

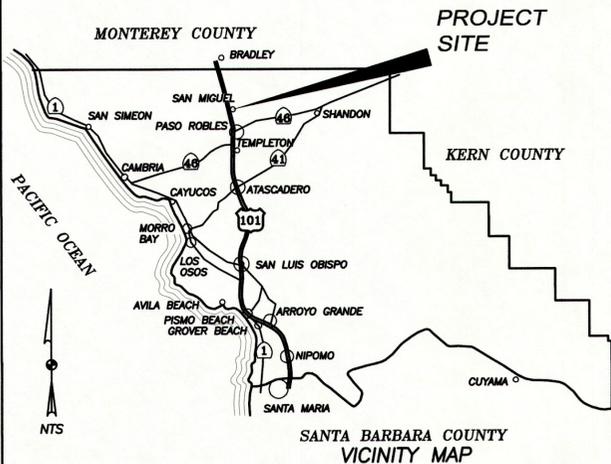
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	1	6

**COUNTY OF SAN LUIS OBISPO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
DESIGN DIVISION**

**CONSTRUCTION OF IMPROVEMENTS FOR  
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS  
SAN MIGUEL, CALIFORNIA  
CONTRACT No. 300470  
FEDERAL NO. STPL - 5949(139)**

APPROVED: December 30, 2014

Dave Flynn  
DEPUTY DIRECTOR OF PUBLIC WORKS  
R.C.E. 43933



To Be Supplemented By State Standard Plans Dated May, 2006

**LICENSE REQUIREMENTS:**

The successful bidder shall possess a Class A general engineering contractor's license at the time this contract is awarded. In the alternative, the successful bidder shall possess a speciality contractor's license at the time this contract is awarded that permits the successful bidder to perform with his or her own organization contract work amounting to not less than 30% of the original total contract price and to subcontract the remaining work in accordance with Section 8-1.01, "Subcontracting," of the Standard Specifications.

**MISSION STREET PEDESTRIAN ENHANCEMENT PLANS (6 SHEETS)**

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	TYPICAL SECTION AND 9TH ST. ADA RAMP
SHEET NO. 3	PLAN & PROFILE STA. 350+50.00-STA. 356+32.00
SHEET NO. 4	PLAN & PROFILE STA. 356+32.00-STA. 360+50.00
SHEET NO. 5	CURB RETURN DETAILS
SHEET NO. 6	COMPOSITE UTILITY PLAN

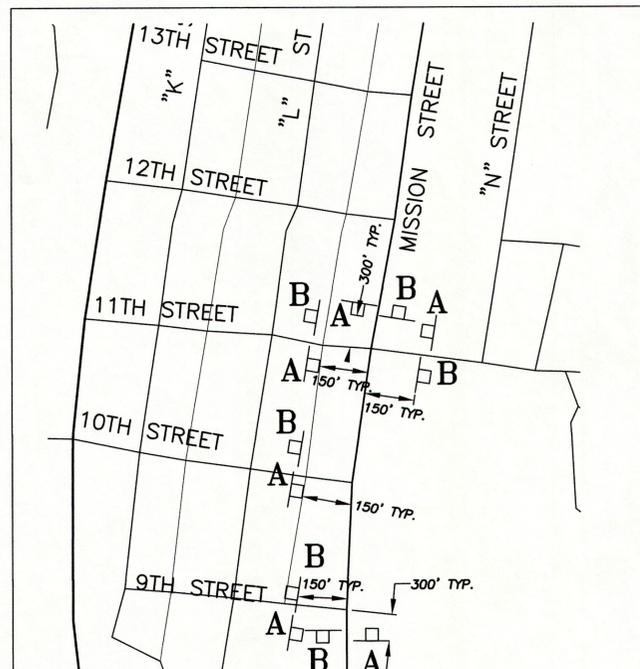
**GATEWAY MONUMENT PLANS (21 SHEETS)**

SHEET NO. C-1	TITLE SHEET
SHEET NO. C-2	NORTH GATEWAY EXCAVATION & GRADING PLAN
SHEET NO. C-3	SOUTH GATEWAY EXCAVATION & GRADING PLAN
SHEET NO. A-1	ARCHITECTURAL DETAILS
SHEET NO. A-2	ARCHITECTURAL DETAILS
SHEET NO. A-3	ARCHITECTURAL DETAILS
SHEET NO. S-1	STRUCTURAL COVER SHEET
SHEET NO. S-2	STRUCTURAL GENERAL NOTES
SHEET NO. S-3	STRUCTURAL GENERAL NOTES
SHEET NO. S-4	SIGN ELEVATION & FOUNDATION PLAN
SHEET NO. S-5	TYPICAL STRUCTURAL DETAILS
SHEET NO. S-6	STRUCTURE DETAILS
SHEET NO. L-1	LANDSCAPE SCHEDULE, NOTES & DETAILS
SHEET NO. L-2	LANDSCAPE DETAILS
SHEET NO. L-3	NORTH GATEWAY LANDSCAPE PLAN
SHEET NO. L-4	SOUTH GATEWAY LANDSCAPE PLAN
SHEET NO. E0.1	"ELECTRICAL GENERAL NOTES AND LEGEND"
SHEET NO. E1.1	NORTH GATEWAY ELECTRICAL PLAN
SHEET NO. E1.2	SOUTH GATEWAY ELECTRICAL PLAN
SHEET NO. E2.1	ELECTRICAL MONUMENTS ELEVATIONS
SHEET NO. E3.1	ELECTRICAL MONUMENTS DETAILS

**MISSION STREET PEDESTRIAN ENHANCEMENT ELECTRICAL PLANS (5 SHEETS)**

<del>SHEET NO. E1.0</del>	<del>GENERAL NOTES, LEGEND AND SCHEDULE</del>
<del>SHEET NO. E2.0</del>	<del>SITE ELECTRICAL PLAN 9TH-10TH STREET</del>
<del>SHEET NO. E2.1</del>	<del>SITE ELECTRICAL PLAN 10TH-11TH STREET</del>
<del>SHEET NO. E2.2</del>	<del>SITE ELECTRICAL PLAN 11TH-12TH STREET</del>
<del>SHEET NO. E3.0</del>	<del>ELECTRICAL DETAILS</del>

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TITLE SHEET					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Design Manager	Date
J. LAMBERT	8/2014	A. ESTRADA	8/2014	J. WERST	8/2014



**LEGEND**

No.	Type	Size	Message	Quantity
A	C18	48"x48"	"ROAD CONSTRUCTION AHEAD"	2
B	C13	48"x18"	"END CONSTRUCTION"	2

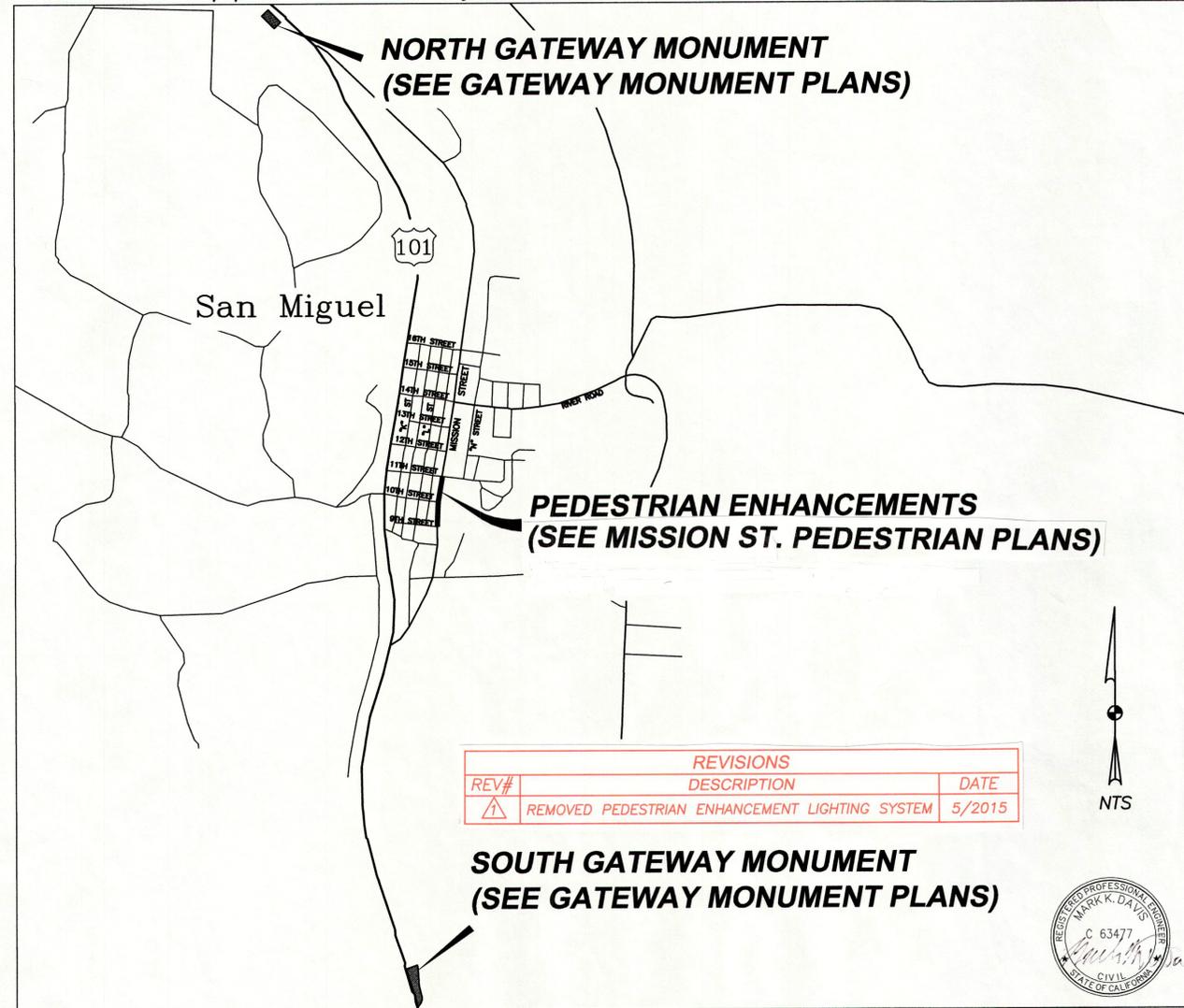
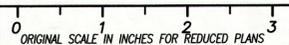
SIDE STREETS				
No.	Type	Size	Message	Quantity
A	C18	36"x36"	"ROAD CONSTRUCTION AHEAD"	4
B	C13	36"x36"	"END CONSTRUCTION"	4

**NOTES:**

- All Signs Shall Be Stationary Mounted on 4x4 Wood Posts, Unless Noted Otherwise.
- All Construction Signs Shall be Placed Approximately 4' off the Edge of Roadway, the Exact Location and Position of Signs Shall be Determined by the Engineer.

**CONSTRUCTION AREA SIGN PLAN**

NO SCALE

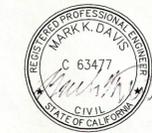


REV#	DESCRIPTION	DATE
1	REMOVED PEDESTRIAN ENHANCEMENT LIGHTING SYSTEM	5/2015

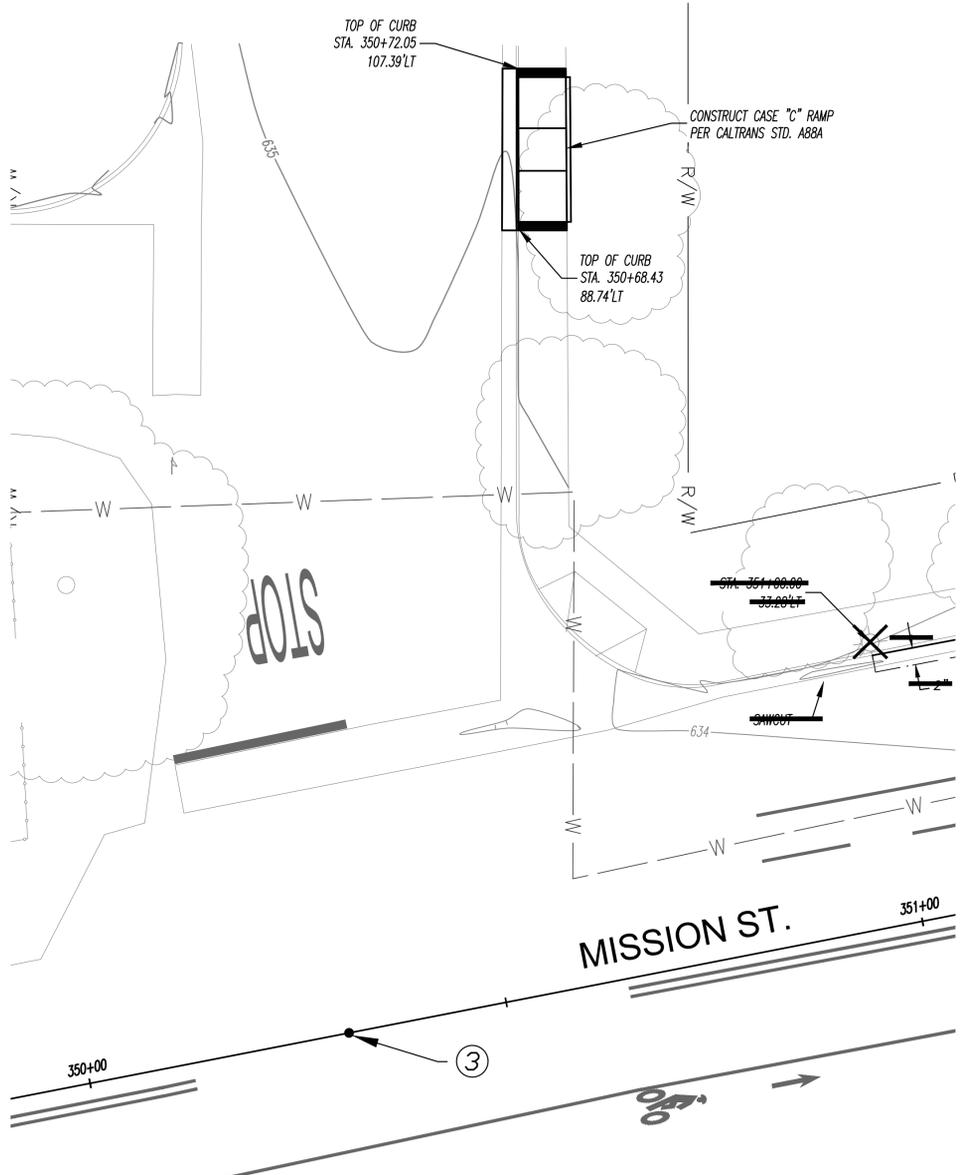
**SOUTH GATEWAY MONUMENT  
(SEE GATEWAY MONUMENT PLANS)**

**LOCATION MAP**

NO SCALE

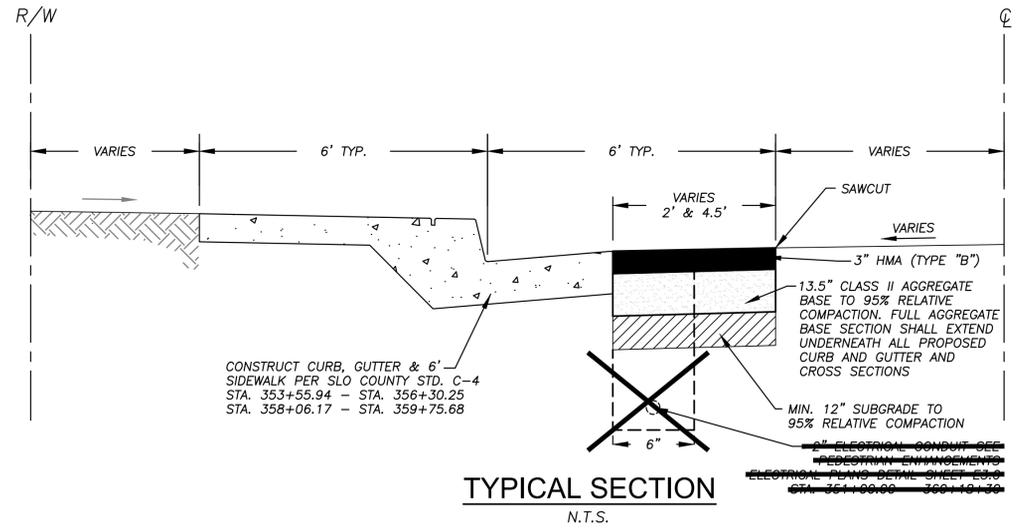
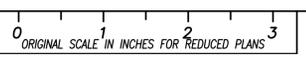


ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	2	6

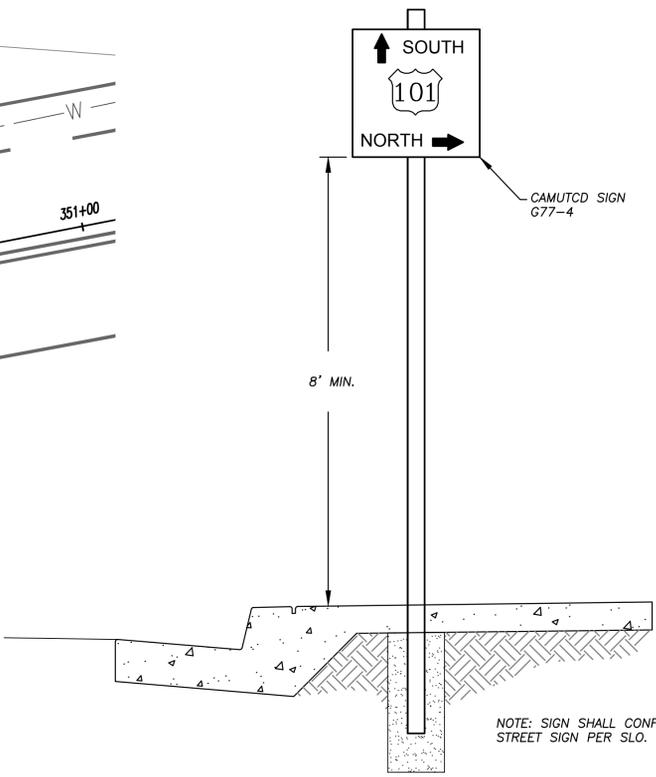


**9TH STREET ADA RAMP**  
 PLAN VIEW  
 SCALE : 1"=10'

- LEGEND**
- 635 ——— EXISTING MJR CONTOURS - 5' INTERVAL
  - 634 ——— EXISTING MNR CONTOURS - 1' INTERVAL
  - R/W ——— RIGHT OF WAY LINE
  - W ——— WATER LINE
  - SAWCUT
  - FENCE
  - EDGE OF PAVEMENT AND DIKE
  - SIGN
  - POWER POLE
  - LAMP FOOT TO BE INSTALLED AT LOCATIONS INDICATED ON PLAN AND AS DIRECTED BY THE ENGINEER. SEE ELECTRICAL PLANS

