 G ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES.

LAGUNA SECA START-FINISH **BRIDGE**

Project / Owner:

COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA.

APN: 173-011-023-000



The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com



Drawn By:

Project Number:

Drawing Date:

Revisions:

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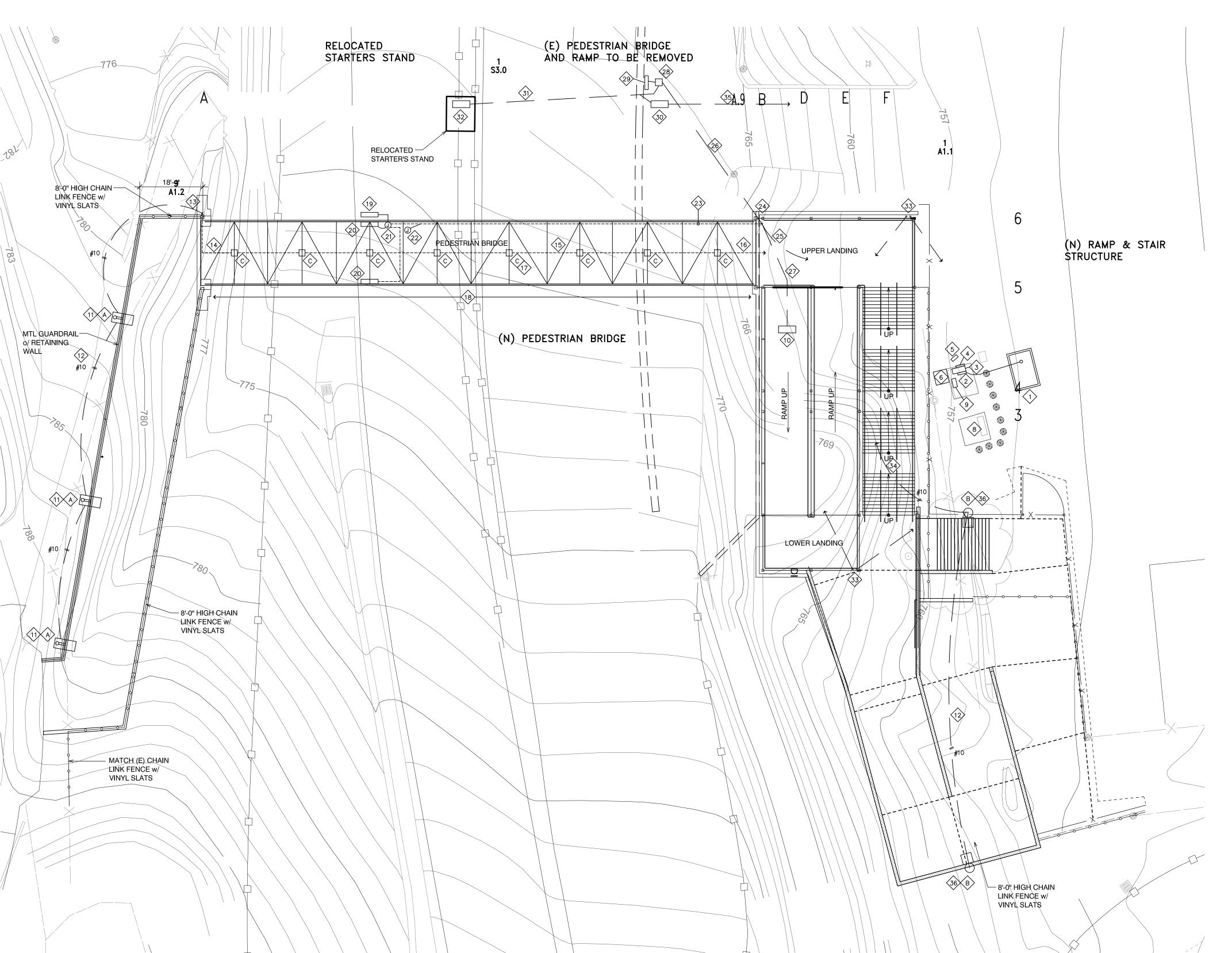
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SITE PLAN

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KEYED ELECTRICAL NOTES SHEET E2.1

1 (E) MAIN SWITCHBOARD. 2500 AMP, 277/480 VOLT, 3 PHASE, 4 WRE. SEE DETAIL 5/E4.1. 2 (E) PULL BOX MOUNTED ON REAR OF SECTION.

4 (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE. SEE DETAIL 5/E4.1. 5 (E) PULL BOX.

6 (E) TRANSFORMER. 75 KVA, 480 VOLT, 3 PHASE, 3 WIRE TO 120/208 VOLT, 3 PHASE, 4 WIRE. (E) 2-4" UG CONDUITS.

8 (E) ABANDONED PAD. 9 LIGHTING INVERTER. SEE DETAIL 5/E4.1.

10 SYSTEMS PULL BOX. SEE DETAIL 1/E1.2.

11 POLE AND BASE. BASE IS INTEGRATED INTO STEM WALL

12 .75" UG CONDUIT WITH 2 #10 THWN CU. TO BRIDGE LIGHTING CIRCUIT. 13 ROUTE .75" RIGID STEEL CONDUIT UP STRUCTURE AND LB ONTO ROOF.

14 STRAP CONDUITS AT ALL DIAGONAL BRACING WITH MALLELABLE IRON ONE HOLE CLAMPS, CLAMP BACKS, AND 1/4' STAINLESS STEEL BOLTS AND NUTS.

15 .5" RIGID STEEL CONDUIT WITH 2 #10 THWN CU. & #12 CU. GR. TYPICAL. 16 CONDUIT TO FIXTURE AT RAMP. SEE DETAIL 1/E2.2.

17 BOLT 'C' FIXTURES TO BOTTOM OF 6" I-BEAMS WITH 2-1/4" STAINLESS STEEL NUTS AND BOLTS. SEAL ALL UNUSED OPENINGS IN REAR OF FIXTURE BACKBOX WITH SILICONE. 18 4" IMC CONDUIT STRAPPED TO BOTTOM OF BRIDGE WITH STAINLESS STEEL STRUT AND STAINLESS

STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 3/8" STAINLESS STEEL BOLTS, NUTS, AND WASHERS. CONDUIT TO BE ROUTED DOWN TO 3' AFG ON EACH END. SEE DETAIL 8/E4.1. 19 RELOCATED STOP / START / CAUTION LIGHTS. .75" CONDUIT TO NOTE 21 WITH 7 #14 THWN CU. 20 RELOCATED TIMING LIGHTS. .5" CONDUIT TO NOTE 21 WITH 3 #12 THWN CU. AND .75" CONDUIT

21 12" X 12" X 6" DEEP NEMA 4X PULL CAN MOUNTED COVER DOWN FOR POWER MOUNTED ON TOP OF BRIDGE.