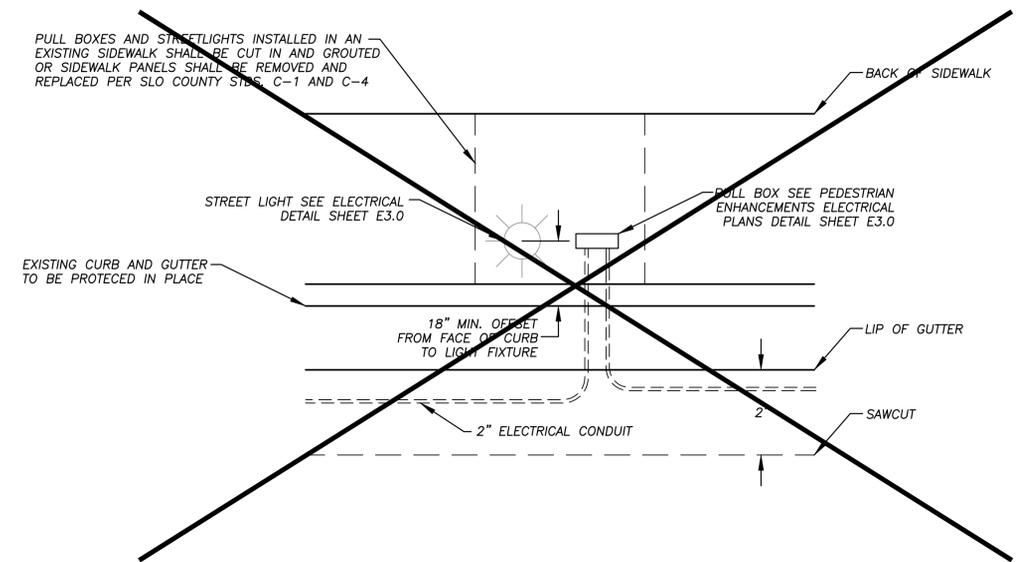


**TYPICAL SECTION**  
 N.T.S.



**ROADSIDE SIGN DETAIL**  
 N.T.S.

NOTE: SIGN SHALL CONFORM TO STANDARD STREET SIGN PER SLO. COUNTY STD. M-4



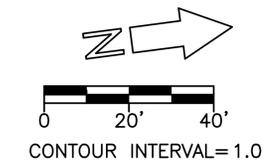
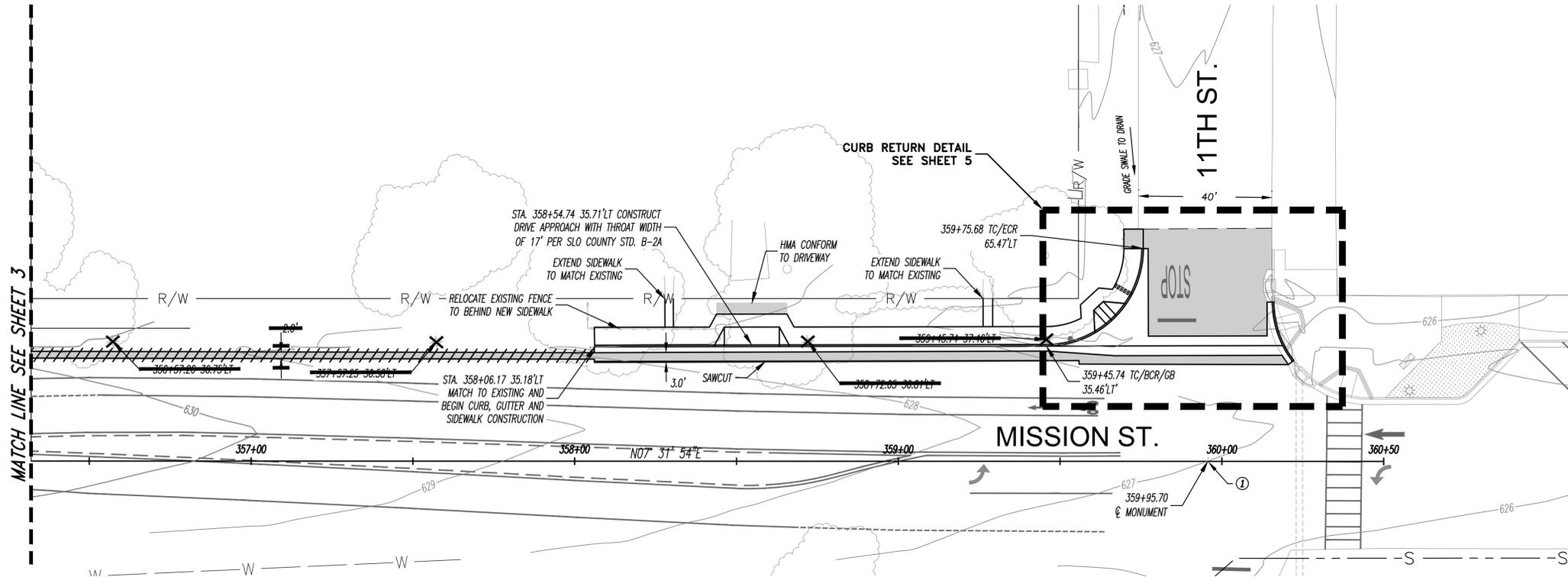
**TYPICAL SIDEWALK REPAIR DETAIL**  
 N.T.S.



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TYPICAL SECTION & 9TH ST. ADA RAMP					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Design Manager	Date
J. LAMBERT	5/2015	A. ESTRADA	5/2015	J. WERST	5/2015

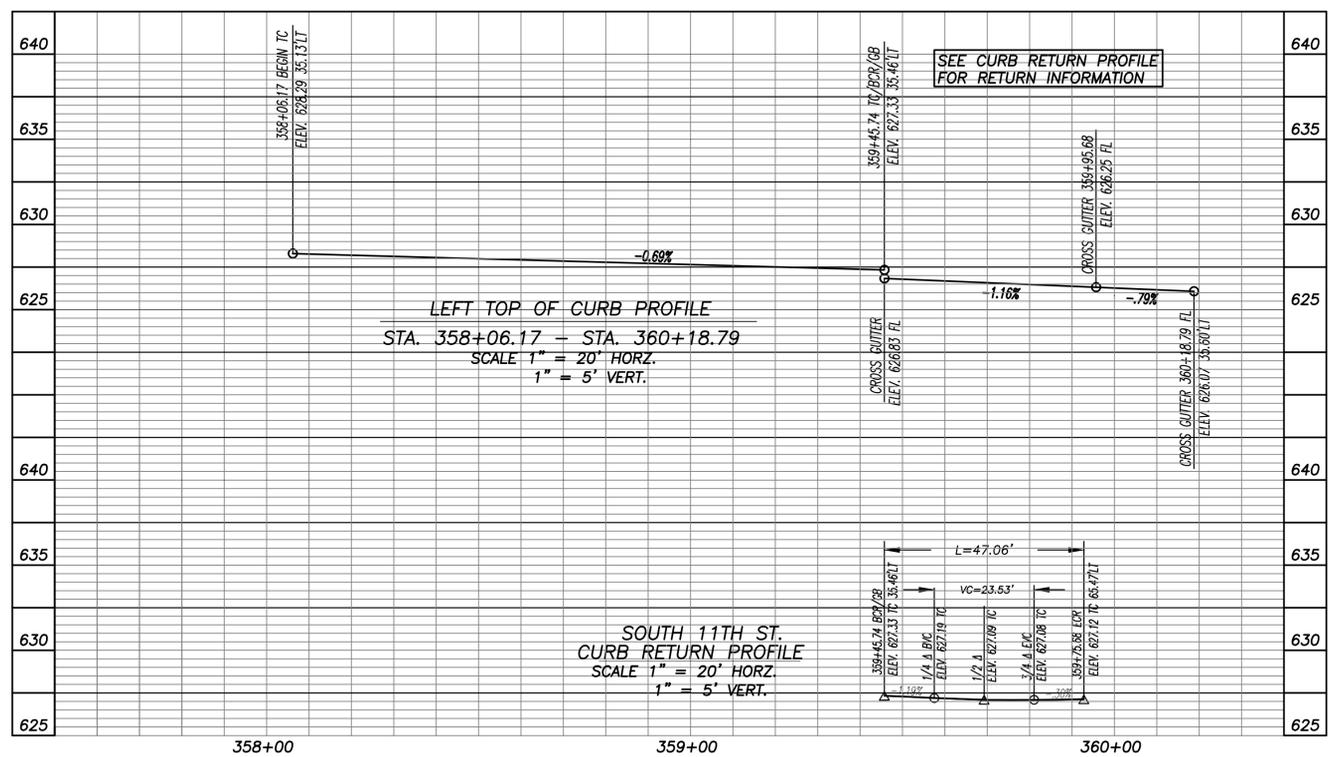


ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	4	6



- LEGEND**
- 635 — EXISTING MJR CONTOURS - 5' INTERVAL
  - 634 — EXISTING MNR CONTOURS - 1' INTERVAL
  - R/W — RIGHT OF WAY LINE
  - W — WATER LINE
  - -S — SEWER LINE
  - -S — SAWCUT LINE
  - OHE — OVER HEAD ELECTRICAL LINE
  - FENCE
  - EDGE OF PAVEMENT AND DIKE
  - SIGN
  - POWER POLE
  - LAMP POST TO BE INSTALLED AT LOCATIONS INDICATED ON PLAN AND AS DIRECTED BY THE ENGINEER. SEE ELECTRICAL PLAN.

LIMITS OF HMA REMOVAL AND CONFORM. COMPLETE STRUCTURAL SECTION REMOVAL SHALL OCCUR FROM BACK OF CURB TO SAWCUT CONFORMS AND WITHIN CROSS GUTTER LIMITS. LIMITS SHOWN EAST OF THE CROSS GUTTER ON 10TH AND 11TH STREET ARE SUBJECT TO HMA REMOVAL ONLY

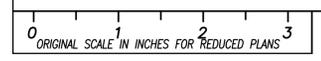
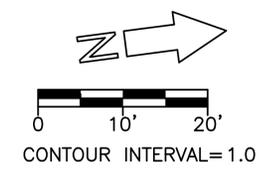
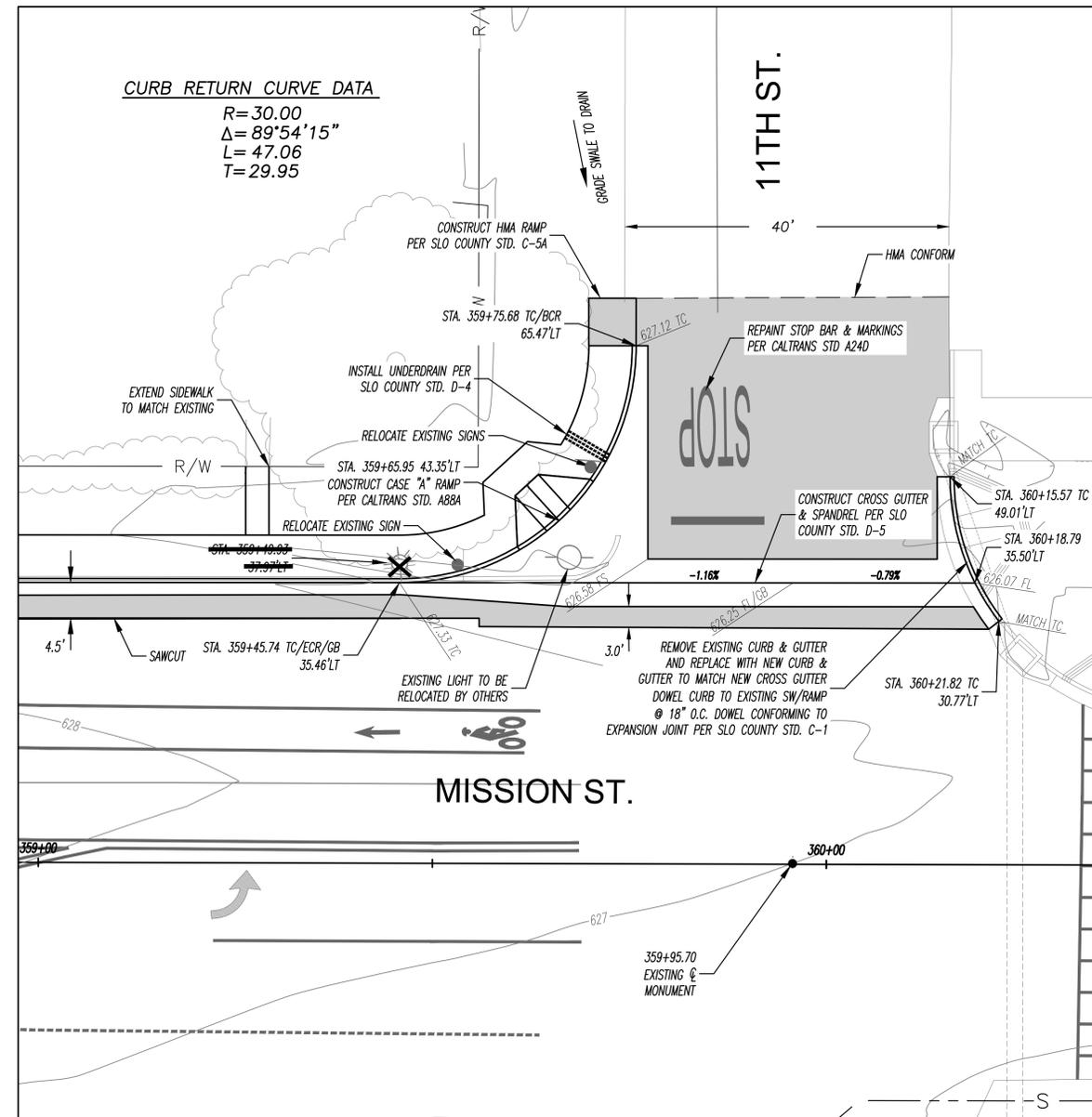
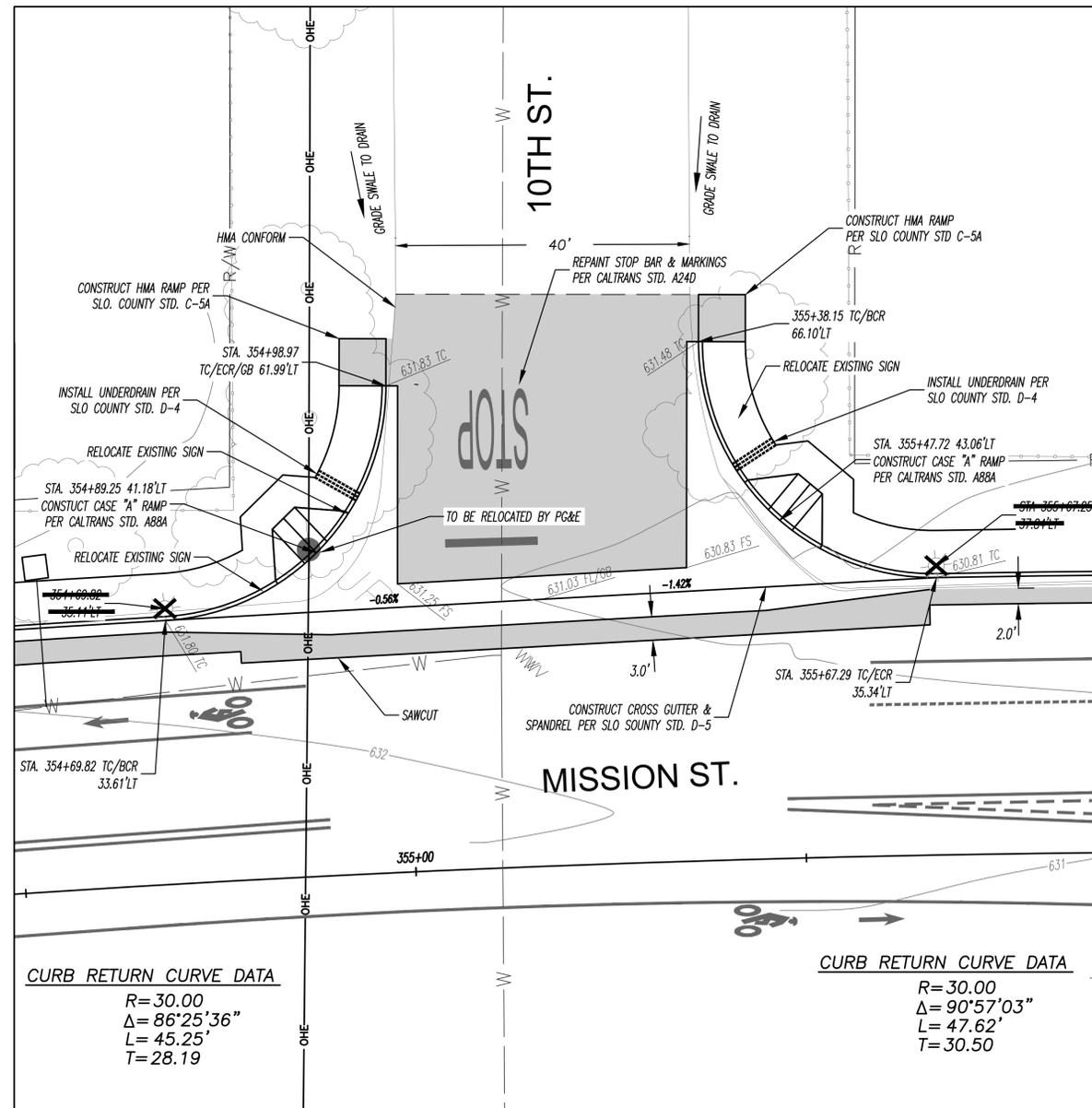


- BENCHMARK:**  
 BM# TBM M-12 ELEV 624.65  
 BRASS DISK IN MON. WELL AT INTERSECTION OF MISSION AND 12TH. ST. (FD. MON. NO.17)  
 F.B. 6028 PG.2.120 NGVD 88 DATUM
- BASIS OF BEARINGS:**  
 THE CENTERLINE OF MISSION STREET (fm'y CALIF. STATE HWY. NO. 101) BETWEEN FOUND MONUMENTS ① AND ② BEING N72°3'E PER THE SURVEY OF THE S.P.R.R. DEPOT GROUNDS RECORDED AT BOOK 5, PAGE 110 OF RECORDS OF SURVEY IN THE OFFICE OF THE SAN LUIS OBISPO COUNTY RECORDER.
- FOUND MONUMENTS:**
- ① BRASS DISK IN MON. WELL INTERSECTION OF 11TH AND MISSION ST. RESET BY COUNTY, NO RECORD, ACCEPTED FOR "SPIKE & TIN" PER SLO CO. F.B. 6016, PG. 1.010
  - ② BRASS DISK IN MON. WELL INTERSECTION OF 12TH AND MISSION ST. PER SLO CO. F.B. 6016, PG. 1.016
  - ③ BRASS DISK IN MON. WELL INTERSECTION OF 9TH AND MISSION ST. PER SLO. CO. F.B. 6016, PG. 1.016



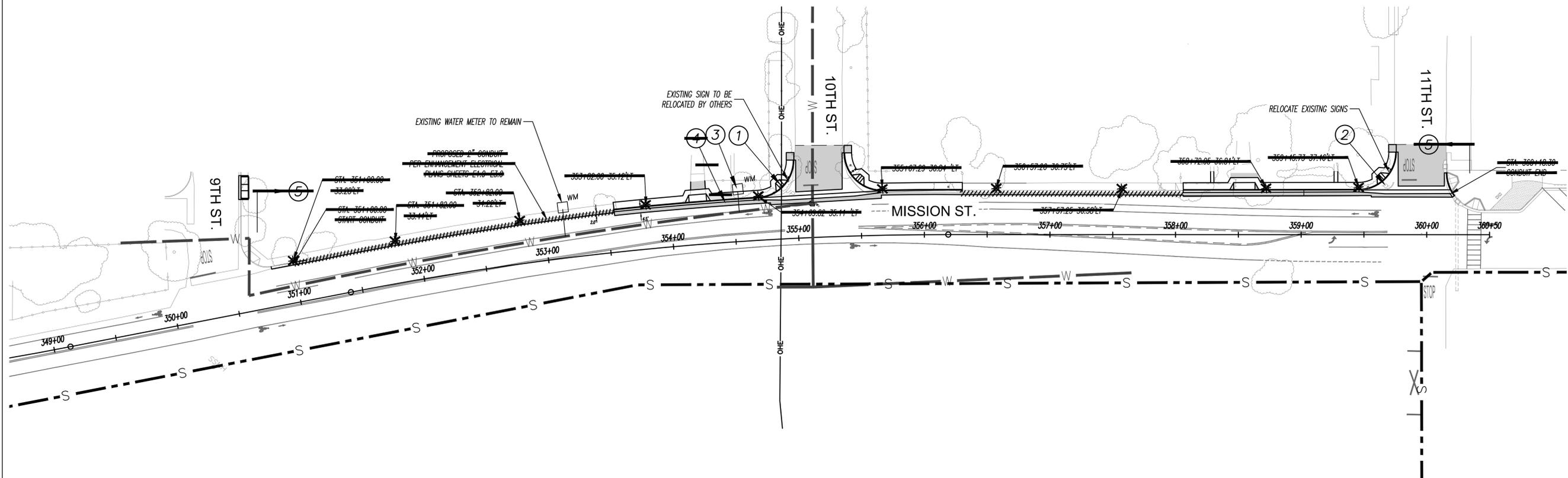
Designer	Date	Drawn By	Date	Design Engineer	Date
J.LAMBERT	05/2015	A.ESTRADA	05/2015	J.WERST	05/2015