22 12" X 12" X 6" DEEP NEMA 4X PULL CAN MOUNTED COVER DOWN FOR SYSTEMS MOUNTED ON TOP OF BRIDGE.

23 1.5" SYSTEMS CONDUIT AND 2-1" POWER CONDUITS. STRAP CONDUITS TO TOP OF BEAMS WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 5/16" STAINLESS STEEL BOLTS, NUTS, AND WASHERS. SEE DETAIL 8/E4.1. 24 ROUTE CONDUITS DOWN BRIDGE STRUCTURE.

25 1" POWER CONDUIT FROM NOTE 21 TO NOTE 4 WITH 6 #10 THWN CU.

26 1" POWER CONDUIT FROM NOTE 21 TO NOTE 28 WITH 7 #14 THWN CU. AND 2" SYSTEMS CONDUIT FROM NOTE 30 TO NOTE 10.

27 1.25" SYSTEMS CONDUIT TO NOTE 10 AND 1-2" SYSTEMS CONDUIT TO NOTE 30. 28 (E) POWER PULL BOX WITH (E) 1.25" CONDIT TO NOTE 29.

29 (E) TRANSFORMER LOAD CENTER UNIT. PROVIDE 2-20 AMP BREAKERS FOR CIRCUITS TO STARTER

30 SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. SEE DETAILS 3/E4.1 AND 4/E4.1. ROUITE 1-2" SYSTEMS CONDUIT TO SYSTEMS CAN ON WALL ADJACENT TO NOTE 29. 31 SAWCUT HOLES AT EACH END AND PROVIDE HORIZONTAL BORING FOR 1-2" SYSTEMS CONDUIT

FROM NOTE 32 TO 30 AND 1-1.25" POWER CONDUIT WITH 3 #12 THWN CU. AND 7 #14 THWN CU. FROM NOTE 32 TO 28. PATCH PAVEMENT TO MATCH (E). 32 SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT

+24" AFG. B-LINE #242410-4XF. MOUNT TO NEW STEEL STRUCTURE FOR STARTER STATION. 33 1-2" SYSTEMS CONDUIT TO NOTE 10 AND 1-1" POWER CONDUIT TO NOTE 4. STUB 2' AFG FOR

FUTURE SIGNS. 34 .75" CONDUIT WITH 2 #10 THWN CU. TO BRIDGE LIGHTING CIRCUIT. SEE DETAIL 1/E2.2.

35 (E) 4" SYSTEMS CONDUIT TO BE CUT BACK AND ROUTED INTO NOTE 30. 36 POLE BASE. SEE DETAIL 6/E4.1.

GENERAL NOTES

A LETTER AND NUMBER ADJACENT TO OUTLETS INDICATES PANEL AND CIRCUIT NUMBER TYPICAL. B ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT. C ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE

REMOVED. D ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY

OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).

E ALL SYSTEMS WIRING WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.

F ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES. G ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES. H CONDUÍTS TO BE STRAPPED WITH MALLEABLE IRON ONE HOLE CLAMPS WITH CLAMP BACKS ON

FLAT SURFACES. J CONDUITS AT ANGLE / EDGE SURFACES USE GALVANIZED BEAM CLAMPS WITH 1/4" STAINLESS STEEL SCREWS AND STAINLESS STEEL MINERALLAC CLAMPS.

Drawn By

Drawing Date:

Project Number:

Project / Owner:

BRIDGE

SALINAS, CA.

LAGUNA SECA

COUNTY OF MONTEREY

THE PAUL DAVIS PARTNERSHIP

ARCHITECTS & PLANNERS

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Monterey, CA 93940

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START-FINISH

1021 MONTEREY-SALINAS HWY

APN: 173-011-023-000

Revisions:

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BRIDGE LIGHTING PLAN

IN ASSOCIATION WITH:

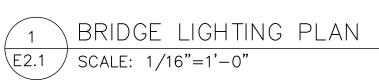
LIGHTWORKS, INC. MIRACLES UNLIMITED, INC. PO Box 1808 26403 Lucie Lane Aptos, CA 95001-1808 Salinas, CA 93908 PH. 831-688-8013 PH. 831-596-3667 Fax. 831-688-0201 ltwks@aol.com

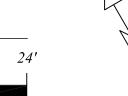
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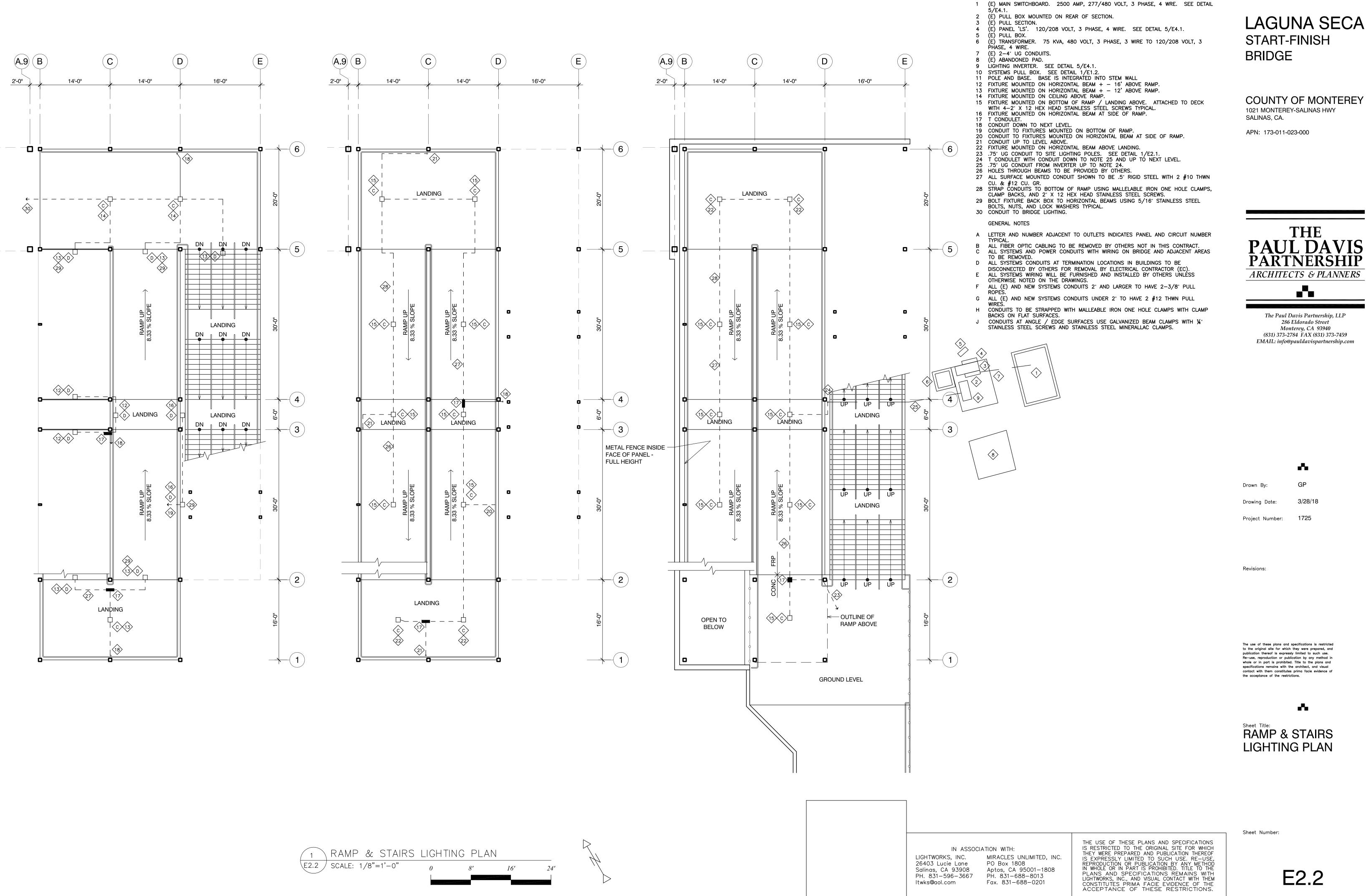
Sheet Number:

E2.1









Project / Owner:

KEYED ELECTRICAL NOTES SHEET E2.2

Fax. 831-688-0201

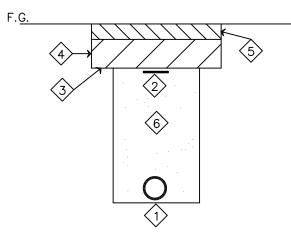
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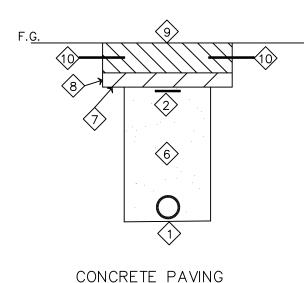
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E2.2





ASPHALT PAVING

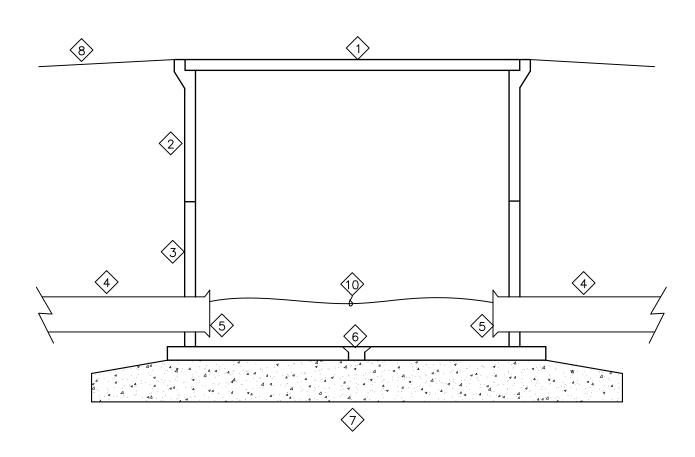
 $\langle\;\;
angle$ keyed electrical notes for trench sections

- ELECTRICAL OR SYSTEMS CONDUIT PER PLANS. PROVIDE CLEARANCES PER ALL APPLICABLE CODES, PLANS, AND SPECIFICATIONS, MINIMUM 6" SPACING BETWEEN SYSTEMS & POWER CONDUITS, AND DUCT BANK SPACING PER NEC ARTICLE 310. TRENCH TO BE 2" WIDER THAN CONDUIT ON ALL SIDES WITH 2" SAND UNDER CONDUIT.
- PROVIDE DETECTABLE MARKER TAPE FULL LENGTH OF TRENCH 12" ABOVE CUT PAVING 6" WIDER THAN ACTUAL WIDTH OF TRENCH ON EACH SIDE.
- 4" OF CLASS 4 BASEROCK COMPACTED TO 95%.
- 2" AC PAVING. COMPACTED SAND BACKFILL TO 95%.
- CUT CONCRETE 3" WIDER THAN ACTUAL WIDTH OF TRENCH ON EACH SIDE.
- 8 2" OF SAND.
- 9 4" OF 3,000 LB. CONCRETE. 10 12" OF #4 RE-BAR DOWELS AT 6" O.C. DRILL 6" INTO (E) CONCRETE AND SET WITH EPOXY GROUT.

GENERAL NOTES:

- A PROVIDE 5/8" CANE FIBER EXPANSION JOINTS AT 20' O.C. IN CONCRETE
- NATIVE SOIL MAY BE USED AS BACKFILL IN TRENCHES NOT UNDER ASPHALT, CONCRETE, OR ANY TYPE OF PAVING. NATIVE SOIL SHALL BE COMPACTED TO
- C ALL UNDERGROUND CONDUIT TO HAVE 24" MINIMUM COVER IN ALL AREAS.

TRENCH SECTION DETAIL NOT TO SCALE



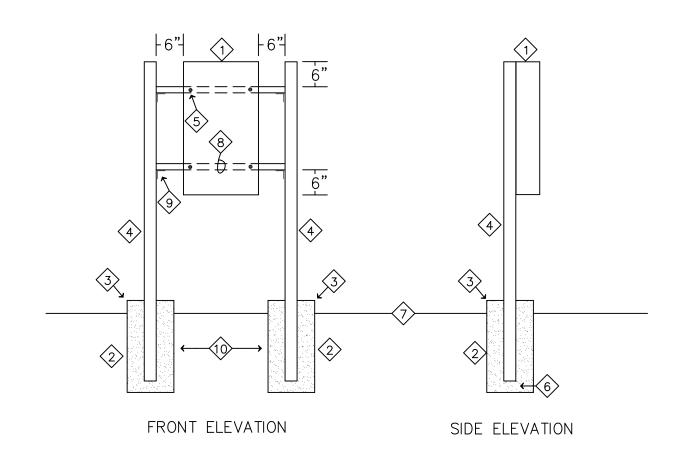
KEYED ELE&TRICAL NOTES FOR PULLBOX DETAIL

- 1 REINFORCED CONCRETE LID IN SOIL, LAWN, ETC. OR GALVANIZED STEEL CHECKER LID IN CONCRETE, ASPHALT OR TRAFFIC AREAS WITH LETTERING PER PLANS.
- PULLBOX SIZE AND MANUFACTURER PER PLANS
- 3 EXTENSION RING. 12" HIGH PER PLANS.
- 4 INCOMING CONDUIT. MAXIMUM EXTENSION INTO BOX 2". PROVIDE BELL ENDS ON ALL INCOMING CONDUITS.
- 6 BASE SLAB WITH WEEP HOLE MIN. 1" DIA. SAME MANUFACTURER AS BOX
- 7 6" OF 3/4" CRUSHED ROCK UNDER BASE SLAB. 8 FINISHED GRADE TYPICAL. AT NATURAL SOIL CONDITIONS SET BOX 1" HIGHER THAN SURROUNDING GRADE AND SLOPE GRADE UP TO BOX. AT PAVING CONDITIONS SET BOX 1/2" HIGHER THAN GRADE AND SLOPE GRADE UP TO BOX. 9 GROUT ALL OPENINGS AND AROUND ALL CONDUITS ENTERING BOX.
- 10 CABLES TO GO STRAIGHT THROUGH BOX WITHOUT EXCESS SLACK OR LOOPS

GENERAL NOTES

A WHERE STEEL LID IS USED, BOND PER NEC ARTICLE 250.