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	5	6



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
CURB RETURN DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Design Manager	Date
J. LAMBERT	5/2015	A. ESTRADA	5/2015	J. WERST	5/2015

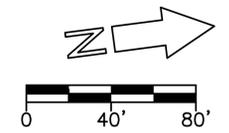
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	6	6



**LEGEND**

	LWP POST TO BE INSTALLED AT LOCATIONS INDICATED ON PLAN AND AS DIRECTED BY THE ENGINEER. SEE ELECTRICAL PLANS
	EXISTING WATER VALVE BOX TO BE ADJUSTED TO GRADE
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING OVER HEAD ELECTRICAL LINE
	PROPOSED 2" ELECTRICAL CONDUIT

EXISTING UTILITY LOCATIONS ARE APPROXIMATE, ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION BY THE CONTRACTOR



**UTILITY NOTES**

- ① PG&E TO RELOCATE EXISTING POWER POLE.
- ② PG&E TO RELOCATE EXISTING LIGHT AND POLE.
- ③ ADJUST IN PLACE EXISTING WATER METER BOX BY SMCS.
- ~~④ POTENTIAL CONFLICT WITH SMCS WATER MAIN AND PROPOSED STREET LIGHT CONDUIT PER THOMA ELECTRIC PLANS E2.0 (STA. 351+00.1 TO STA. 355+10.1)~~
- ~~⑤ REFER TO E2.0 AND E2.1 ON THOMA PLANS FOR PROPOSED ELECTRICAL CONDUIT AND LIGHT STANDARDS.~~



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
COMPOSITE UTILITY PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Design Manager	Date
J. LAMBERT	5/2015	A. ESTRADA	5/2015	J. WERST	5/2015



# COUNTY OF SAN LUIS OBISPO

## IMPROVEMENT PLANS FOR:

# SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS

### FEDERAL PROJECT NO.: STPL-5949(139)

### TO BE SUPPLEMENTED BY STATE STANDARD PLANS DATED MAY 2006

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	C-1	21



#### SITE BENCHMARK

THE ORTHOMETRIC HEIGHTS (ELEVATIONS) ARE BASED ON THE NORTH AMERICAN DATUM OF 1988 (NAVD88) AS REALIZED BY THE PUBLISHED ELEVATION OF 622.661 FEET FOR THE CALIFORNIA DEPARTMENT OF TRANSPORTATION CONTROL MONUMENT DESIGNATED AS "SLO/101/PM-67.23".

#### BASIS OF BEARINGS

THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983, 2010 ADJUSTMENT [NAD83(2010)], EPOCH DATE OF 1991.35.

THE PROJECTION USED IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 5 PROJECTION.

THIS SURVEY IS TIED TO TWO CALIFORNIA DEPARTMENT OF TRANSPORTATION CONTROL MONUMENTS DESIGNATED AS "SLO/101/PM-67.23" HAVING A PUBLISHED NORTHING OF 2477585.923 AND EASTING OF 5759007.410; AND "SLO/101/PM-63.52" HAVING A PUBLISHED NORTHING OF 2458895.295 AND EASTING OF 5761301.739. THE RESULTING BEARING FROM "SLO/101/PM-67.23" TO "SLO/101/PM-63.52" BEING: S06°59'54"E. THE BEARINGS SHOWN HEREON ARE REFERENCED TO CCS83, ZONE 5 GRID NORTH.

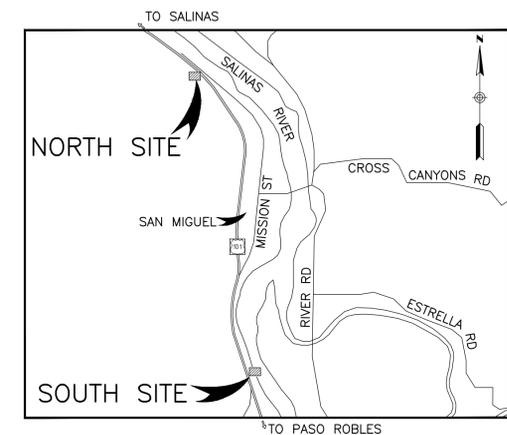
ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GRID DISTANCES OF THE CALIFORNIA COORDINATE SYSTEM OF 1983 ZONE 5 PROJECTION. THE PUBLISHED COMBINED SCALE FACTOR FOR "SLO/101/PM-63.52" IS 0.99996092. DIVIDE THE DISTANCES HEREON BY THE COMBINED SCALE FACTOR TO OBTAIN GROUND DISTANCES FOR THIS PROJECT. ALL DISTANCES SHOWN ARE U.S. SURVEY FEET.

#### LEGEND

	PROPOSED:	EXISTING:
DAYLIGHT LINE & CUT/FILL LINE	_____	_____
MAJOR CONTOUR	_____ 14 _____	_____ 14 _____
MINOR CONTOUR	_____ 14 _____	_____ 14 _____
FINISHED SURFACE ELEVATION (FS)	• FS 14.56	• FS 14.56
TOP OF CURB ELEVATION (TC)	• TC 14.56	• TC 14.56
FINISH GRADE ELEVATION (FG)	• FG 14.5	• FG 14.5
FLOWLINE ELEVATION (FL)	• FL 14.56	• FL 14.56
PAVEMENT STRIPE	=====	=====
GUTTER	=====	=====
FLOWLINE	=====	=====
CURB	=====	=====
STORM DRAIN	=====	===== SD =====
SIGN	⊙	⊙
POWER POLE	⊙	⊙
OVERHEAD ELECTRIC WIRE	⊙	⊙ OHE
TELEPHONE WIRE	⊙	⊙ T
FIBER OPTIC	⊙	⊙ FO
GUARD RAIL	=====	=====
TREE	⊙	⊙
EDGE OF PAVEMENT	=====	=====

#### INDEX OF SHEETS

SHT. NO.	DRAWING NO.	DESCRIPTION
1	C-1	TITLE SHEET
2	C-2	NORTH GATEWAY EXCAVATION AND GRADING PLAN
3	C-3	SOUTH GATEWAY EXCAVATION AND GRADING PLAN
4	A-1	ARCHITECTURAL DETAILS
5	A-2	ARCHITECTURAL DETAILS
6	A-3	ARCHITECTURAL DETAILS
7	S1.01	STRUCTURAL COVER SHEET
8	S1.02	STRUCTURAL GENERAL NOTES
9	S1.03	STRUCTURAL GENERAL NOTES
10	S2.01	SIGN ELEVATION AND FOUNDATION PLAN
11	S6.01	TYPICAL STRUCTURAL DETAILS
12	S6.02	STRUCTURAL DETAILS
13	L-1	LANDSCAPE SCHEDULE, NOTES & DETAILS
14	L-2	LANDSCAPE DETAILS
15	L-3	NORTH GATEWAY LANDSCAPE PLAN
16	L-4	SOUTH GATEWAY LANDSCAPE PLAN
17	E0.1	ELECTRICAL GENERAL NOTES AND LEGEND
18	E1.1	NORTH GATEWAY ELECTRICAL PLAN
19	E1.2	SOUTH GATEWAY ELECTRICAL PLAN
20	E2.1	ELECTRICAL MONUMENT ELEVATIONS
21	E3.1	ELECTRICAL MONUMENT DETAILS



VICINITY MAP  
NOT TO SCALE

- NOTES:
- IN ALL CASES WHERE NEW IMPROVEMENTS ARE TO MATCH EXISTING IMPROVEMENTS, THE CONSTRUCTION SURVEYOR SHALL VERIFY THE ELEVATION OF THE EXISTING IMPROVEMENTS AND CONFIRM THAT THOSE ELEVATIONS MATCH THE DESIGN, THE SURVEYOR SHALL NOTIFY THE ENGINEER OF WORK IF ANY DISCREPANCIES ARE FOUND.
  - ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO THE COUNTY OF SAN LUIS OBISPO STANDARDS AND SPECIFICATIONS, OR OTHER STANDARDS AS NOTED ON THESE PLANS OR IN THE SPECIFICATIONS.

\_\_\_\_\_, 20\_\_\_\_  
APPROVED  
  
\_\_\_\_\_  
DEPUTY DIRECTOR OF PUBLIC WORKS

Donald A. Druze  
 PROJECT ENGINEER      4/24/15  
 DATE

**RICK**  
 ENGINEERING COMPANY  
 711 TANK FARM ROAD - SUITE 110  
 SAN LUIS OBISPO, CA 93401  
 805.544.0707  
 (FAX) 805.544.2052  
 rickengineering.com  
 San Luis Obispo      San Diego      Riverside      Orange      Sacramento      Phoenix      Tucson

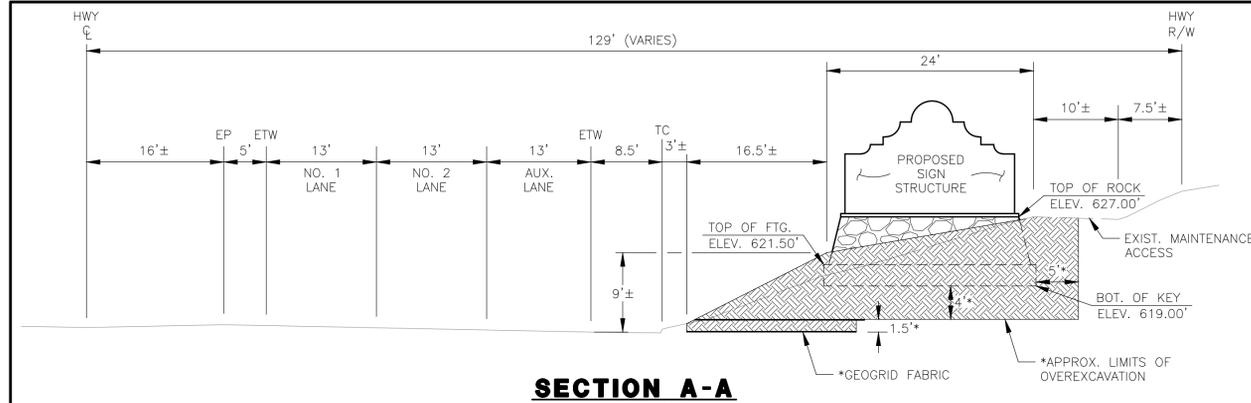


SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TITLE SHEET					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
R. HAYES	4/24/15	R. HAYES	4/24/15	M. BRITTON	4/24/15

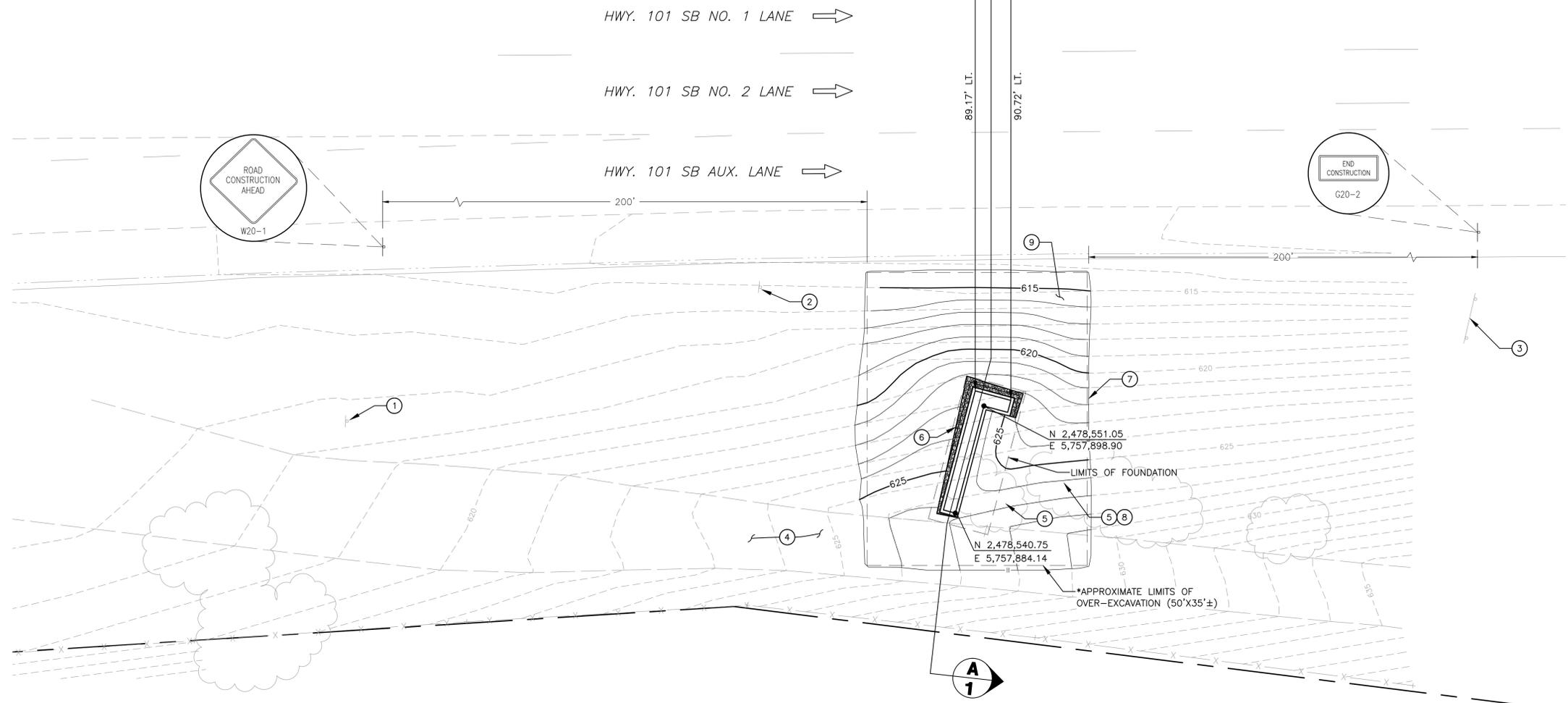
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	C-2	21

**CONSTRUCTION NOTES:**

- ① "HISTORIC EL CAMINO REAL" BELL TO BE RELOCATED ADJACENT TO PROPOSED ENTRY SIGN, PER SIGN ARCHITECT. SEE LEFT AND STRUCTURAL PLANS FOR FOUNDATION DETAILS.
- ② EXISTING R44B(CA) TRAFFIC SIGN TO REMAIN, PROTECT IN PLACE.
- ③ EXISTING EXIT SIGN TO REMAIN, PROTECT IN PLACE.
- ④ EXISTING 10' WIDE MAINTENANCE ROAD TO REMAIN.
- ⑤ REMOVE EXISTING SHRUB.
- ⑥ CONSTRUCT NEW ENTRY SIGN STRUCTURE PER ARCHITECT AND STRUCTURAL DRAWINGS.
- ⑦ LIMITS OF GRADING.
- ⑧ SOLAR PANEL LOCATION, SEE LIGHTING PLAN.
- ⑨ SLOPE STABILIZATION GEOTEXTILE.



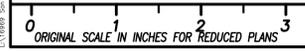
\*OVEREXCAVATION, BACKFILL, AND GEOGRID MATERIALS AND PLACEMENT SHALL BE PER THE PROJECT GEOTECHNICAL REPORT, PREPARED BY EARTH SYSTEMS PACIFIC, DATED JULY 14, 2014.



Thomas E. Martin  
 No. 64222  
 CIVIL  
 STATE OF CALIFORNIA

Project Engineer: *Thomas E. Martin*  
 Date: 4/24/15

**RICK**  
 ENGINEERING COMPANY  
 711 TANK FARM ROAD - SUITE 110  
 SAN LUIS OBISPO, CA 93401  
 805.544.0707  
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 rickengineering.com  
 San Luis Obispo San Diego - Riverside - Orange - Sacramento - Phoenix - Tucson

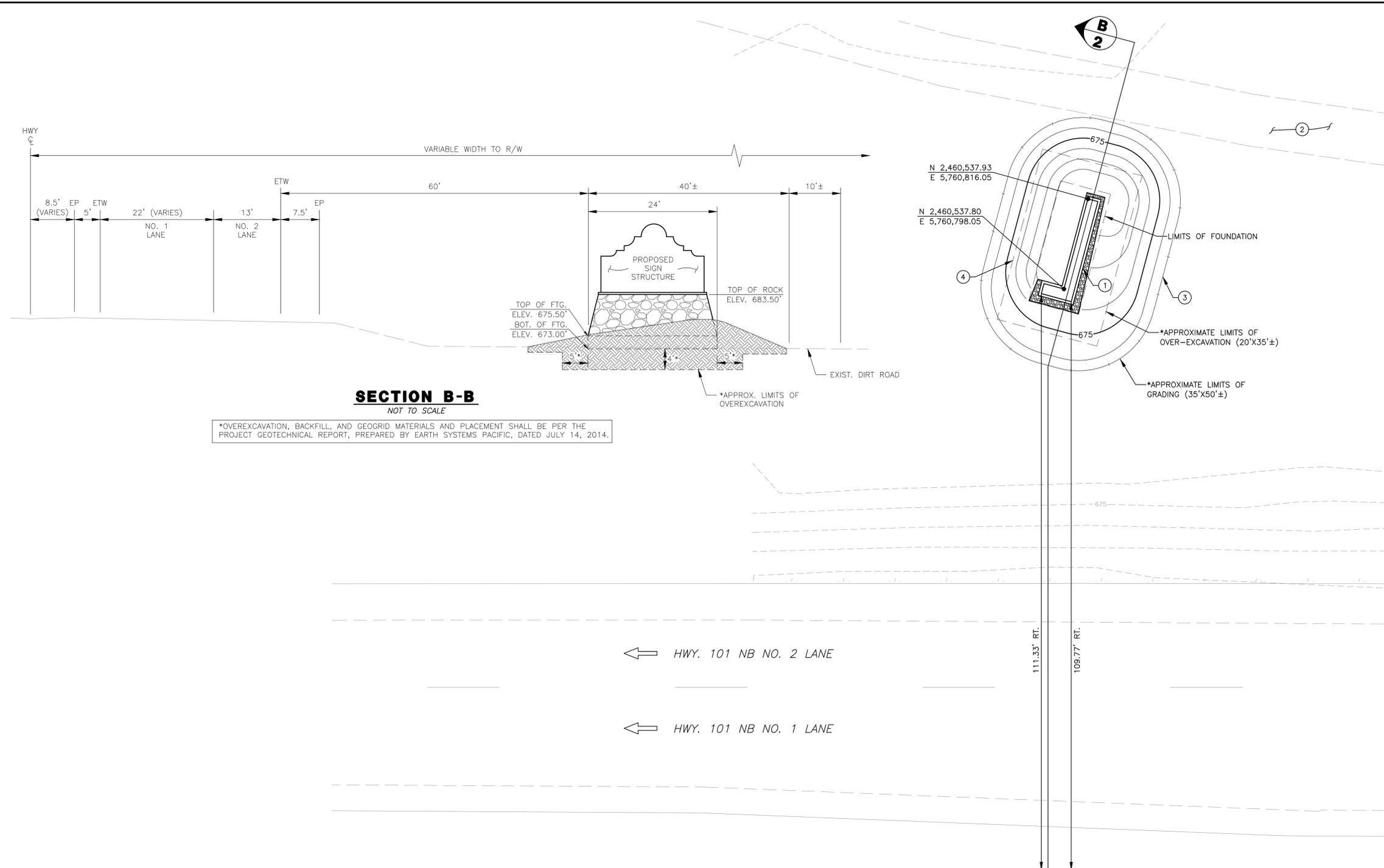


SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
NORTH GATEWAY EXCAVATION AND GRADING PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
R. HAYES	4/24/15	R. HAYES	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	C-3	21

**CONSTRUCTION NOTES:**

- ① CONSTRUCT NEW ENTRY SIGN STRUCTURE PER ARCHITECT AND STRUCTURAL DRAWINGS.
- ② EXISTING 10' WIDE DIRT ROAD TO REMAIN.
- ③ LIMITS OF GRADING.
- ④ SOLAR PANEL LOCATION, SEE LIGHTING PLAN.



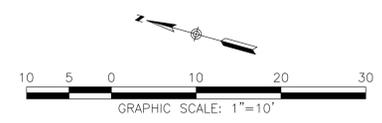
**SECTION B-B**  
NOT TO SCALE

\*OVEREXCAVATION, BACKFILL, AND GEOGRID MATERIALS AND PLACEMENT SHALL BE PER THE PROJECT GEOTECHNICAL REPORT, PREPARED BY EARTH SYSTEMS PACIFIC, DATED JULY 14, 2014.

**RICK**  
ENGINEERING COMPANY  
San Luis Obispo

711 TANK FARM ROAD - SUITE 110  
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805.544.0707  
(FAX) 805.544.2052  
rickengineering.com  
San Diego - Riverside - Orange - Sacramento - Phoenix - Tucson

REGISTERED PROFESSIONAL ENGINEER  
THOMAS E. MARTIN  
No. 64222  
CIVIL  
STATE OF CALIFORNIA  
*Thomas E. Martin*  
PROJECT ENGINEER  
4/24/15  
DATE



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
SOUTH GATEWAY EXCAVATION AND GRADING PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
R. HAYES	4/24/15	R. HAYES	4/24/15	M. BRITTON	4/24/15

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	A-1	21

**PIERRE RADEMAKER DESIGN**

1041 CHORRO STREET, SUITE 230  
SAN LUIS OBISPO, CALIFORNIA 93401  
rademakerdesign.com  
TELEPHONE: 805/544-7774

CLIENT:  
Rick Engineering  
711 Tank Farm Road,  
Suite 110, San Luis Obispo,  
CA 93401

PROJECT:  
**San Miguel Gateway  
and Pedestrian  
Enhancements**

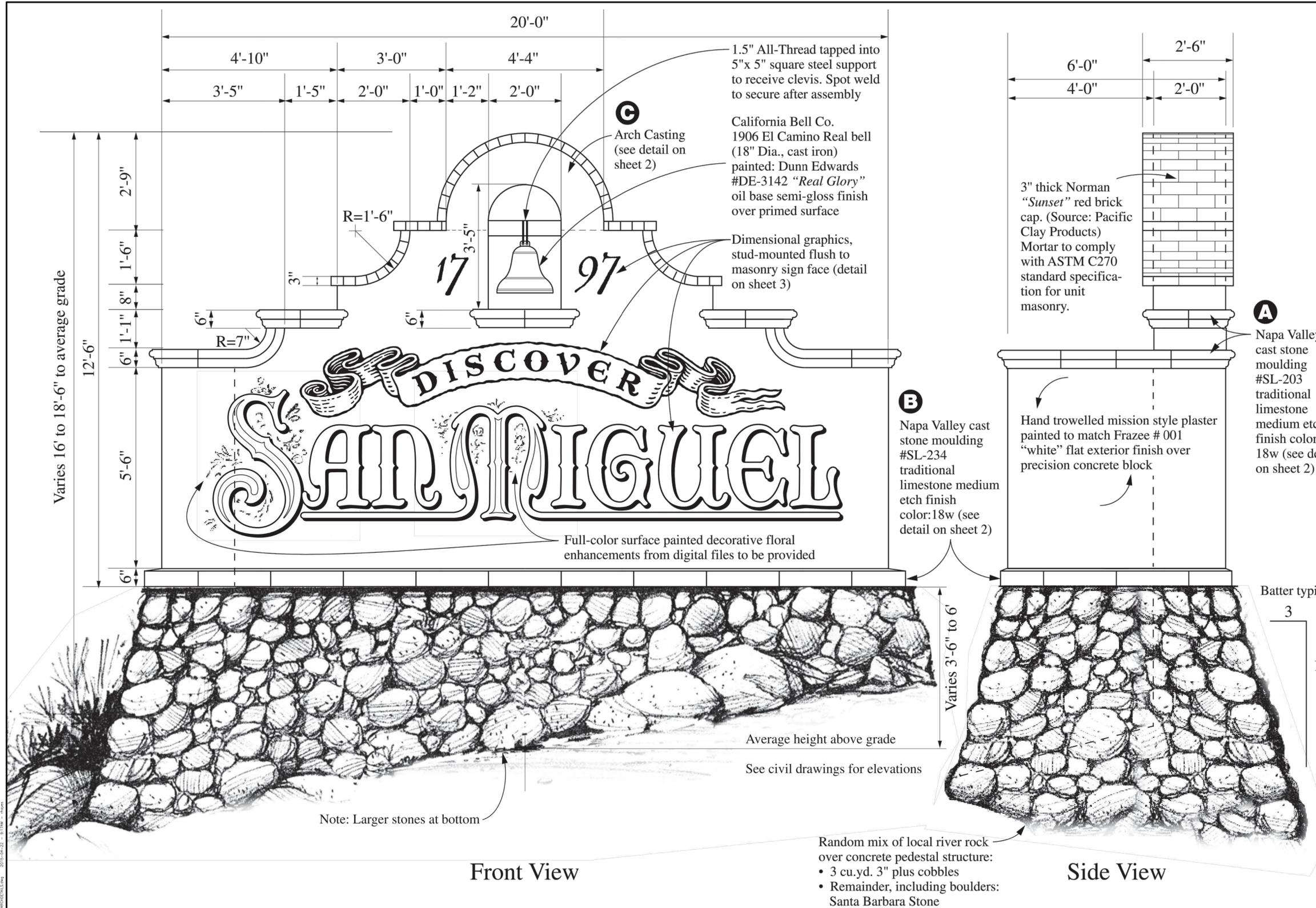
SHEET CONTENTS:  
Sign Elevations

DRAWN BY: PR/TL/DS  
CHECKED BY: PR  
DATE: 08-08-13  
REVISED: 07-10-14  
04-17-15

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF PIERRE RADEMAKER DESIGN, AND WERE CREATED, DEVELOPED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF PIERRE RADEMAKER DESIGN. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB, AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THE OFFICE FOR APPROVAL, BEFORE PROCEEDING WITH FABRICATION.

JOB NO.: RK-1401

SHEET NO.:  
**1** OF 3



S M E r S  
 S: 3/4" = 1'0"



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ARCHITECTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
PR	4/24/15	PR	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	A-2	21

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JOB NO.: RK-1401

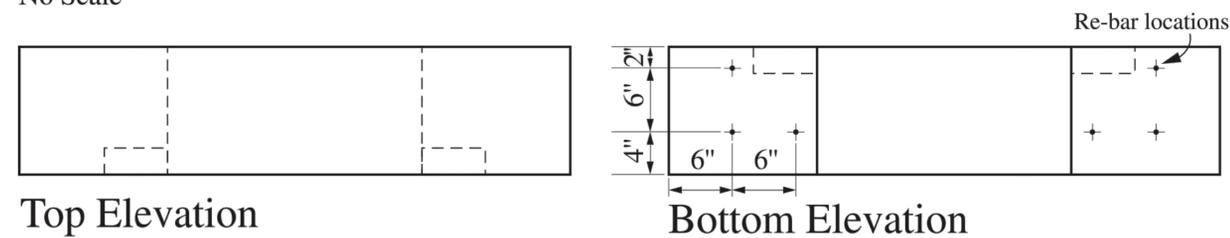
SHEET NO.:

**2** OF 3



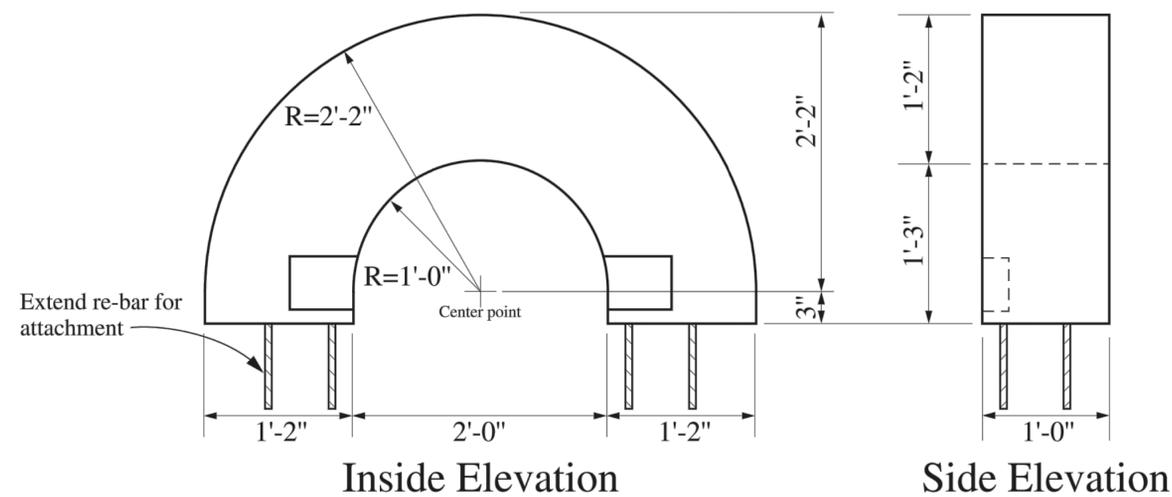
## Color Rendering

No Scale



Top Elevation

Bottom Elevation

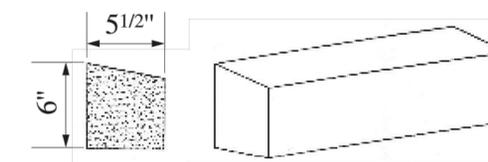


Inside Elevation

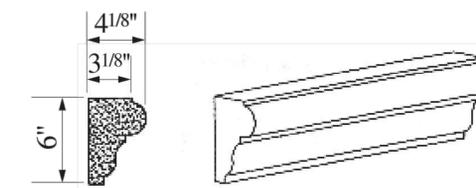
Side Elevation

## Arch Casting Details (2 required per sign)

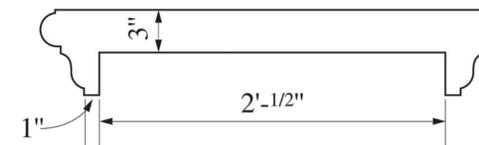
Scale: 3/4" = 1'-0"



**B** Napa Valley cast stone moulding #SL-234  
traditional limestone medium etch finish color:18w



**A** Napa Valley cast stone moulding #SL-203  
traditional limestone medium etch finish color:18w

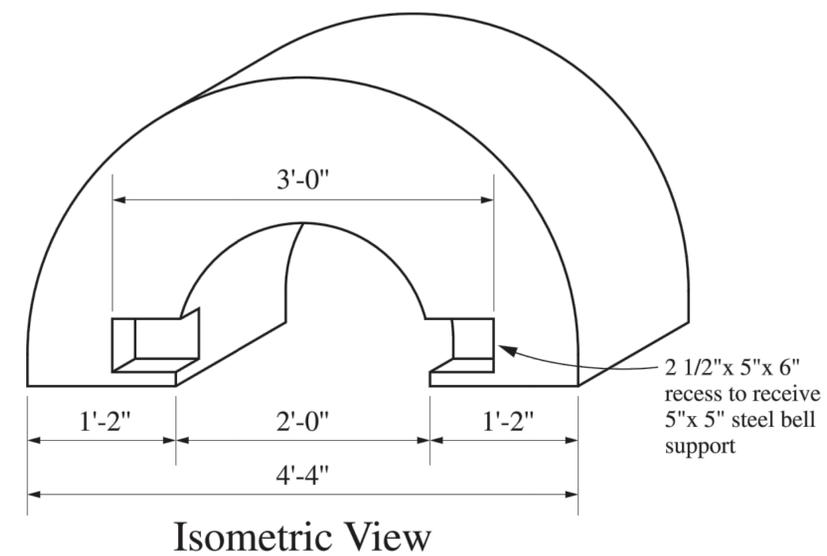


**A** Full cap option section

Note: Mouldings to be applied to surface with thin-set mortar at 3/8" thickness typical. 1/2" joints to be grouted.

## Trim Details

Scale: 1" = 1'-0"



Isometric View

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ARCHITECTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
PR	4/24/15	PR	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
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17

97

Date numerals to be 1/2" thick flat-cut aluminum, painted (C-34 dark metallic bronze). Final color to be specified with paint chip.

Full-color floral decorative enhancements to be painted directly on wall. Final digital graphic files to be provided to fabricator by Rademaker Design.

Letter fill to be maroon

Banner fabricated as reverse pan channel shape with 2" returns, blind stud mount

Powder coat or single stage urethane finish on base coat, sign grade paint for graphics (color to simulate parchment)



1/2" deep recess areas in decorative capitals to be painted to match Frazee #1407 "Rusty Nail"

Letters fabricated as reverse pan channel letters with 2" returns, blind stud mount

Powder coat or single stage urethane finish, painted (C-34 dark metallic bronze with satin black edges). Final color to be specified with paint chip.

Notes:

- Digital vector files for all graphic components will be provided to fabricator by Rademaker Design.
- All graphic elements to be flush stud-mounted to masonry sign face.

Sign Graphics

Scale: 3/4" = 1'-0"

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SHEET CONTENTS:  
Graphic Details

DRAWN BY: PR/TL/DS

CHECKED BY: PR

DATE: 07-10-14

REVISED: 04-17-15

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JOB NO.: RK-1401

SHEET NO.:

3 OF 3

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ARCHITECTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
PR	4/24/15	PR	4/24/15	M. BRITTON	4/24/15

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ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-1	21

## ABBREVIATIONS

AB	ANCHOR BOLT	EXCAV.	EXCAVATE	NWC	NORMAL WEIGHT CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE	EXT.	EXTERIOR	OC	ON CENTER
ADD.	ADDITIONAL	FAB.	FABRICATION, FABRICATED	OD	OUTSIDE DIAMETER
ADJ.	ADJACENT	FDN.	FOUNDATION	OF	OUTSIDE FACE
AGGR.	AGGREGATE	FF	FAR FACE	OH	OVERSIZED HOLE
AIA	AMERICAN INSTITUTE OF ARCHITECTS	FIG.	FIGURE	OPNG.	OPENING
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FIN.	FINISH	OPP.	OPPOSITE
AISI	AMERICAN IRON AND STEEL INSTITUTE	FLR.	FLOOR	ORIG.	ORIGINAL
AL.	ALUMINUM	FN	FIELD NAIL	PCF	POUNDS PER CUBIC FOOT
ALT.	ALTERNATE	FRMG.	FRAMING	PERM.	PERMANENT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FS	FAR SIDE	PERP.	PERPENDICULAR
APPROX.	APPROXIMATE	FT.	FEET OR FOOT	PL.	PLATE
ARCH.	ARCHITECT OR ARCHITECTURAL	FTG.	FOOTING	PLF	POUNDS PER LINEAR FOOT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GA.	GAGE OR GAUGE	PNL.	PANEL
ASPH.	ASPHALT	GALV.	GALVANIZE OR GALVANIZED	PROJ.	PROJECT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GB	GRADE BEAM	PSF	POUNDS PER SQUARE FOOT
AVG.	AVERAGE	GC	GENERAL CONTRACTOR	PSI	POUNDS PER SQUARE INCH
AWS	AMERICAN WELDING SOCIETY	GL	GRID LINE	PT.	POINT
B/D	BOTTOM OF DECK	GLB	GLUED LAMINATED BEAM	PT	POST TENSIONED
BLDG.	BUILDING	GR.	GRADE	PTDF	PRESSURE TREATED DOUGLAS FIR
BLK(G).	BLOCK(ING)	GRND.	GROUND	PW.	PLYWOOD
BM.	BEAM	GYP. BD.	GYPSUM BOARD	QTY.	QUANTITY
BN	BOUNDARY NAIL	HD	HOLDOWN	R	RADIUS
BP	BASE PLATE	HDR.	HEADER	REF.	REFERENCE
BS	BOTH SIDES	HGR.	HANGER	REINF.	REINFORCE, REINFORCEMENT OR REINFORCING
BOT.	BOTTOM	HK.	HOOK	REV.	REVISE OR REVISION
BRG.	BEARING	HT.	HEIGHT	REQD.	REQUIRED
	CHANNEL	HORIZ.	HORIZONTAL	S	SOUTH
	CANTILEVER	HSS	HOLLOW STRUCTURAL SECTION	SCHED.	SCHEDULE
	CANT.	IBC	INTERNATIONAL BUILDING CODE	SECT.	SECTION
	CBC	ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS	SF	STRUT FORCE
	CC	ICC	INTERNATIONAL CODE COUNCIL	SHTG.	SHATHING
	CF	ID	INSIDE DIAMETER	SHT.	SHEET
	CJ	IF	INSIDE FACE	SIM.	SIMILAR
	CJP	IN.	INCHES	SK.	SKETCH
	CL	INCL.	INCLUDE OR INCLUDED	SM	SHEET METAL
	CLG.	INFO.	INFORMATION	SOG	SLAB ON GRADE
	CLR.	INT.	INTERIOR	SP.	SPIRAL
	CMU	JT(S).	JOINT(S)	SPECS.	SPECIFICATIONS
	COL.	K	KIP (1,000 LBS.)	SQ.	SQUARE
	CONC.	KO.	KNOCKOUT	SS	STAINLESS STEEL
	COORD.	LB(S).	POUND(S)	SSH	SHORT SLOTTED HOLE
	CONN.	L	ANGLE	STAGG.	STAGGERED
	CONST.	LAM.	LAMINATED	STD.	STANDARD
	CONT.	LG.	LONG	STG.	STRONG
	CSK.	LGTH.	LENGTH	STIFF.	STIFFENER
	CTR.	LHE	LOW HYDROGEN ELECTRODE	STIR.	STIRRUP
	CY	LL	DOUBLE ANGLE	STL.	STEEL
		LL OR JL	LIVE LOAD	STRUCT.	STRUCTURAL
		LLB	LONG LEG BACK TO BACK	SW	SHEAR WALL
		LLH	LONG LEG HORIZONTAL	SYMM.	SYMMETRICAL
		LLV	LONG LEG VERTICAL	T/	TOP OF
		LLV	LONG LEG VERTICAL	T/F	TOP OF CONCRETE FOUNDATION
		LONGIT.	LONGITUDINAL	T&B	TOP AND BOTTOM
		LSH	LONG SLOTTED HOLE	T&G	TONGUE AND GROOVE
		LSH	LONG SLOTTED HOLE	THK.	THICK
		LT.	LIGHT	THRU	THROUGH
		LWC	LIGHT WEIGHT CONCRETE	TOT.	TOTAL
		MATL.	MATERIAL	TRANS.	TRANSVERSE
		MB	MACHINE BOLT	T/S	TOP OF STEEL
		MAX.	MAXIMUM	T/W	TOP OF WALL
		MECH.	MECHANICAL	TYP.	TYPICAL
		MED.	MEDIUM	UNO	UNLESS NOTED OTHERWISE
		MET.	METAL	VERT.	VERTICAL
		MEZZ.	MEZZANINE	VIF	VERIFY IN THE FIELD
		MFR.	MANUFACTURER	W	WEST
		MIN.	MINIMUM	W/	WITH
		MISC.	MISCELLANEOUS	WD.	WOOD
		MIX.	MIXTURE	W/O	WITHOUT
		MULT.	MULTIPLE	WP	WORK POINT
		(N)	NEW	WT.	WEIGHT
		N	NORTH	WT.	STRUCTURAL TEE
		NF	NEAR FACE	WWF	WELDED WIRE FABRIC
		NO.	NUMBER		
		NOM.	NOMINAL		
		NS	NEAR SIDE		
		NTS	NOT TO SCALE		