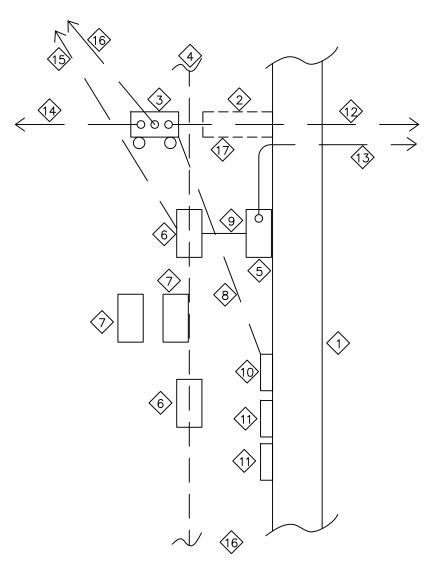
TYPICAL PULLBOX DETAIL NOT TO SCALE



KEYED ELECTRICAL NOTES FOR PANELBOARD INSTALLATION

- 1 PANELBOARD PER DRAWINGS. MOUNT 6' TO TOP.
- 2 12" X 12" X 24" DEEP CONCRETE FOOTING FOR CONDUIT SUPPORT.
- 3 FORM TOP OF FOOTING 6" AFG SLOPING AWAY FROM CONDUIT SUPPORT. 4 3" GALVANIZED RIGID STEEL CONDUIT SUPPORT EMBEDDED IN CENTER OF
- FOOTING. PROVIDE GALVANIZED THREADED END CAPS ON TOP ENDS ONLY. 5 ANCHOR PANEL TO STRUT WITH 4-1/2" BOLTS, WASHERS AND SPRING NUTS AT CORNERS.
- 6 CONDUIT SUPPORT TO BE SPACED 4" FROM BOTTOM OF FOOTING. 7 FINISHED GRADE.
- 8 1 5/8" GALVANIZED STRUT HORIZONTAL SUPPORTS.
- 9 ATTACH STRUT TO CONDUIT WITH STRUT ANGLES AND 1/2" BOLTS, NUTS, AND WASHERS (TYPICAL 4 LOCATIONS).
- 10 NO CONCRETE IN THIS AREA (THE WIDTH OF THE PANELBOARD).

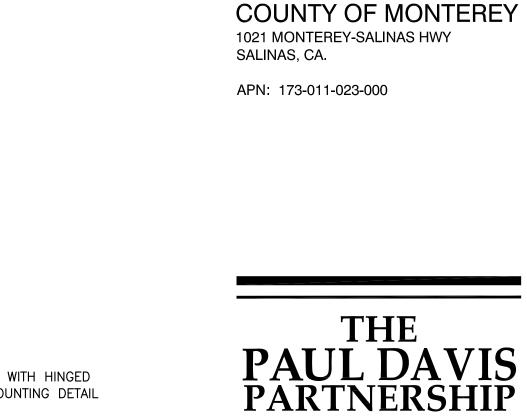
TYPICAL PANELBOARD INSTALLATION NOT TO SCALE





- 1 (E) K-RAIL
- (E) TERMINAL CAN TO BE REMOVED. SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +48" AFG TO TOP OF CAN. B-LINE #242410-4XF. SEE MOUNTING DETAIL
- APPROXIMATE LINE OF RELOCATED K-RAIL. VERIFY WITH CIVIL ENGINEER IN FIELD.
- (E) TRANSFORMER / LOAD CENTER.
- (E) N-9 POWER PULL BOX. (E) N-16 POWER PULL BOX.
- 2" UG CONDUIT FROM NOTE 3 TO NOTE 10. 9 (E) 1.25" POWER CONDUIT.
- 10 (E) DATA CAN ON K-RAIL.
- 11 (E) POWER CAN ON K-RAIL.
- 12 2" SYSTEMS CONDUIT TO STARTER STATION. SEE DETAIL 1/E1.2.
- 13 1" POWER CONDUIT TO STARTER STATION. SEE DETAIL 1/E1.2. 14 (E) 4" SYSTEMS CONDUIT TO BE CUT BACK AND ROUTED INTO NOTE 3.
- 15 1"POWER CONDUIT AND 2" SYSTEMS CONDUIT TO BRIDGE STRUCTURE. SEE DETAIL
- 16 SEE DETAIL 1/E1.2 FOR WIRING IN CONDUITS.
- 17 CONDUITS IN NOTES 12 AND 13 TO BE BORED UNDER TRACK. SEE DETIL 1/E1.2.

SYSTEMS CAN RELOCATION DETAIL NOT TO SCALE



Project / Owner:

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EMAIL: info@pauldavispartnership.com

Drawn E

Revisions:

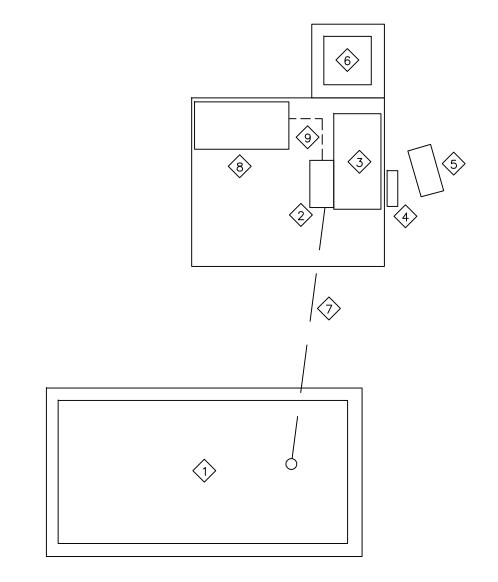
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DETAILS

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Project Number:



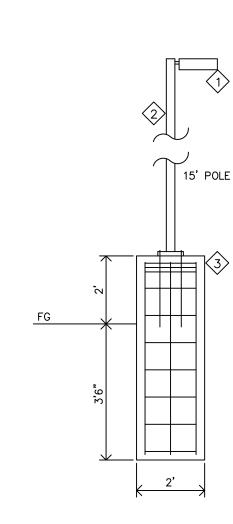
KEYED ELECTRICAL NOTES FOR MAIN SWITCHBOARD

1 (E) MAIN SWITCHBOARD. 2500 AMP, 277/480 VOLT, 3 PHASE, 4 WRE. CLEAN AND VACUUM INSIDE OF SWITCHBOARD, PROVIDE .5" BEAD OF CAULKING AROUND BASE, AND INDENTIFY / LABEL ALL BREAKERS (12) WITH P-TOUCH LABELS. PROVIDE 1 POLE, 20 AMP, 65KAIC, SQUARE D I-LINE BREAKER IN (E) SPACE AND 2-3 POLE BKANK COVERS.

- 2 (E) PULL BOX MOUNTED ON REAR OF SECTION. 3 (E) PULL SECTION.
- 4 (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE SIEMENS BQ. REMOVE UNUSED / ÀBANDONED WIRING AND 4 TEMPORARY CORDS OUT OF PANEL. PROVIDE PHENOLIC LABEL AND NEW PANEL SCHEDULE.
- 5 (E) PULL BOX. 6 (E) TRANSFORMER. 75 KVA, 480 VOLT, 3 PHASE, 3 WIRE TO 120/208 VOLT, 3 PHASE, 4
- 7 (E) 2-4" UG CONDUITS.
- 8 LIGHTING IVERTER. EXITRONICS #SIE1-2.0-277-277-90. 41" W X 44" HIGH X 32" DEEP, 870 LBS. BOLT TO SLAB WITH ".5" X 6" HILITI QUIKBOLTS IN EACH CORNER OF UNIT. MOUNT INTERMATIC #ET8215CR TIME CLOCK ON SIDE OF INVERTER #40" AFG. ROUTE LOAD SIDE OF INVERTER THROUGH TIME CLOCK TO LIGHTING.
- 9 .75" RIGID STEEL CONDUIT WITH 2 #10 THWN CU. & #12 CU. GR. ROUTE WIRING THORUGH NOTES 2 AND 7 TO BREÄKER IN NOTE 1.

MAIN SWITCHBOARD DETAIL

SCALE: 1/4"=1'-0"



KEYED ELECTRICAL NOTES FOR LIGHT POLE, FIXTURE AND BASE

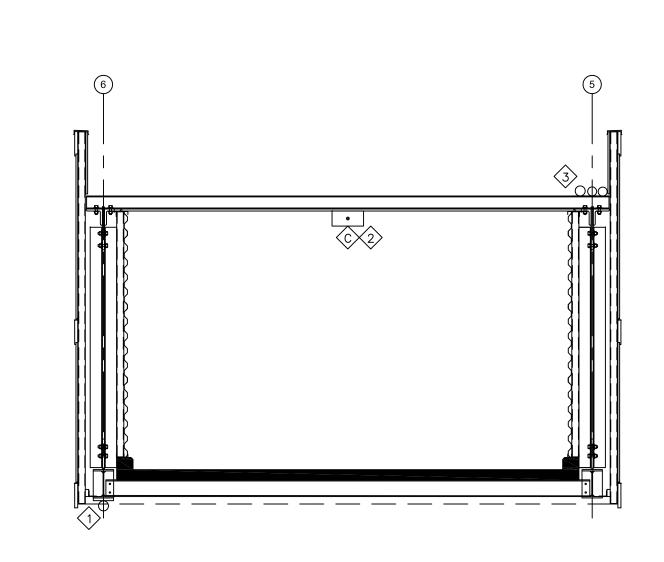
1 FIXTURE PER FIXTURE SCHEDULE. 2 POLE PER FIXTURE SCHEDULE.

3 24" DIAMETER CONCRETE BASE WITH THE FOLLOWING: BASE TO BE 5'6" BELOW FINISHED GRADE. BASE TO BE FORMED 2' ABOVE FINISHED GRADE USING SONO TUBE. BASE TO BE FORMED 6" BELOW FINISHED GRADE USING SONO TUBE. 6 #5 VERTICAL RE-BAR AT QUARTER POINTS. 3 #3 TIES AT TOP 6" THEN 12" ON CENTER TO BOTTOM. RE-BAR SPACED 3" FROM OUTSIDE OF FORMS, TYPICAL. RE-BAR SPACED 3" FROM TOP AND BOTTOM OF BASE. ANCHOR BOLTS PER MANUFACTURER.

GROUT TOP OF POLE BASE AFTER POLE IS SET IN PLACE.

POLE BASE DETAIL NOT TO SCALE

USE 5 SACK CONCRETE AND CONCRETE VIBRATOR WHEN POURING.





1 4" IMC CONDUIT STRAPPED TO BOTTOM OF BRIDGE WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 5/16" STAINLESS STEEL BOLTS, NUTS, AND WASHERS. CONDUIT TO BE ROUTED DOWN TO 3' AFG ON EACH END. BOLT 'C' FIXTURES TO BOTTOM OF 6" I-BEAMS WITH 2-1/4" STAINLESS STEEL NUTS AND

BOLTS. SEAL ALL UNUSED OPENINGS IN REAR OF FIXTURE BACKBOX WITH SILICONE. 1.5" SYSTEMS CONDUIT AND 2-1" POWER CONDUITS. STRAP CONDUITS TO TOP OF BEAMS WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 5/16" STAINLESS STEEL BOLTS, NUTS, AND WASHERS.



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Sheet Number:

E4.

PRO IECT:
PROJECT:
Laguna Seca Raceway Pedestrian Bridge
1021 Monterey Salinas Highway Salinas, Ca 93908
Gairias, Ga 90900
Project Designer:
Miracles Unlimited
PO Box 1808
Aptos, Ca. 95003
831-688-8013
Report Prepared by:
Mills Miracle
Lightworks, Inc.
PO Box 1808
Aptos, Ca. 95003
831-688-8013
Job Number:
6385
Date:
3/22/2018
o computer program has been used to perform the calculations summarized in this compliance report. This program has approva by the California Energy Commission for use with both the Residential and Nonresidential 2016 Building Energy Efficiency Standa
This program developed by EnergySoft Software – www.energysoft.com.