## SYMBOL LEGEND

	SLOPE DIRECTION DOWN
	SPAN DIRECTION
(00'-0")	STEEL ELEVATION
00'-0"	MISCELLANEOUS ELEVATION
00'-0"	FLOOR OR STEEL ELEVATION
[00]	REQUIRED NUMBER OF HEADED SHEAR STUDS
	RIGID CONNECTION
C=0"	CAMBER UP
	ELEVATION INDICATOR
	STEP IN CONTINUOUS FOOTING INDICATOR
	CHANGE (STEP) IN ELEVATION INDICATOR

FOR ADDITIONAL SYMBOLS SEE THE FOLLOWING:

WELDING	AWS
STEEL	AISC AND SEE ARCHITECTURAL SYMBOLS
CONCRETE	ACI AND SEE ARCHITECTURAL SYMBOLS
MASONRY	SEE ARCHITECTURAL SYMBOLS
WOOD	SEE ARCHITECTURAL SYMBOLS

SYMBOLS AND ABBREVIATIONS FOR CONCRETE (as per ACI)

#	To Indicate Size of Deformed Bar.
Ø	Plain Rounds, as Spirals
AT	Spacing Center to Center
	Direction in Which Bars Extend
	Limits of Area Covered By Bars

## DRAWING LIST

S-1	COVER SHEET
S-2	GENERAL NOTES
S-3	GENERAL NOTES
S-4	SIGN ELEVATION AND FOUNDATION PLAN
S-5	TYPICAL STRUCTURAL DETAILS
S-6	STRUCTURAL DETAILS

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**john a. martin**  
**associates**  
 san luis obispo structural engineering, inc.



PROJECT ENGINEER DATE  
 04/24/15



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
STRUCTURAL COVER SHEET					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	04/24/15	SMM	04/24/15	M. BRITTON	04/24/15

# GENERAL NOTES

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-2	21

**A. GENERAL**

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE DESIGNER AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- DO NOT SCALE THE DRAWINGS.
- NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND THE TYPICAL DETAILS.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES: THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE, AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND IN THE PROJECT SPECIFICATIONS.
- SEE THE DESIGNERS DRAWINGS FOR THE FOLLOWING:
  - SIZE AND LOCATION OF OPENINGS.
  - MOULDING AND FINISHES.
  - DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- SEE ELECTRICAL DRAWINGS FOR THE FOLLOWING:
  - PIPES, SLEEVES, TRENCHES, ETC., EXCEPT AS SHOWN OR NOTED.
  - ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
  - ANCHORAGE AND BRACING FOR ELECTRICAL EQUIPMENT TO THE STRUCTURE.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING AND SHORING FOR LOADS DUE TO WIND OR SEISMIC FORCES, CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE COUNTY INSPECTOR SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURE.
- ALL SPECIFICATIONS AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.
- CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING AND EARTH WORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, UTILITIES, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- CONCRETE MIX DESIGN AND MASONRY COMPONENTS DESIGN SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL CONSIST OF 2 BOND SETS, ONLY ONE COPY WILL BE RETURNED, OR 1 ELECTRONIC SET.
- ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM THE CONTRACT DOCUMENTS.
- WIND LOAD CRITERIA:  
 BASIC WIND SPEED: 100 MPH  
 WIND IMPORTANCE FACTOR  $I_w = 1.0$   
 WIND EXPOSURE: C  
 SOLID FREESTANDING WALLS AND SIGNS PRESSURE: 19.6 PSF
- SEISMIC DESIGN CRITERIA:  
 RISK CATEGORY: I  
 SEISMIC IMPORTANCE FACTOR:  $I_e = 1.0$   
 SPECTRAL RESPONSE ACCELERATIONS:  $S_s = 1.494$      $S_1 = 0.536$   
 SPECTRAL RESPONSE COEFFICIENTS:  $SDS = 0.996$      $SD1 = 0.536$   
 SITE CLASS: D  
 SEISMIC DESIGN CATEGORY: D  
 SEISMIC RESPONSE COEFFICIENT:  $C_s = 0.332$   
 RESPONSE MODIFICATION FACTOR(S):  $R = 3.0$  (SIGNS AND BILLBOARDS)

**B. REVIEW OF SPECIALTY ITEMS AND PRE-ENGINEERED ELEMENTS - NOT USED**

**C. FOUNDATION**

- FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY: EARTH SYSTEMS PACIFIC  
 REPORT NO.: SL-17331-SA  
 DATED: JULY 14, 2014
- FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF WITH AN ALLOWABLE INCREASE OF ONE-THIRD FOR LOADS OF SHORT DURATION, INCLUDING WIND AND SEISMIC FORCES. SLIDING RESISTANCE DESIGN IS BASED ON A COEFFICIENT OF FRICTION OF 0.4 COMBINED WITH PASSIVE PRESSURE OF 250 PCF, WITHOUT REDUCTION.
- CONTRACTOR SHALL PROVIDE FOR PROPER DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
- CONTRACTOR SHALL PROVIDE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS.
- EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN THE EXCAVATIONS ARE READY FOR INSPECTION. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER.
- ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH.
- FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS AND THE CIVIL ENGINEERS DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE GEOTECHNICAL ENGINEER, FOOTING ELEVATIONS OR FOOTING DESIGNS WILL BE ALTERED BY CHANGE ORDER.
- FOOTING BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS, TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING WILL NOT BE PERMITTED.
- ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED.

**D. SPECIAL INSPECTIONS**

- THE COUNTY SHALL EMPLOY A REGISTERED DESIGN PROFESSIONAL TO PROVIDE STRUCTURAL OBSERVATIONS AND A STATEMENT OF SPECIAL INSPECTIONS AS NOTED IN SECTIONS 1705 AND 1709 OF THE CBC.
- SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK AND SHALL BE IN COMPLIANCE WITH CBC SECTION 1704:

VERIFICATION AND INSPECTION	FREQUENCY	
	CONTINUOUS	PERIODIC
CONCRETE BASED ON $f'_c = 3000$ PSI		
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT.	-	X
2. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X
3. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-
MASONRY (LEVEL B)		
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	-	X
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
A. PROPORTIONS OF SITE-PREPARED MORTAR.	-	X
B. CONSTRUCTION OF MORTAR JOINTS.	-	X
C. LOCATION OF REINFORCEMENT	-	X
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
A. GROUT SPACE	-	X
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT	-	X
C. PLACEMENT OF REINFORCEMENT	-	X
D. PROPORTIONS OF SITE-PREPARED GROUT	-	X
E. CONSTRUCTION OF MORTAR JOINTS.	-	X
4. VERIFY DURING CONSTRUCTION:		
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	-	X
B. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))	-	X
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	-	X
SOILS		
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY SITE HAS BEEN PREPARED PROPERLY.	-	X
POST INSTALLED ANCHORS		
1. FOLLOW ICC-ES REPORT FOR INSTALLATION AND INSPECTION REQUIREMENTS.	PER ICC-ES REPORT 2713	-

**E. CONCRETE**

- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE', ACI 318, AND THE 'SPECIFICATIONS FOR STRUCTURAL CONCRETE', ACI 301, LATEST EDITIONS, WITH MODIFICATIONS AS NOTED ON THE DESIGN DRAWINGS OR SPECIFICATIONS.
- REINFORCED CONCRETE DESIGN IS BY THE ULTIMATE STRENGTH DESIGN METHOD.
- ALL MIX DESIGNS SHALL BE PREPARED BY A QUALIFIED CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA AND BEAR HIS WET SEAL AND SIGNATURE. THE DESIGNS FOR EACH TYPE OF CONCRETE STRENGTH SPECIFIED SHALL STATE THE PROJECT NAME AND LOCATION OF USAGE.
- SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS & TYPES:
 

LOCATIONS IN STRUCTURE	STRENGTH (PSI)	TYPE
FOOTINGS	3000	HARD ROCK
RETAINING WALLS/PEDESTAL	3000	HARD ROCK
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE V IN CONTACT WITH SOIL AND TYPE II ELSEWHERE. CONCRETE EXPOSED TO SOILS CONTAINING SULFATES SHALL COMPLY WITH CBC SECTION 1904.2.
- CONCRETE MIXES MAY CONTAIN FLY ASH. THE FLY ASH SHALL CONFORM TO ASTM C618 CLASS F.
- AGGREGATE FOR HARD ROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
- NON-SHRINK, NON METALLIC GROUT UNDER MOULDINGS, ETC. SHALL HAVE A MINIMUM  $f'_c = 7000$  PSI.
- CONCRETE MIXING OPERATIONS, ETC., SHALL CONFORM TO ASTM C94.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 304 AND PROJECT SPECIFICATIONS. SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
- THOROUGHLY CLEAN AND ROUGHEN ALL CONCRETE PREVIOUSLY POURED AND HARDENED TO RECEIVE NEW CONCRETE. INTERFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF 1/4" UNLESS NOTED OTHERWISE.
- CLEAR COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS:
 

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
B. CONCRETE EXPOSED TO EARTH OR WEATHER: NO 5 BAR AND SMALLER	1 1/2
- ALL REINFORCING BARS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- ELECTRICAL CONDUITS WHICH PASS THROUGH WALLS DO NOT REQUIRE SLEEVES, UNLESS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS, OR ELECTRICAL DRAWINGS. IF SLEEVES ARE REQUIRED, INSTALL SLEEVES BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE WITH SLEEVE PLACEMENT. CORING OPENINGS IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

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 san luis obispo structural engineering, inc.



04/24/15  
 PROJECT ENGINEER DATE



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
STRUCTURAL GENERAL NOTES					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	04/24/15	SMM	04/24/15	M. BRITTON	04/24/15

# GENERAL NOTES

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-3	21

**E. MASONRY**

- MASONRY CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF ACI 530.
- IT SHALL BE THE RESPONSIBILITY OF THE MASONRY CONTRACTOR TO UTILIZE COMPONENTS (MASONRY UNITS, MORTAR AND GROUT) NECESSARY TO ACHIEVE THE SPECIFIED  $f'_m$  (1500 PSI UNO) AS INDICATED IN THE DRAWINGS. IN NO CASE SHALL ANY OF THE COMPONENTS HAVE A COMPRESSIVE STRENGTH LESS THAN THE SPECIFIED  $f'_m$  NOR SHALL THE GROUT HAVE A COMPRESSIVE STRENGTH LESS THAN 2000 PSI. COMPONENTS MAY BE UTILIZED PER THE UNIT STRENGTH METHOD OF CBC SECTION 2105.2.2.1.2 IN COMPLIANCE WITH SECTION 1705.12 ACCORDING TO THE FOLLOWING CHART.

$f'_m$	GROUT	MORTAR	BLOCK
1500 PSI	2000 PSI	TYPE S	1900 PSI

IF CBC SECTION 2105.2.2.2 IS USED IN LIEU OF THE ABOVE METHOD ADDITIONAL INFORMATION SHALL BE INCLUDED WITH THE MASONRY SUBMITTAL AS INDICATED IN ITEM 3 BELOW.

MASONRY SUBMITTAL SHALL INCLUDE A LETTER FROM THE MASON STATING:

THE  $f'_m$  TO BE ACHIEVED.  
THE TYPE AND STRENGTH OF BLOCK TO BE USED.  
THE TYPE AND STRENGTH OF MORTAR, WITH ANY ADMIXTURES TO BE USED.  
THE TYPE AND STRENGTH OF THE GROUT, WITH ANY ADMIXTURES TO BE USED.

- IF PRISM TESTING PER CBC SECTION 2105.2.2.2 IS USED TO DETERMINE COMPRESSIVE STRENGTH, THE FOLLOWING SHALL BE ATTACHED TO THE MASONS LETTER:

CERTIFICATES FROM THE BLOCK MANUFACTURER STATING STRENGTH AND CEMENT TYPE USED. MIX DESIGNS FOR THE MORTAR OR PRODUCT INFORMATION FOR PREMIXED MORTAR. MIX DESIGNS FOR THE GROUT AND PRODUCT DATA SHEETS FOR ALL ADMIXTURES TO BE USED RESULTS OF THE PRISM TEST.

- ALL MIX DESIGNS SHALL BE PREPARED BY A QUALIFIED ENGINEER LICENSED IN THE STATE OF CALIFORNIA AND BEAR HIS WET SEAL AND SIGNATURE. THE DESIGNS FOR EACH TYPE OF MASONRY STRENGTH SPECIFIED SHALL STATE THE PROJECT NAME AND LOCATION OF USAGE.
- CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
- CONCRETE BLOCK SHALL BE HOLLOW LOAD BEARING CONCRETE MASONRY UNITS CONFORMING TO C90 GRADE N, MEDIUM WEIGHT. USE OPEN END UNITS AS REQUIRED, AND BOND BEAM UNITS AT HORIZONTAL REINFORCING. MINIMUM COMPRESSIVE STRENGTH OF BLOCKS AS REQUIRED TO MEET SPECIFIED COMPRESSIVE STRENGTH OF MASONRY ( $f'_m$ ) SPECIFIED ON THE CONSTRUCTION DOCUMENTS.
- MORTAR MIX SHALL CONFORM TO THE ASTM C270 REQUIREMENTS FOR TYPE S. MORTAR SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH AS REQUIRED TO MEET THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY ( $f'_m$ ). IN NO CASE SHALL THE COMPRESSIVE STRENGTH OF THE MORTAR BE LESS THAN 2000 PSI AT 28 DAYS.
- PROVIDE GROUT COMPLYING WITH ASTM C476 ATTAINING A MINIMUM COMPRESSIVE STRENGTH AS REQUIRED TO MEET THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY ( $f'_m$ ).
- GROUT SHALL NOT CONTAIN FLY ASH IF THE SPECIFIED  $f'_m$  IS 2500 PSI OR GREATER.
- REINFORCING BARS – SEE NOTES UNDER 'REINFORCING STEEL' FOR REQUIREMENTS. USE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

**E. MASONRY CONT.**

- PROVIDE A MINIMUM OF 1/2 INCH GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
- MAXIMUM GROUT POUR HEIGHT SHALL COMPLY WITH SECTION 1.16 AND TABLE 1.16.1 OF ACI 530.
- ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, UNLESS NOTED OTHERWISE IN THE DRAWINGS.
- CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.
- REFER TO DESIGNER'S DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.

**F. REINFORCING STEEL (FOR CONCRETE AND MASONRY)**

- ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' (ACI 318) AND THE 'MANUAL OF STANDARD PRACTICE' BY CRSI AND WCRSI, AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
- DEFORMED REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60, EXCEPT TIES STIRRUPS, WHICH MAY BE GRADE 40, UNLESS NOTED OTHERWISE.
- WELDING OF REINFORCING SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- SPLICES SHALL BE MADE ONLY AS AND WHERE INDICATED ON THE STRUCTURAL DRAWINGS.
- DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, UNO.
- ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.

**G. EPOXY**

- INSTRUCTIONS FOR ADHESIVE ANCHORING OF REBAR AND BOLTS REFERRED TO BELOW AS BAR(S).
- BARS MUST BE DEFORMED OR THREADED FOR THE FULL EMBEDMENT DEPTH IN ADHESIVE.
- LOCATE THE POSITION OF ALL MISSING BARS AND REINSTALL NEW BARS IN THESE LOCATIONS.
- DRILLED HOLE DIAMETER SHALL BE PER MANUFACTURER RECOMMENDATIONS AS SET FORTH IN THE ICC REPORT. DRILL TO DEPTH RECOMMENDED BY THE MANUFACTURER AS SET FORTH IN THE ICC REPORT UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- REMOVE ALL DIRT, DUST, WATER, AND ICE BY VACUUM UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER IN THE ICC REPORT FROM THE HOLES.
- CLEAN DIRT, RUST, AND OIL FROM THE BARS.
- DURING THE EPOXY MIXING AND APPLICATION PROCESS, FOLLOW THE EPOXY MANUFACTURER'S SPECIFICATIONS EXACTLY. INSPECTOR TO VERIFY EXPIRATION DATE OF EPOXY.
- VERTICAL HOLES TO BE FILLED FROM THE BOTTOM ARE TO USE AN EPOXY GEL.
- THE FOLLOWING EPOXIES ARE ACCEPTABLE:  
CONCRETE  
HILTI HIT-RE 500-SD (ICC ESR-2322)  
SIMPSON SET-XP (ICC ESR-2508)  
OR APPROVED EQUAL  
MASONRY  
HILTI HIT HY 150 MAX (ICC ESR-1967)  
OR APPROVED EQUAL

**H. STRUCTURAL OBSERVATIONS**

- THE ENGINEER OF RECORD REQUIRES STRUCTURAL OBSERVATION AT STAGES OF CONSTRUCTION NOTED BELOW. THE COUNTY SHALL PROVIDE THE STRUCTURAL OBSERVATIONS AS DEFINED IN SECTION 1704.5 OF THE 2013 CBC.
- THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS BEFORE COMPLETION OR COVERING UP THE FOLLOWING STAGES OF CONSTRUCTION:
  - FOUNDATION REINFORCING PLACEMENT
  - PEDESTAL AND WALL REINFORCING PLACEMENT
- THE COUNTY SHALL PROVIDE THE STRUCTURAL ENGINEER OF RECORD WITH DOCUMENTATION AFTER OBSERVATIONS INCLUDING BUT NOT LIMITED TO:
  - ITEMS OBSERVED
  - PHOTOGRAPHS, SKETCHES, ETC. OF ITEMS NOT IN COMPLIANCE WITH THE APPROVED DRAWINGS