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Cover Page			1
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Form LTO-01-E Outdoo			3
Form LTO-02-E Outdoo			8
Form LTO-03-E Outdoo	or Lighting Power Allowances		11
gyPro 7.1 by EnergySoft	Job Number: ID: 6385	User Number: 6473	

CERTIFICATE OF COMPLIAN	v. 376 c			NRCC-LT
Outdoor Lighting	2508			(Page
Project Name: Laguna Seca R	aceway Pedestrian Bridge		Date Prepared:	
A. General Information			T-contact	Parameter seem esseries and property processing accompany to
Project Address: 1021 Mo	nterey Salinas Highway Sal	inas, Ca 93908	Total II	luminated Hardscape Ar 17,000
Phase of Construction:	✓ New Construction	☐ Addition		Iteration
Outdoor Lighting Zone (LZ)	□ LZ-1		☑ LZ-3	2 M-15 M-17 (2016) (2017) 2017 (2017) 2017
NO. 100 NO. 10	Annual Control of the	e. For default lighting zone des		AND
For detailed instructions on the published by the California Ene NRCC-LTO-01-E NRCC-LTO-02-E NRCC-LTO-03-E NRCC-LTO-04-E C. Summary of Allowed Out	ergy Commission. Certificate of Compliar Outdoor Lighting Conti Outdoor Lighting Power Outdoor Lighting Existing Fower	ncy Standards compliance docume	nce iance	he Nonresidential Manual Watts
ALC 2010-00-00-00-00-00-00-00-00-00-00-00-00-	allowed wattage from NRCC-L Complies ONLY if In	hting load may instead use the TO-04, page 2. I stalled (Box 02) ≤ Allowed (Bo ge from NRCC-LTO-01-E, page 3	T	
D. Declaration of Required Declare by checking all Installa signed.)		nitted. (Retain copies and verify co	mpliance dod	cuments are completed and
☑ NRCI-LTO-01-E - Must be so	ibmitted for all buildings			☐ Field Inspector
☑ NRCI-LTO-02-E - Must be su System (EMCS), to be recognic	[2017] [[[[[]] [[] [[] [[] [] [] [] [] [[] [tem, or for an Energy Managemen	t Control	☐ Field Inspector
Declare by checking all of the and signed.)		ill be submitted. (Retain copies and	l verify comp	T
MINICA-LIU-UZ-A - MIUST DE S	ubmitted for outdoor lighting con	iu ois.		☐ Field Inspector
F. Schedule of Luminaires	Exempt from the Outdoor Ligh	nting Power Requirements in §	140.7	
01		02		
Name or Symbol	Description	of exempt luminaire in accord	ance with th	he exemptions

CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTO
Outdoor Lighting	(Page 2
Project Name: Laguna Seca Raceway	
G. Schedule of Luminaires Exempt	from the Cutoff Requirements in §1.30.2(b)
Name or Symbol	Description of exempt luminaire in accordance with the exemptions
Entering the second of the sec	from the Outdoor Lighting Control Requirements in §130.2(t)
01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions

Project / Owner:
LAGUNA SECA START-FINISH BRIDGE
COUNTY OF MONTEREY 1021 MONTEREY-SALINAS HWY SALINAS, CA. APN: 173-011-023-000
THE PAUL DAVIS PARTNERSHIP

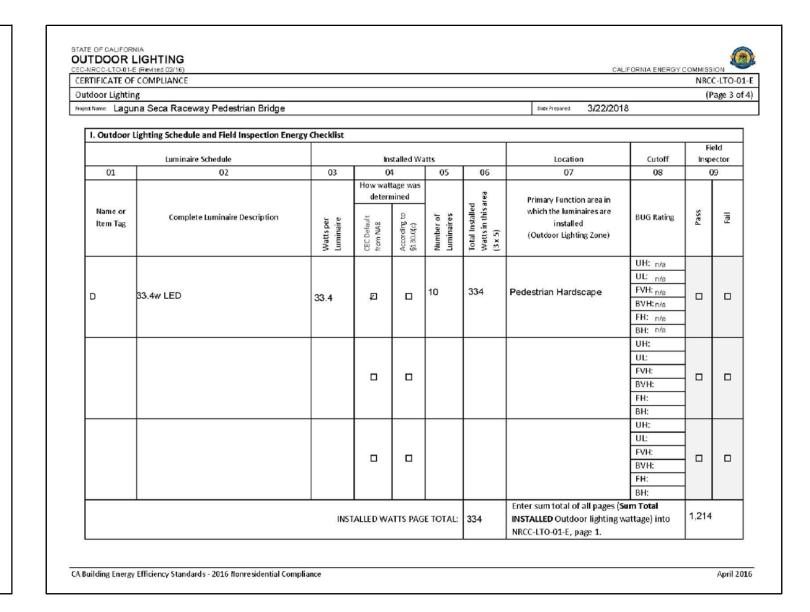
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The Paul Davis Partnership, LLP 286 Eldorado Street

Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com

	E (Revised 02/16) COMPLIANCE						CA	LIFORNIA ENERGY		C-LTC
tdoor Lightin	U/h-bessitehreshen								100000	Page 3
	na Seca Raceway Pedestrian Bridge						Date Prepared 3/22/201	8		
I Outdoor	Lighting Schedule and Field Inspection Energ	v Checklist								
i. Catacol	eighting senerate and rich inspection energ	y Checking							Fi	ield
	Luminaire Schedule			stalled W	-		Location	Cutoff	Inspector	
01	02	03	0		05	06	07	08	(09
			How wat deterr			32	Primary Function area in			l
Name or					1	lled	which the luminaires are		52	١.
Item Tag	Complete Luminaire Description	per aire	fault A8	10 G	er of aires	nsta in th	installed	BUG Rating	Pass	3
		Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (3 x 5)	(Outdoor Lighting Zone)			
			0.	4 61				UH: n/a		
								UL: n/a	1	l
А	44w LED	44.0	Þ		3	132	Pedestrian Hardscape	FVH: n/a	-	0
		44.0	,-	-				BVH:n/a		
								FH: n/a	4	l
								BH: n/a UH: n/a		\vdash
								UL: n/a	1	l
В	44w LED	44.0	_	_	2	88	Pedestrian Hardscape	FVH: n/a	1 _	Ι.
В	1777	CONORCE	Ø					BVH: _{n/a}	-	ן ו
								FH: n/a		l
								BH: n/a		╙
								UH: n/a UL: n/a	-	l
	and order	20.0			22			FVH: n/a	-	l
С	30w LED	30.0	-		22	660	Pedestrian Hardscape	BVH:n/a	-	1
								FH: n/a	1	l
								BH: n/a		
							Enter sum total of all pages (S		1,214	e
		INS	ALLED WA	ATTS PAG	E TOTAL:	880	INSTALLED Outdoor lighting v NRCC-LTO-01-E, page 1.	vattage) into	1,214	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance



			(Page 4 of
ect Name: Lagi	una Seca Raceway Pedestrian Bridge		Date Prepared 3/22/2018
DOCUMENTATION A	UTHOR'S DECLARATION STATEMENT		
	s Certificate of Compliance documentation is accu	rate and complete	
Documentation Author Nar		Documentation Author Signature:	
Company:	Lightworks, Inc.	Signature Date: 3/22/2018	
Address	PO Box 1808	CEA Certification I dentification (if applica	ble):
City/State/Zip:	Aptos, Ca. 95003	Phone: 831-688-8013	
RESPONSIBLE PERSO	ON'S DECLARATION STATEMENT	•	
The building ce- documents, wor I will ensure that enforcement ag	rksheets, calculations, plans and specifications sul It a completed signed copy of this Certificate of Co	on this Certificate of Compliance are consistent bmitted to the enforcement agency for approval ompliance shall be made available with the build	with the information provided on other applicable compliance with this building permit application. ing permit(s) issued for the building, and made available to the f Compliance is required to be included with the documentation the
Responsible Designer Nam		Responsible Designer Signature:	
	Miracles Unlimited	Date Signed	
Company:	Will acres Chillinited		
Company: Address:	PO Box 1808	License:	
	A Section and Company and Comp	Ucense: Phane:	831-688-8013
Address:	PO Box 1808		831-688-8013

OUTDOOR LIGHTING



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ns in	
OFF	The use of these plans and specifications is restricte to the original site for which they were prepared, an publication thereof is expressly limited to such use.
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n	specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.
l be	
	Sheet Title: TITLE 24
t 2016	

Drawing Date:

Project Number: 1725

IN ASSOCIATION WITH:

LIGHTWORKS, INC. MIRACLES UNLIMITED, INC. 26403 Lucie Lane PO Box 1808 Salinas, CA 93908 Aptos, CA 95001—1808 PH. 831-596-3667 PH. 831-688-8013 Fax. 831-688-0201 ltwks@aol.com

THE USE OF THESE PLANS AND SPECIFICATIONS THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE—USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC., AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. Sheet Number:

LAGUNA SECA START-FINISH **BRIDGE**

COUNTY OF MONTEREY

APN: 173-011-023-000

SALINAS, CA.

1021 MONTEREY-SALINAS HWY





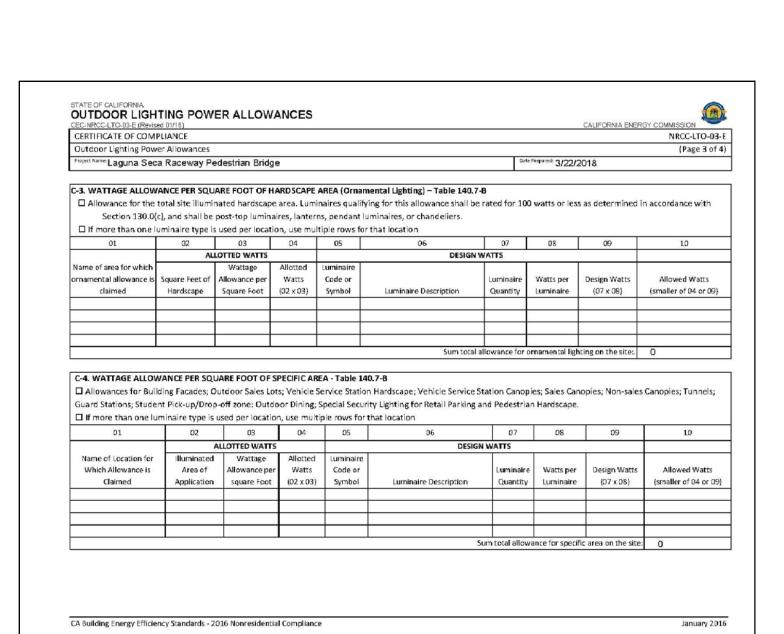
The Paul Davis Partnership, LLP 286 Eldorado Street Monterey, CA 93940 (831) 373-2784 FAX (831) 373-7459 EMAIL: info@pauldavispartnership.com

	E									THE CHARACTER	RGY COMMISSION NRCC-LTO-03-E
Outdoor Lighting Power Allow	wances										(Page 1 of 4)
Project Name: Laguna Seca Ra	ceway Pedestr	ian Bridge						Gate Prepared:	3/22/20	018	
	-										
A. OUTDOOR LIGHTING POV	VER ALLOWAND	E SUMMARY									
 General Hardscape Lighting P 	ower Allowance (ite Total from Sec	tion B	of NRCC-LT	D-03-E)					1.	1,305
Additional Specific "use it or I			tedin	each of the	se cells shall be identi	calto	total allo	wed watts			
determined in Section C-1 to C-4						_					
		NIT LENGTH			ARDSCAPE AREA	1					
PER APPLICATION from Section C-1		FRONTAGE) Section C-2			A DANIEL OF THE PARTY OF T		ER SPECIFIC AREA rom Section C-4.				
0	+	section C-2	+	110	om section C-3	۱,	_	O	=	2.	0
3. Sum Total ALLOWED Outdoo	r Lighting Wattage		_			-		0		3.	1.305
	· Lighting Working	(444470115 2 3116 2	,							1 5.	1,303
. GENERAL HARDSCAPE LIGH	ITING POWER A	LLOWANCE ERO	MITΔE	RIF 140.7.	Δ						
									Initi	al Wattage	Total General Hardscape
Area Wattage Allowance (AWA) Linear Watta						attag	tage Allowance (LWA)			vance (IWA)	Lighting Allowance
01	02	03		04	05	Т	06	07	200000	08	09
		1	 	i		Τ.					
Name of Area	Illuminated Hardscape Area	AWA Per Square Foot	AWA	(B02 x B03)	Perimeter Length of General Hardscape		PA per ear Foot	LWA (B05 x B06)		IWA (Watts)	B04 + B07 + B08
B.11	1,700,000,000,000,000,000	110.400.00.000	-		-			10.000000000000000000000000000000000000		ACCEPTED AT	1.005
Bridge Lighting	17,000	0.040	680	<u> </u>	300	0.	350	105	520		1,305
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	+	\vdash			\vdash	\vdash					
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						\vdash			-		

(Page 3 of 3)

te Prepared: 3/22/2018

	CA	LIFORNIA ENE	ERGY COMMISSION	STATE OF CALIFORNIA OUTDOOR LIG CEC-NRCC-LTO-03-E (Re		ER ALLOW	/ANCES				CALI	FORNIA ENERGY CO	DMMISSION
			NRCC-LTO-03-E	CERTIFICATE OF CO	MPLIANCE								NRCC-LTO-03-E
			(Page 1 of 4)	5.00 M 200 - 200 M									(Page 2 of 4)
Date Prepared:	3/22/201	8		Project Name: Laguna Seca Raceway Pedestrian Bridge Date Prepared: 3/22/2018									
				C. ADDITIONAL "USE	IT OR LOSE IT" C	UTDOOR LIGH	TING POWER	ALLOWAND	ES FOR SPECIFIC APPLICATIONS				
		1.	1,305	☐ The additional sp	ecific outdoor lig	hting power al	owance shall	be the small	er of the allowed lighting power or	the actual li	ghting power	used.	
wed watts				☐ Use Outdoor Ligh	nting Zone (OLZ)	that is documer	nted on page	1 of NRCC-LT	O-01-E to calculate the specific wa	ttage allowa	nces.		
	 												