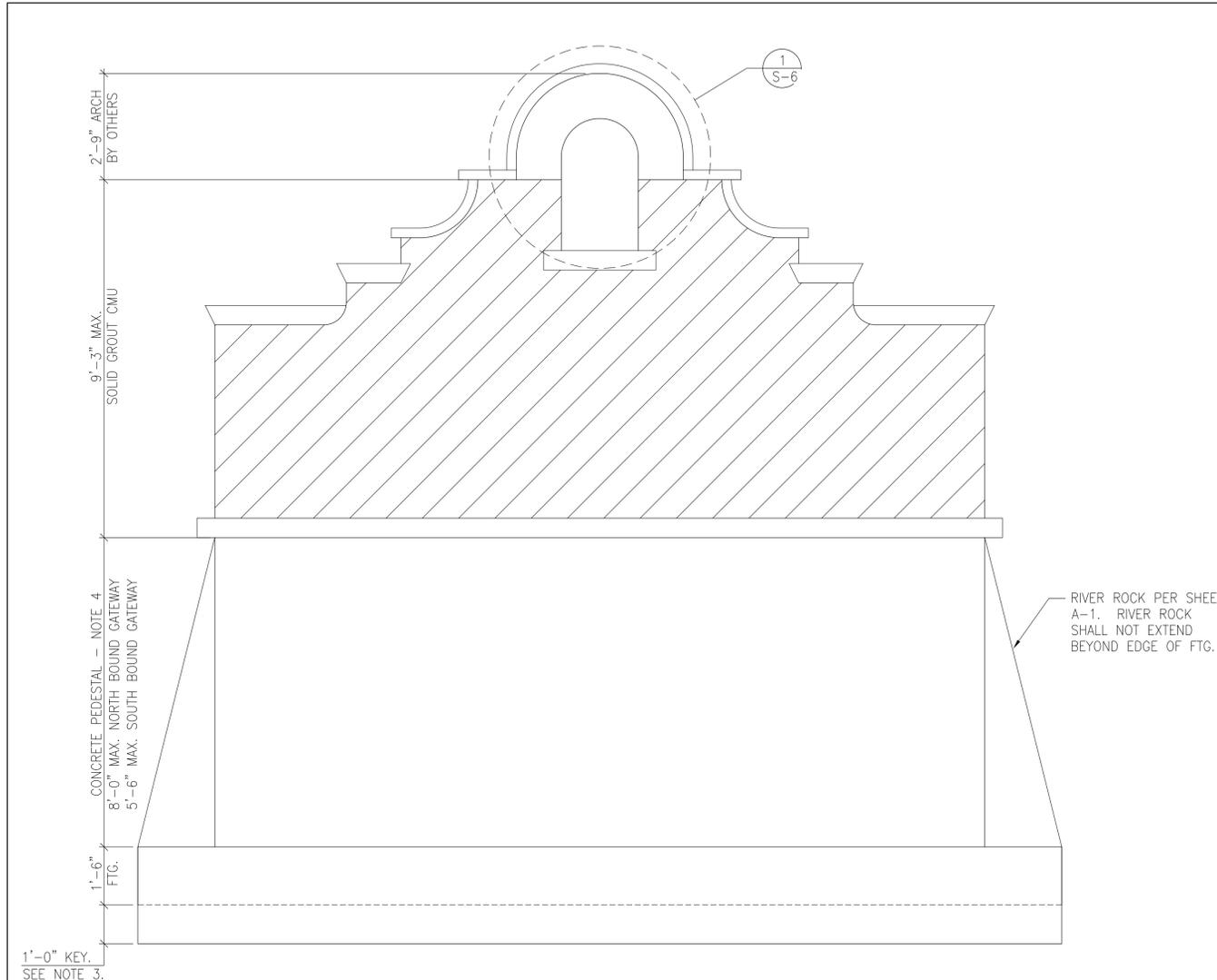
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san luis obispo structural engineering, inc.



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
STRUCTURAL GENERAL NOTES					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	04/24/15	SMM	04/24/15	M. BRITTON	04/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-4	21



RIVER ROCK PER SHEET A-1. RIVER ROCK SHALL NOT EXTEND BEYOND EDGE OF FTG.

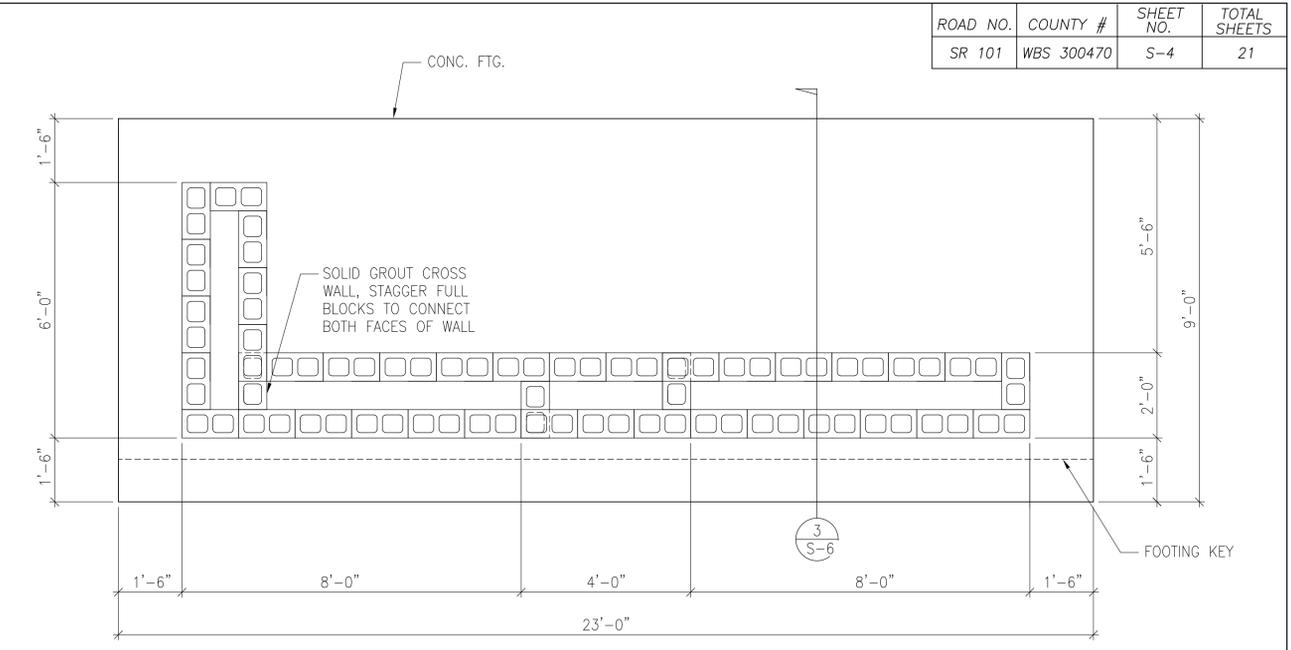
1'-0" KEY. SEE NOTE 3.

- NOTES:
- SIGN SHAPE AND FINISH IS PER RADEMAKER DESIGN. SEE RADEMAKER DESIGN'S DRAWINGS FOR ADDITIONAL INFORMATION (SHEETS A-1 THRU A-3).
  - FOR ADDITIONAL INFORMATION SEE 2
  - THE KEY IS ONLY REQUIRED AT THE SOUTH BOUND GATEWAY (NORTHERN MOST) MONUMENT.
  - FOR ADDITIONAL INFORMATION INCLUDING GRADING AND CONCRETE PEDESTAL HEIGHT, SEE CIVIL DRAWINGS.

**SIGN ELEVATION**

1/2" = 1'-0"

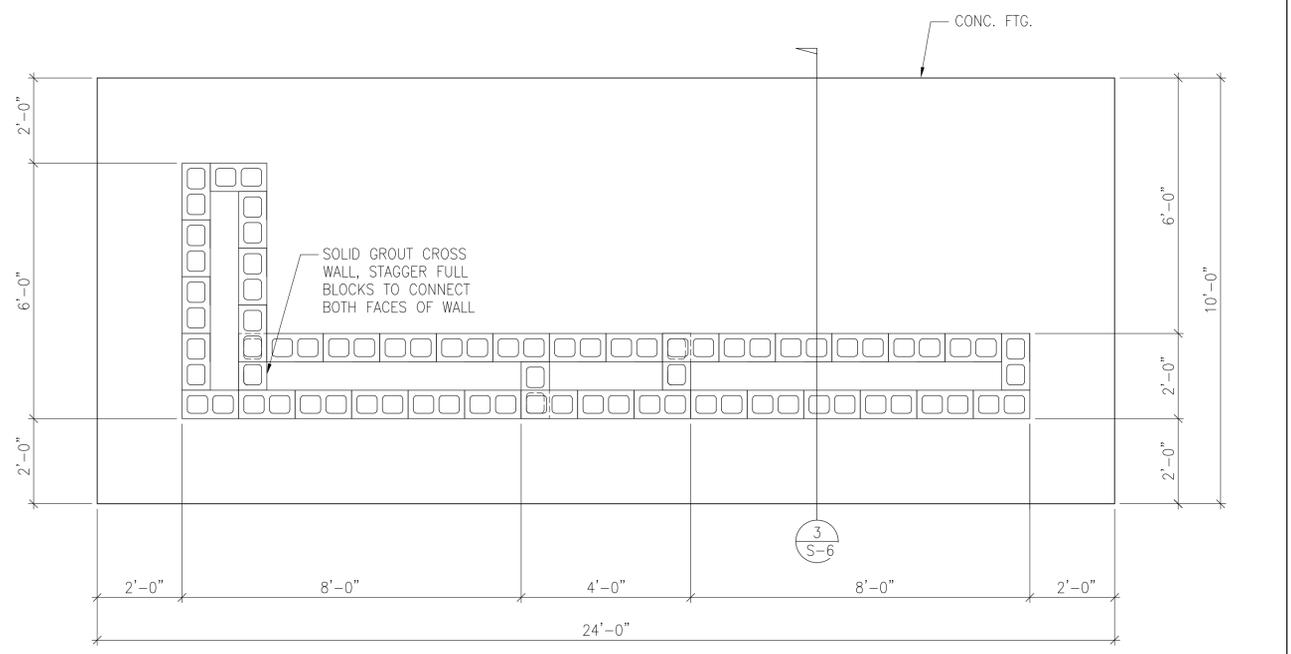
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**SOUTH BOUND GATEWAY (NORTHERN MOST) MONUMENT FOUNDATION**

1/2" = 1'-0"

2



**NORTH BOUND GATEWAY (SOUTHERN MOST) MONUMENT FOUNDATION**

1/2" = 1'-0"

3

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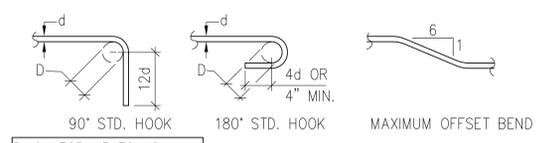
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PROJECT ENGINEER DATE 04/24/15

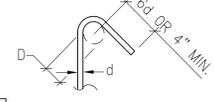


SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
SIGN ELEVATION AND FOUNDATION PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	04/24/15	SMM	04/24/15	M. BRITTON	04/24/15



D=6d FOR #3 TO #8  
 D=8d FOR #9 TO #11  
 D=12d FOR #14 AND #18

**PRINCIPAL REINFORCING**



MIN. D=1 1/2" FOR #3  
 MIN. D=2" FOR #4  
 MIN. D=2 1/2" FOR #5

**STIRRUPS AND TIES**

NOTES:  
 1 ALL BENDS SHALL BE MADE COLD.  
 2 #14 AND #18 BARS SHALL BE BEND TESTED AND LAB APPROVED PRIOR TO BENDING.

**BAR BENDS** (1)

f'c = 3000 PSI

BAR SIZE	OTHER BARS	
	CASE 1	CASE 2
#3	17	25
#4	22	33
#5	28	41
#6	33	50
#7	48	72
#8	55	82
#9	62	93
#10	70	105
#11	78	116
#14	93	139
#18	124	186

NOTES:  
 1 THIS TABLE FOR USE WITH NORMAL WEIGHT HARDBLOCK CONCRETE AND GRADE 60 UNCOATED REINFORCING BARS. FOR LIGHTWEIGHT AGGREGATE USE 1.3 Qd. Qd= TENSION DEVELOPMENT LENGTH SHOWN AT THIS TABLE.  
 2 CASES 1 AND 2 ARE DEFINED AS FOLLOWS:  
 CASE 1: COVER AT LEAST 1.0 db AND CENTER TO CENTER SPACING AT LEAST 3.0 db.  
 CASE 2: COVER LESS THAN 1.0 db OR CENTER TO CENTER SPACING LESS THAN 3.0 db

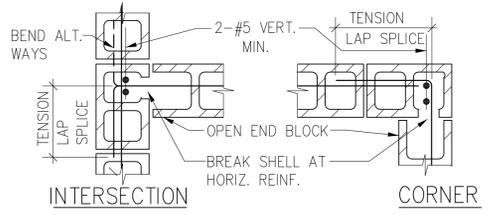
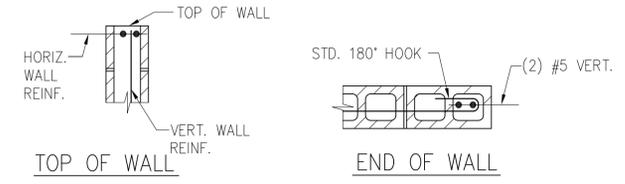
f'c = 3000 PSI

BAR SIZE	LAP CLASS	OTHER BARS	
		CASE 1	CASE 2
#3	A	17	25
	B	22	32
#4	A	22	33
	B	29	43
#5	A	28	41
	B	36	54
#6	A	33	50
	B	43	64
#7	A	48	72
	B	63	94
#8	A	55	82
	B	72	107
#9	A	62	93
	B	81	121
#10	A	70	105
	B	91	136
#11	A	78	116
	B	101	151

NOTES:  
 1 TABLE FOR USE WITH NORMAL WEIGHT HARDBLOCK CONCRETE AND GRADE 60 UNCOATED REINFORCING BARS. FOR LIGHTWEIGHT AGGREGATE USE 1.3 Qd. Qd=BASIC LAP LENGTH SHOWN AT THIS TABLE.  
 2 CLASS A - HALF OR LESS OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH. CLASS B - MORE THAN HALF OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH.  
 3 CASES 1 AND 2 ARE DEFINED AS FOLLOWS:  
 CASE 1: COVER AT LEAST 1.0 db AND CENTER TO CENTER SPACING AT LEAST 3.0 db  
 CASE 2: COVER LESS THAN 1.0 db OR CENTER TO CENTER SPACING LESS THAN 3.0 db.

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-5	21

**TENSION DEVELOPMENT LENGTH, Qd (IN INCHES)** (2)

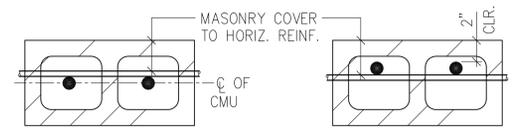


NOTE: FOR TENSION LAP SPLICE SEE (6)

**CMU WALL INTERSECTIONS** (5)

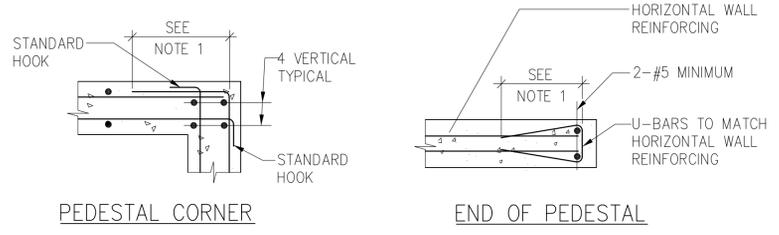
**TENSION LAP SPLICE LENGTH, Q (IN INCHES)** (3)

BAR SIZE	TENSION LAP SPLICE IN MASONRY (INCHES) FOR VERTICAL AND HORIZONTAL REINFORCING BARS							
	F'm=1500 psi				F'm=2000 psi			
	MASONRY COVER OR CLEAR SPACING BETWEEN BARS, WHICHEVER IS SMALLER				MASONRY COVER OR CLEAR SPACING BETWEEN BARS, WHICHEVER IS SMALLER			
	2.0"	2.5"	3.0"	3.5"	2.0"	2.5"	3.0"	3.5"
3	19	19	19	19	16	16	16	16
4	31	25	25	25	27	22	22	22
5	49	39	33	31	43	34	28	27
6	99	79	66	57	86	69	57	49
7	135	108	90	77	117	93	78	67
8	189	151	126	108	164	131	109	93
9	240	192	160	137	208	166	139	119



NOTES:  
 1 REINFORCING SHALL BE PLACED AS SHOWN ABOVE AND AS INDICATED ON THE DRAWINGS.  
 2 THE TABLE ABOVE ALSO APPLIES TO MULTIPLE VERTICAL BARS IN ONE CELL.  
 3 BARS SPLICED BY NON-CONTACT LAP SPLICES SHALL NOT BE SPACED TRANSVERSELY FARTHER APART THAN ONE-FIFTH THE REQUIRED LENGTH OF LAP NOR MORE THAN 8".  
 4 OPEN END UNITS MAY BE USED FOR CMU WALL CONSTRUCTION.

**TENSION LAP SPLICE IN MASONRY (INCHES)** (6)



NOTE:  
 1 USE TENSION LAP SPLICES PER DETAIL 3 THIS SHEET.

**TYPICAL REINFORCING AT CONCRETE PEDESTAL** (8)

**NOT USED** (4)

**NOT USED** (7)

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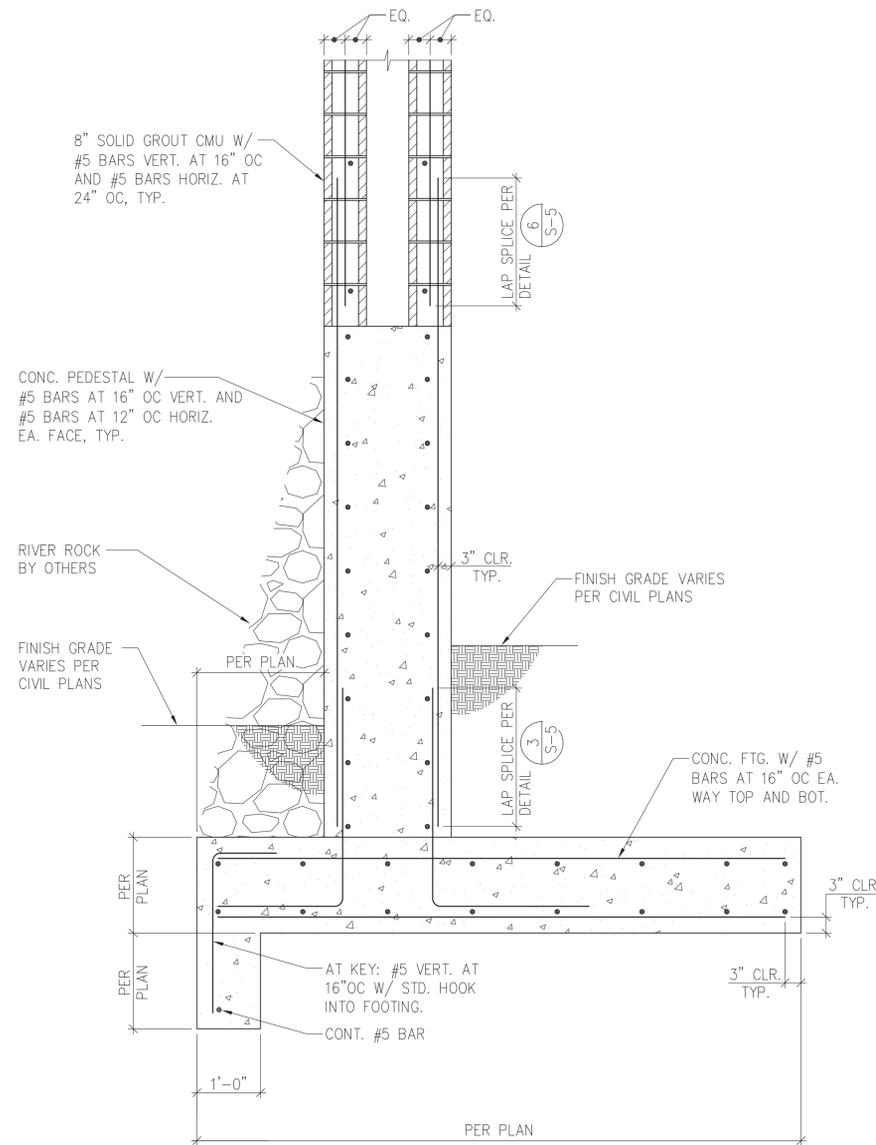


PROJECT ENGINEER DATE 04/24/15



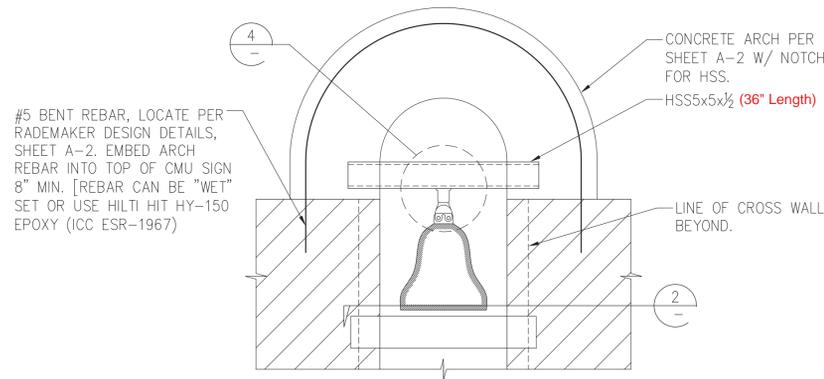
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TYPICAL STRUCTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	04/24/15	SMM	04/24/15	M. BRITTON	04/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-6	21



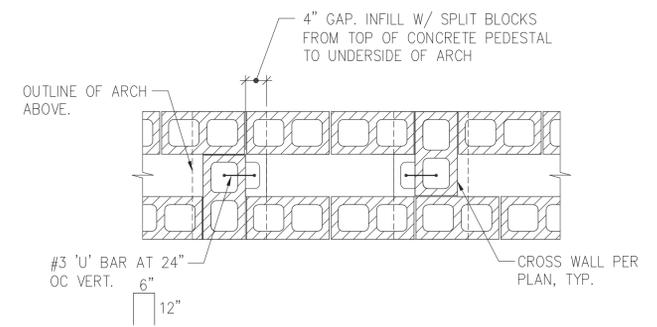
**SIGN SECTION**  
 $\frac{3}{4}'' = 1'-0''$

3



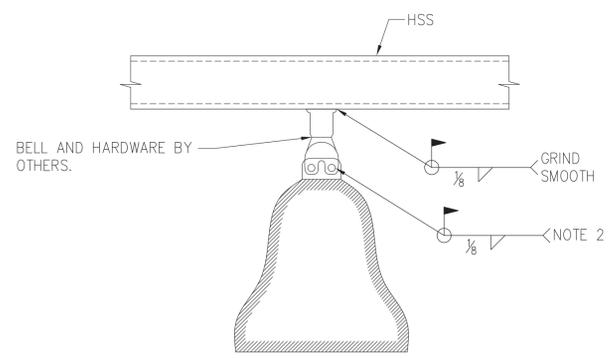
**ELEVATION AT SIGN ARCH**  
 $\frac{3}{4}'' = 1'-0''$

1



**PLAN AT SIGN ARCH OPENING**  
 $\frac{3}{4}'' = 1'-0''$

2



NOTES:  
 1. CLEAN HSS PRIOR TO WELDING BELL CONNECTION HARDWARE. PAINT HSS PER SHEET A-1 AFTER WELDING HARDWARE.  
 2. AFTER BELL MANUFACTURE'S BOLTS HAVE BEEN INSTALLED: WELD BOLT HEAD AND BOLT NUT TO CLEVES.

**ENLARGEMENT AT BELL CONNECTION**  
 $1\frac{1}{2}'' = 1'-0''$

4

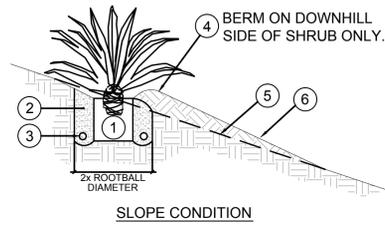
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 san luis obispo structural engineering, inc.



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
STRUCTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	04/24/15	SMM	04/24/15	M. BRITTON	04/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	L-1	21



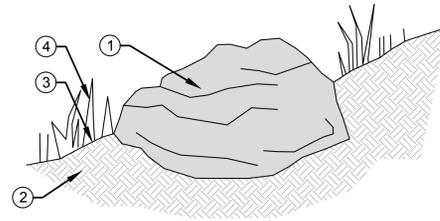
- 1 ROOTBALL. PLACE ON UNDISTURBED NATIVE SOIL AT BOTTOM OF PLANT PIT.
- 2 50% ON-SITE SOIL / 50% SAND MIX
- 3 FERTILIZER TABLETS.
- 4 4" HIGH EARTH BERM / MICROBASIN
- 5 SLOPE GRADE PRIOR TO PLANTING.
- 6 FINISH GRADE.

1 SHRUB PLANTING SECTION NTS

WORK SHOWN FOR INFORMATION ONLY. ALL SOIL PREPARATION, FURNISHING AND INSTALLATION OF PLANTS, AND PLANT ESTABLISHMENT WORK IS NOT INCLUDED IN THIS CONTRACT.

LEGEND

- 1 LANDSCAPE BOULDER (SEE SCHEDULE FOR SIZES)
- 2 COMPACTED SUBGRADE
- 3 FINISH SLOPED SURFACE (SEE CIVIL PLANS)
- 4 ADJACENT PLANTING / UNPLANTED SITE AREAS (SEE LANDSCAPE PLANS)



NOTES:

- A. BOULDERS LOCATIONS SHOWN ON LANDSCAPE PLANS ARE APPROXIMATE. FINAL PLACEMENT SHALL BE LOCATED IN THE FIELD BY LANDSCAPE ARCHITECT.
- B. GRADE CONFORMING TO CIVIL GRADING PLANS. BOULDERS TO BE IMBEDDED IN SLOPE.
- C. DEPRESS BOULDER MASS 1/4 TO 1/2 BELOW GRADE AS SHOWN.

2 LANDSCAPE BOULDER SECTION NTS

LEGEND

- EL CAMINO MISSION BELL MARKER, CALTRANS (SEE DETAIL 3 & 4, SHEET L-2)
- UPLIGHT FIXTURE (SEE ELECTRICAL PLANS & DETAILS)
- LANDSCAPE BOULDERS (SEE DETAIL 2, SHEET L-1)  
FINAL PLACEMENT SHALL BE LOCATED IN THE FIELD BY LANDSCAPE ARCHITECT.  
SMALL (MIN. 2' DIA) = 28  
MEDIUM (MIN. 3' DIA) = 8  
LARGE (MIN. 4' DIA) = 6

PLANT MATERIAL SCHEDULE

SCIENTIFIC NAME	COMMON NAME	SIZE	REMARKS	ALL TOTALS SHALL BE VERIFIED
AGAVE AMERICANA	CENTURY PLANT	24" BOX	SEE DETAIL 1, SHEET L-1	10

WORK SHOWN FOR INFORMATION ONLY. ALL SOIL PREPARATION, FURNISHING AND INSTALLATION OF PLANTS, AND PLANT ESTABLISHMENT WORK IS NOT INCLUDED IN THIS CONTRACT.

**RICK** ENGINEERING COMPANY  
 711 TANK FARM ROAD - SUITE 110  
 SAN LUIS OBISPO, CA 93401  
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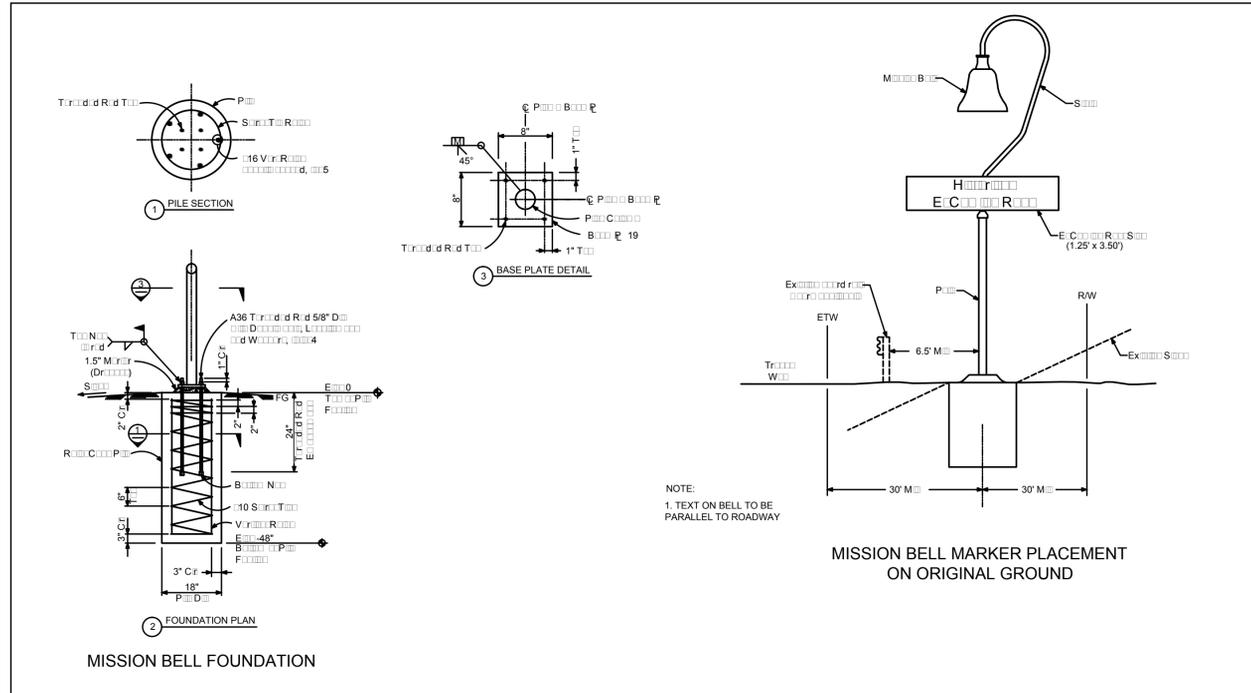


PROJECT ENGINEER DATE



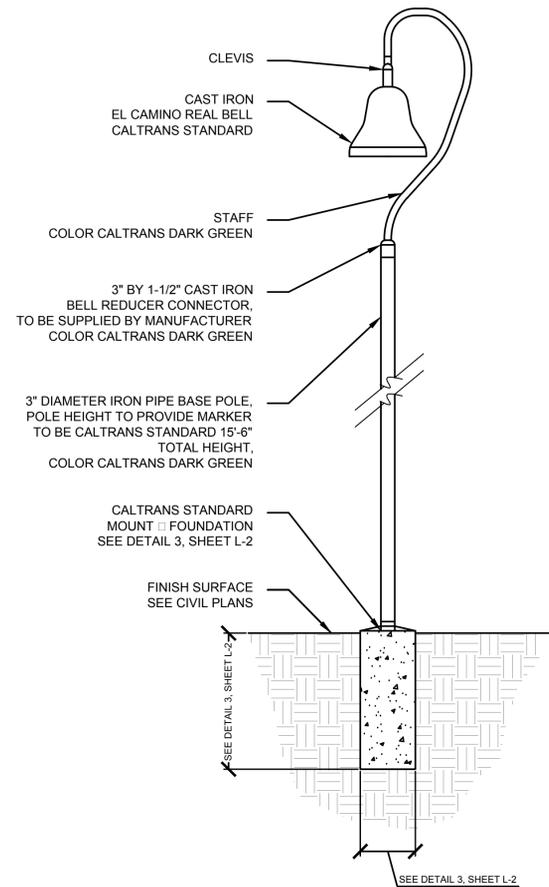
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
LANDSCAPE SCHEDULE, NOTES & DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
BLM	4/24/15	BLM	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	L-2	21



3 EL CAMINO MISSION BELL MARKER - FOOTING

SECTION NTS



4 EL CAMINO MISSION BELL MARKER

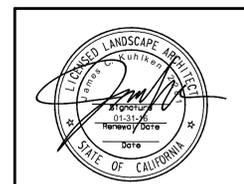
SECTION NTS

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PROJECT ENGINEER DATE



SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
LANDSCAPE DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
BLM	4/24/15	BLM	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	L-3	21

**PLANTING NOTES**

1. ALL SYMBOLS AND CALLOUTS ARE TYPICAL.
2. THE PLANTING PLAN IS DIAGRAMMATIC. ALL PLANT LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. SOIL PREPARATION FOR PLANTINGS, FURNISHING AND INSTALLING OF PLANTS, AND PLANT ESTABLISHMENT WORK IS NOT INCLUDED AS PART OF THIS CONTRACT.
3. CIVIL IMPROVEMENTS ARE SHOWN ON LANDSCAPE LAYOUT DRAWINGS ARE FOR REFERENCE ONLY. FOR COMPLETE DIMENSIONS REFER TO CIVIL VERTICAL AND HORIZONTAL CONTROL PLANS.
4. EXISTING INFORMATION ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF UTILITIES IN THE FIELD.

PLANTS SHOWN FOR INFORMATION ONLY. ALL SOIL PREPARATION, FURNISHING AND INSTALLATION OF PLANTS, AND PLANT ESTABLISHMENT WORK IS NOT INCLUDED IN THIS CONTRACT.

NEW UPLIGHTS TYP.  
SEE ELECTRICAL ENGINEERING PLANS



RELOCATED EL CAMINO BELL MARKER  
SEE LEGEND, SHEET L-1 & CIVIL PLANS

EXISTING EL CAMINO BELL MARKER  
TO BE RELOCATED PER THIS PLAN AND DETAIL 3 ON SHEET L-2

APPROX. LIMIT OF DISTURBANCE  
SEE DETAILS CIVIL PLANS

LANDSCAPE BOULDER TYP.  
(SMALL) SEE DETAILS  
LANDSCAPE BOULDER TYP.  
(MEDIUM) SEE DETAILS  
LANDSCAPE BOULDER TYP.  
(LARGE) SEE DETAILS

GATEWAY SIGN TYP. SEE  
ENGINEERING PLANS

EXISTING  
VEGETATION

EXISTING FENCELINE



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PROJECT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

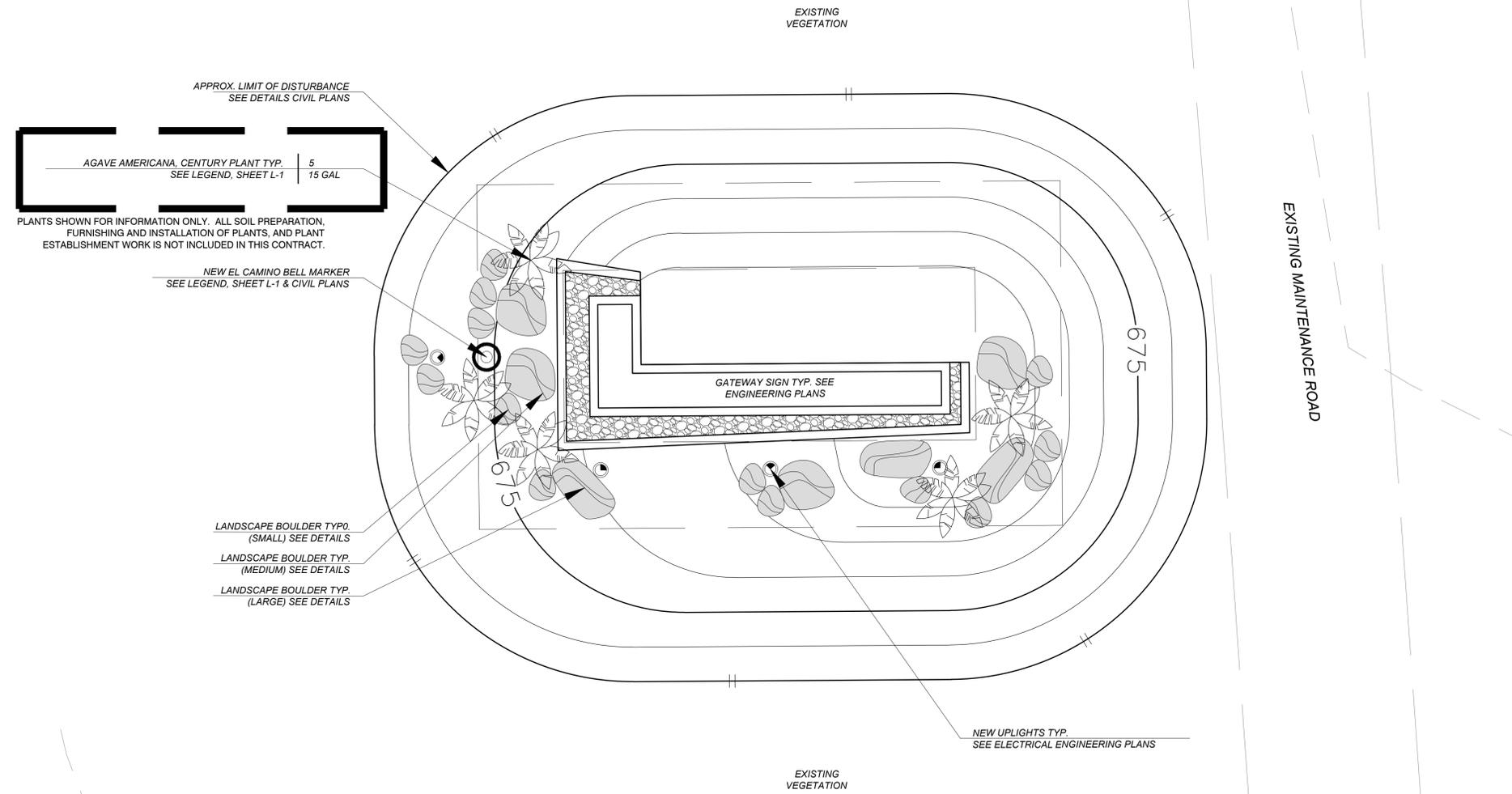


SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
NORTH GATEWAY LANDSCAPE PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
BLM	4/24/15	BLM	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	L-4	21

**PLANTING NOTES**

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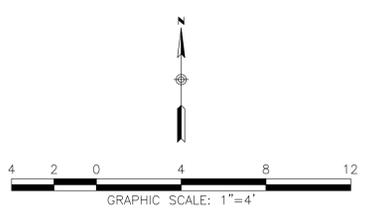
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LICENSED LANDSCAPE ARCHITECT  
Miguel Britton  
01-5176  
Miguel Britton  
DATE  
STATE OF CALIFORNIA

PROJECT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_



0 1 2 3  
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
SOUTH GATEWAY LANDSCAPE PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
BLM	4/24/15	BLM	4/24/15	M. BRITTON	4/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	E0.1	21

## GENERAL NOTES

- CODE COMPLIANCE: ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS:
  - 2013 CALIFORNIA CODE OF REGULATIONS TITLE 24; INCLUDES 2011 NATIONAL ELECTRICAL CODE, 2012 INTERNATIONAL FIRE CODE, 2012 INTERNATIONAL BUILDING CODE, ETC. WITH CALIFORNIA AND OTHER LOCAL AMENDMENTS AS APPLICABLE.
  - AMERICANS WITH DISABILITIES ACT (ADA).
- SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKPERSONS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENT SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB SITE.
- BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUB-UPS, ETC. WITH CIVIL ENGINEER, ARCHITECT, AND/OR MONUMENT ARCH CASTING MANUFACTURER AS APPLICABLE.
- LABEL ENCLOSURES, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIFICALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDELIBLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT (INCLUDING PULL AND SPLICE BOXES).

## GENERAL SITE PLAN NOTES

- TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300-5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY THIS SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.
- LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA). WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT.
- MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.

## SOLAR SYSTEM NOTES

THE SOLAR SYSTEM INDICATED ON THE ELECTRICAL PLANS IS TO DESCRIBE THE DESIGN INTENT. IT IS A PERFORMANCE SPECIFICATION AND DEFERRED APPROVAL. DETAILS 2/E3.1 AND 3/E3.1 ARE SHOWN FOR REFERENCE ONLY TO DESCRIBE THE DESIGN INTENT. PANEL SIZES (WATTAGE), QUANTITIES, CONTROLLER, BATTERIES, INVERTER, ETC. WILL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND THEIR SUPPLIER. PROVIDE COMPLETE SHOP DRAWINGS, INCLUDING BILL OF MATERIAL, DETAILS, DIAGRAMS, CALCULATIONS, ETC. AT SUBMITTAL TIME FOR REVIEW/APPROVAL.

## LUMINAIRE SCHEDULE

TYPE	ILLUSTRATION	MANUFACTURER	CATALOG NO.	VOLTAGE	MAX. VA.	LAMPING	MOUNTING	DESCRIPTION
S1	NOT USED							
S2		BEGA	7485 LED	120	43	39W LED 3000K	KNUCKLE 3 E3.1	FLOOD LIGHT

## LUMINAIRE SCHEDULE NOTES

- ILLUSTRATIONS AND/OR DIMENSIONS ARE APPROXIMATIONS ONLY INTENDED TO REPRESENT BASIC FIXTURE TYPE; DO NOT USE AS EXACT INFORMATION SOURCE. REFER TO MANUFACTURER CUT SHEETS.
- EXACT LOCATIONS: BEFORE CONSTRUCTION, VERIFY EXACT LOCATIONS AND REQUIREMENTS OF ALL LIGHT FIXTURES WITH CIVIL ENGINEER (FLOOD LIGHTS) AND ARCHITECT (DOWNLIGHT IN ARCH CASTING).
- FIXTURE BRANCH CIRCUIT THROUGH-WIRING: VERIFY AND COMPLY WITH FIXTURE MANUFACTURER RESTRICTIONS AS DETERMINED BY UL & NEC.
- FINAL PLACEMENT AND AIMING OF EXTERIOR ADJUSTABLE TYPE "S2" FIXTURES SHALL BE DETERMINED AFTER DARK WITH CIVIL ENGINEER AND/OR ARCHITECT PRESENT. PREARRANGE TIME.
- LED DRIVERS SHALL BE COMPATIBLE FOR THE APPLICATION AND WITH THE CONTROL DEVICES IN WHICH THEY ARE BEING USED FOR THIS PROJECT.

## LEGEND

NOTE: INTERPRET IN CONTEXT

### LIGHT FIXTURES

- CEILING SURFACEMOUNT
- WALL SURFACEMOUNT
- ⊙ PENDANT MOUNT
- ⊙ RECESSED DOWNLIGHT
- ⊙ RECESSED WALLWASH
- ⊙ RECESSED FLUOR.
- ⊙ SURFACE FLUOR.
- ⊙ FLUOR. STRIP UON
- ⊙ TRACK LIGHT
- ⊙ DIRECTIONAL FLOOD
- ⊙ EMERGENCY FIXTURE
- ⊙ POLE LIGHT
- ⊙ POLE LIGHT- DECORATIVE
- ⊙ TANDEM-WIRED LAMPS
- ⊙ BOLLARD
- ⊙ EXIT LIGHT- WALL
- ⊙ EXIT LIGHT- CEILING (ARROW INDICATES DIRECTION)
- ⊙ LETTER ADJACENT INDICATES FIXTURE TYPE

### POWER/COMM.

- ⊕ SINGLE RECEPT.
- ⊕ DUPLEX RECEPT.
- ⊕<sub>0</sub> GROUND FAULT CIRCUIT INTERRUPT
- ⊕<sub>1</sub> MOUNTED ABOVE COUNTER
- ⊕<sub>2</sub> DUPLEX- HALF SWITCHED
- ⊕<sub>3</sub> DOUBLE DUPLEX
- ⊕<sub>4</sub> SPECIAL CONFIGURATION
- ⊕<sub>5</sub> DUPLEX- FLOOR OUTLET
- ⊕<sub>6</sub> JUNCTION BOX
- ⊕<sub>7</sub> TELEPHONE OUTLET
- ▽ DATA OUTLET
- ▽<sub>1</sub> PHONE/DATA COMBO OUTLET
- ▽<sub>2</sub> MOUNTED ABOVE COUNTER
- ⊞ SAFETY DISCONNECT
- ⊞ TELEVISION OUTLET

### MISCELLANEOUS

- ⊙ MOTOR
- ⊙ THERMOSTAT
- ⊙ CIRCUIT BREAKER
- ⊙ FUSIBLE SWITCH
- ⊙ PHASE
- ⊙ GROUND

### CONDUIT/WIRE

- NEW
- UNDERGROUND
- NEW POWER HOMERUN (3 HOTS & NEUT SHOWN)
- ISOLATED GROUND
- ← EXISTING TO REMAIN
- ← (E) POWER HOMERUN
- CONDUIT STUB (W/MARKER)
- VERTICAL CONDUIT RUN
- CONDUIT SEAL
- ⊙ FLEXIBLE CONNECTION
- LOW VOLTAGE
- SURFACEMOUNT RACEWAY

### SWITCHES

- \$ SPST
- \$<sub>2</sub> DPST
- \$<sub>3</sub> 3-WAY
- \$<sub>4</sub> 4-WAY
- \$<sub>5</sub> DIMMER
- \$<sub>6</sub> TIMER SWITCH
- \$<sub>7</sub> W/THERMAL OVERLOAD
- \$<sub>8</sub> W/PILOT LIGHT
- \$<sub>9</sub> KEY OPERATED
- \$<sub>10</sub> DUAL LEVEL SWITCHING
- (a) SWITCHLEG DESIGNATION
- ⊞ OCCUPANCY SENSOR

### FIRE ALARM

- FIRE ALARM CONTROL PANEL
- ⊞ REMOTE POWER SUPPLY
- ⊞ HORN- AUDIBLE DEVICE
- ⊞ VISUAL- VISUAL DEVICE
- ⊞ AUDIBLE/VISUAL
- ⊞ FLOW SWITCH
- ⊞ TAMPER SWITCH
- ⊞ MANUAL PULL STATION
- ⊞ SMOKE DETECTOR
- ⊞ DUCT SMOKE DETECTOR
- ⊞ HEAT DETECTOR
- ⊞ BELL
- ⊞ END OF LINE RESISTOR
- ⊞ REMOTE POWER SUPPLY

### ABBREVIATIONS

- A AMPERE
- AF AMP FUSE RATING
- AFB ABOVE FINISH FLOOR
- AFG ABOVE FINISH GRADE
- AIC AMPERES INTERRUPT CAPACITY
- AS AMP SWITCH RATING
- BFG BELOW FINISH GRADE
- CB CIRCUIT BREAKER
- CEC CA. ELECTRICAL CODE
- CKT CIRCUIT
- C CONDUIT
- C.O. CONDUIT ONLY
- (D) DEMOLISH
- (E) EXISTING
- EC ELECTRICAL CONTRACTOR
- EF-# EXHAUST FAN
- (EXN) (E) IN (N) LOCATION
- (EXR) (E) TO BE (R)
- (F) FUTURE
- FA FIRE ALARM
- FACP FIRE ALARM CONTROL PANEL
- G GROUNDING CONDUCTOR
- GC GENERAL CONTRACTOR
- GFI GROUND FAULT CKT INTERRUPTER
- GND GROUND
- GRS GALVANIZED RIGID STEEL
- GWS GANGED WITH SWITCH
- IG ISOLATED GROUND
- LTG LIGHTING
- MC MECHANICAL CONTRACTOR
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- MSB MAIN SWITCHBOARD
- MTTB MAIN TELEPHONE TERMINAL BOARD
- (N) NEW
- NIC NOT IN CONTRACT
- (NL) NIGHT LIGHT
- P POLE
- (R) RELOCATE(D)
- TBR TO BE REMOVED
- TYP TYPICAL
- UC UNDERCABINET
- UG UNDERGROUND
- UGN UNLESS OTHERWISE NOTED
- V VOLT
- VA VOLT AMPERES
- W WATT, WIRE
- WP WEATHERPROOF (NEMA 3R)

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STATE OF CALIFORNIA

EXPIRES: 06/30/15  
THOMAS #14-8055

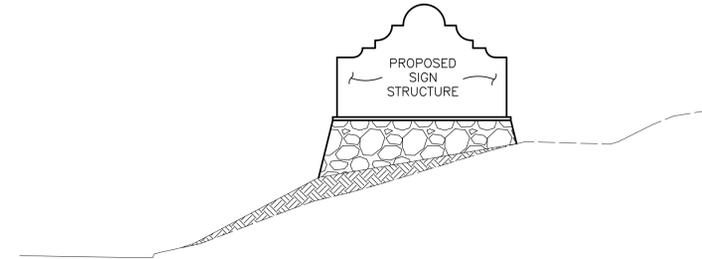
*William A. Thomas*  
PROJECT ENGINEER DATE 04/24/15

**Thoma**  
ENGINEERING  
THOMA ELECTRIC, INC.

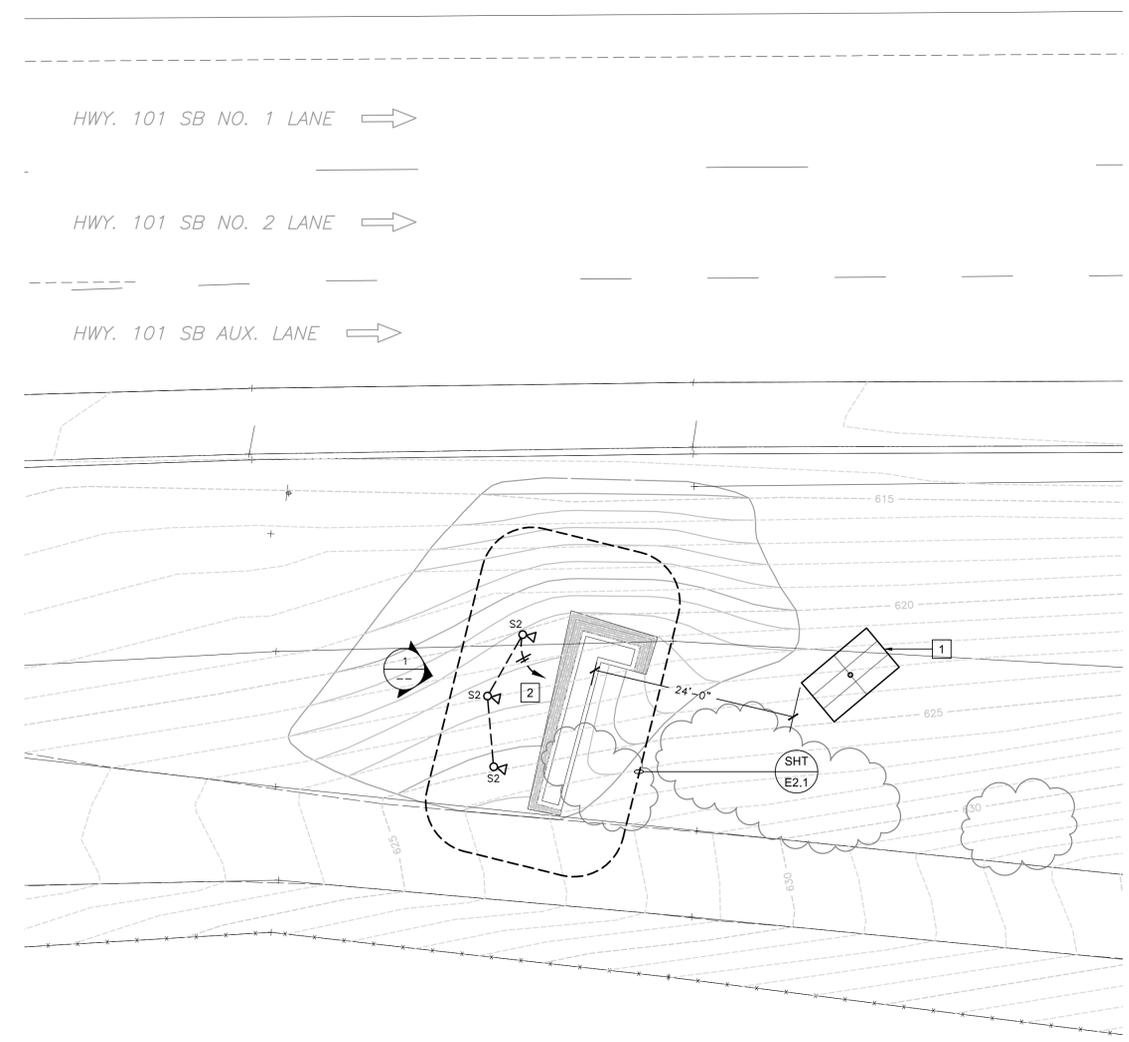
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SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ELECTRICAL GENERAL NOTES AND LEGEND					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
C.J.	04/24/15	C.J.	04/24/15	C.J.	04/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	E1.1	21



**1 NORTH GATEWAY ELEVATION**  
SCALE: NTS



**REFERENCE NOTES**

- SOLAR PANEL(S) MOUNTED ON POLE ORIENTED SOUTH. SEE DETAIL 2/E3.1. DISTANCE INDICATED IS MINIMUM. VERIFY EXACT LOCATION TO AVOID SHADING BY TREES, SHRUBS, ETC.
- HOME RUN TO CONTROL EQUIPMENT IN ENCLOSURE ON BACK OF MONUMENT. SEE SHEET E2.1 AND DETAIL 4/E3.1.

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REGISTERED PROFESSIONAL ENGINEER  
WILLIAM A. THOMA  
NO. 10757  
ELECTRICAL  
STATE OF CALIFORNIA

EXPIRES: 06/30/15  
THOMA #14-8055

*William A. Thoma*  
PROJECT ENGINEER      DATE: 04/24/15

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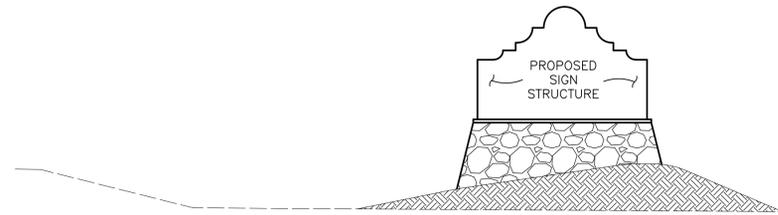


**NORTH GATEWAY MONUMENT ELECTRICAL PLAN**

SCALE: 1" = 10'-0"

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
NORTH GATEWAY MONUMENT ELECTRICAL PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
C.J.	04/24/15	C.J.	04/24/15	C.J.	04/24/15

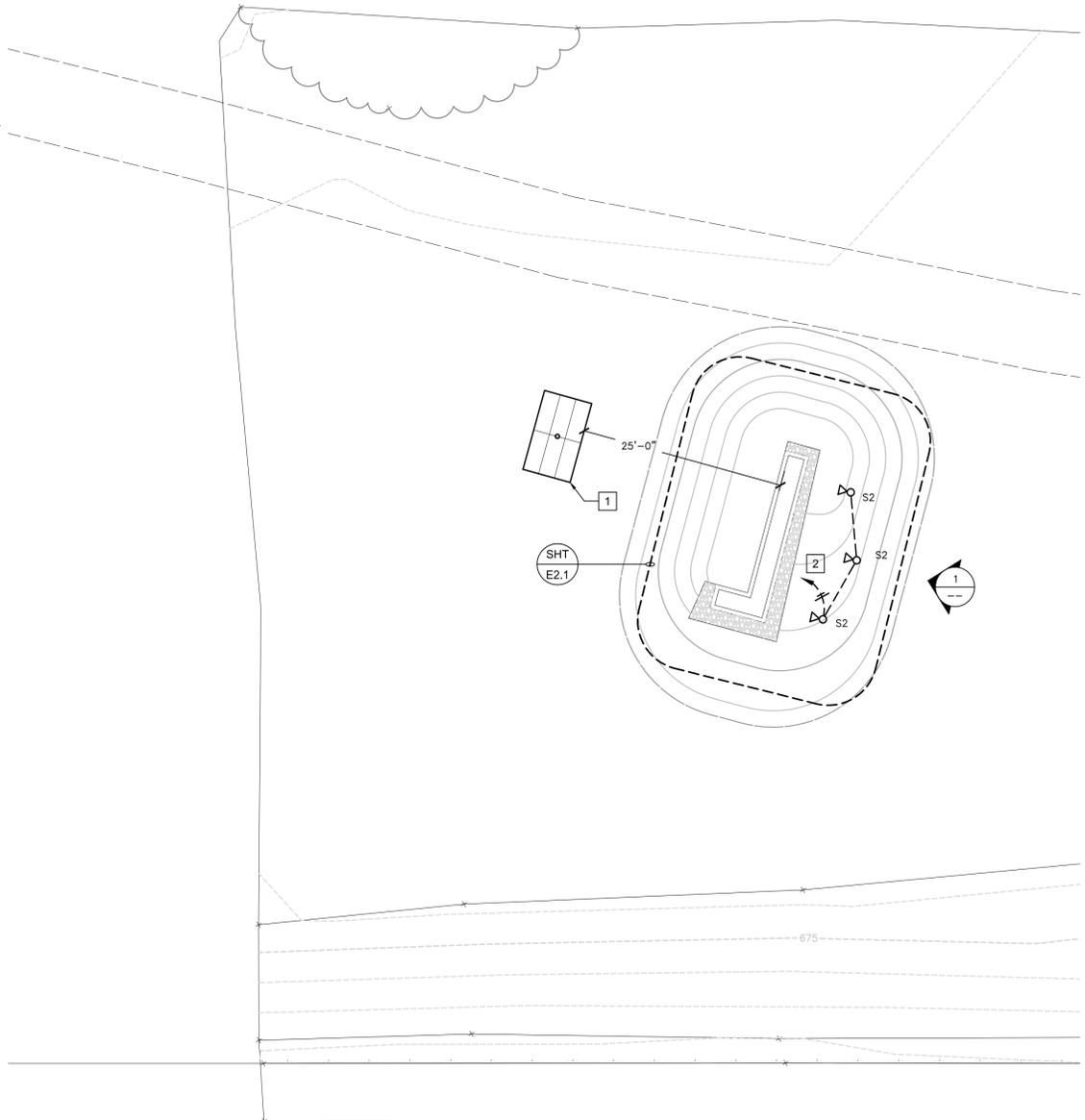
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	E1.2	21



**1 SOUTH GATEWAY ELEVATION**  
SCALE: NTS

**REFERENCE NOTES**

- SOLAR PANEL(S) MOUNTED ON POLE ORIENTED SOUTH. SEE DETAIL 2/E3.1. DISTANCE INDICATED IS MINIMUM. VERIFY EXACT LOCATION TO AVOID SHADING BY TREES, SHRUBS, ETC.
- HOME RUN TO CONTROL EQUIPMENT IN ENCLOSURE ON BACK OF MONUMENT. SEE SHEET E2.1 AND DETAIL 4/E3.1.



← HWY. 101 NB NO. 2 LANE

← HWY. 101 NB NO. 1 LANE

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EXPIRES: 06/30/15  
THOMA #14-8055

*William A. Thoma*  
PROJECT ENGINEER DATE 04/24/15

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**SOUTH GATEWAY MONUMENT ELECTRICAL PLAN**