R SPECIFIC AREA				C-1. WATTAGE ALLO	WANCE PER APP	ICATION - Tab	le 140.7-B						
rom Section C-4.				☐ Available only fo	r qualifying locat	ons, which incl	ude Building	Entrances or	Exits; Primary Entrances to Senior	Care Facilitie	s, Police Statio	ns, Hospitals, Fir	e Stations, and
0	d	2.	0	Emergency V	ehicle Facilities;	Drive Up Windo	ws; Vehicle S	ervice Statio	n Uncovered Fuel Dispenser, ATM	Machine Ligh	nting		
		3.	1.305	☐ If more than one	luminaire type is	used per locat	ion, use mult	iple rows for	that location				
			1,000	01	02	03	04	05	06	07	08	09	10
					ALL	OTTED WATTS			DESIGN W	ATTS			
(11144)	Initial	Wattage	Total General Hardscape		T	Wattage							
ce (LWA)	Allowa	nce (IWA)	Lighting Allowance	Name of Location for	Number of	Allowance per	Allotted	Luminaire					Allowed Watts
07		08	09	Which Allowance is	Qualifying	Qualifying	Watts	Code or		Luminaire	Watts per	Design Watts	(smaller of 04 or
LWA		WA.		Claimed	Locations	Location	(02 x 03)	Symbol	Luminaire Description	Quantity	Luminaire	(07 x 08)	09)
(B05 x B06)		Vatts)	BO4 + BO7 + BO8										
105	500	SHIP IN THE	1,305										
105	520		1,303										
	!	-								Sum total allo	wance ner annli	cation on this site:	
	1 -									Juni total allo	мансе рег арри	Cation on this site.	Į0
					WARREST DED LINE		- = \ (
	!			C-2. WATTAGE ALLO			-						
	⊹			☐ If more than one		And the second second			The second secon	T			
	⊹			01	02	03	04	05	06	07	80	09	10
				100 87 100 8	ALLOTTED WATTS				DESIGN V	VATTS			
				Name of Location for	Discon France C	Wattage	Allotted	Luminaire		Louisianat		Davis Mart	Allowed Watts
	l			Which Allowance is Claimed	Linear Feet of Sales Frontage	Allowance per Linear Foot	(02 x 03)	Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	(smaller of 04 or 09)
	 			Claimed	Jaies Hontage	Lillean FOOL	(02 x 03)	Symbol	Editinal e Description	Quantity	Lummane	(07 × 06)	03)
	┤├ ──						+	+	 				
							1						
		TOTAL	1,305		1								
					•				Sur	n total allowa	nce for sales fro	ntage on the site:.	0
			lanuary 2016	CA Building Engrave Fffs	iones Standards	O16 Noncosid	tial Campliant						Innuan 2016
			January 2016	CA Building Energy Effic	nency Standards - 2	OTO MOULESIGE	uai Compilance						January 2016



OUTDOOR LIGHTING CONTROLS

oject Name: Laguna Seca Raceway Pedestrian Bridge

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule

ype/Description of Lighting Control (i.e. outdoor motion sensor, outdoor

hotocontrol, outdoor astronomical time-

switch control, automatic scheduling

ontrol, part-night outdoor lighting control)

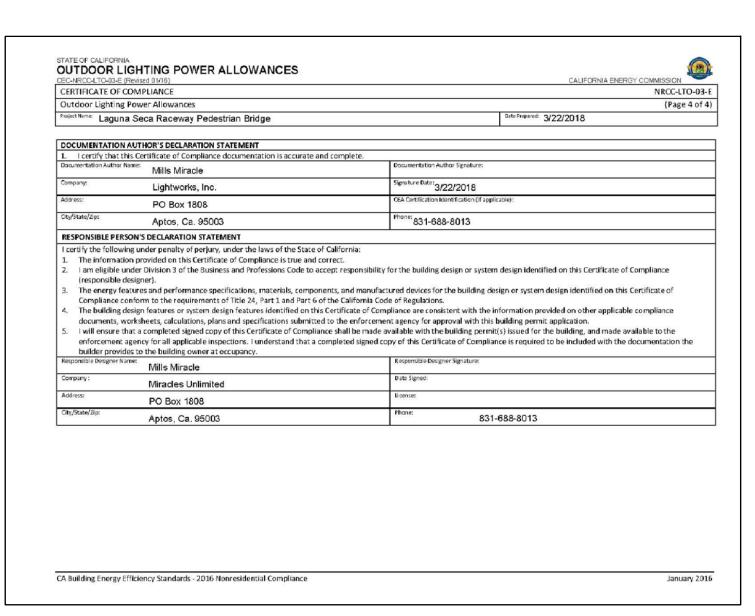
Astronomical Time Switch

CERTIFICATE OF COMPLIANCE

Location and Application of

Luminaires Being Controlled

Outdoor Lighting Controls



OUTDOOR LIGHTING CONTROLS

Project Name: Laguna Seca Raceway Pedestrian Bridge

Lightworks, Inc.

Aptos, Ca. 95003

ertify the following under penalty of perjury, under the laws of the State of California:

PO Box 1808

builder provides to the building owner at occupancy. Mills Miracle Miracles Unlimited PO Box 1808 Aptos, Ca. 95003

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

Certify that this Certificate of Compliance documentation is accurate and complete.

In the Certificate of Compliance documentation is accurate and complete.

Documentation Author Signature

Documentation Author Signature

Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

3/22/2018

CEA Certification Identification (if applicable

The information provided on this Certificate of Compliance is true and correct.

I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance

(responsible designer).
The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of

The building design features or system design feature sidentified on this Certificate of Compliance are consistent with the information provided on other applicable compliance

documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the

enforcement agency for all applicable in spections. I under stand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the

831-688-8013

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

SPONSIBLE PERSON'S DECLARATION STATEMENT

CERTIFICATE OF COMPLIANCE

Outdoor Lighting Controls

Oste Prepared: 3/22/2018

Standards Complying With

(✓ all that apply, or enter 'E' if Exempted)

Drawn By:	GP
Drawing Date:	3/28/1
Project Number:	1725

Revisions:

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TITLE 24

IN ASSOCIATION WITH: LIGHTWORKS, INC.

26403 Lucie Lane Salinas, CA 93908

ltwks@aol.com

PH. 831-596-3667

MIRACLES UNLIMITED, INC. PO Box 1808 Aptos, CA 95001-1808 PH. 831-688-8013 Fax. 831-688-0201

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Sheet Number: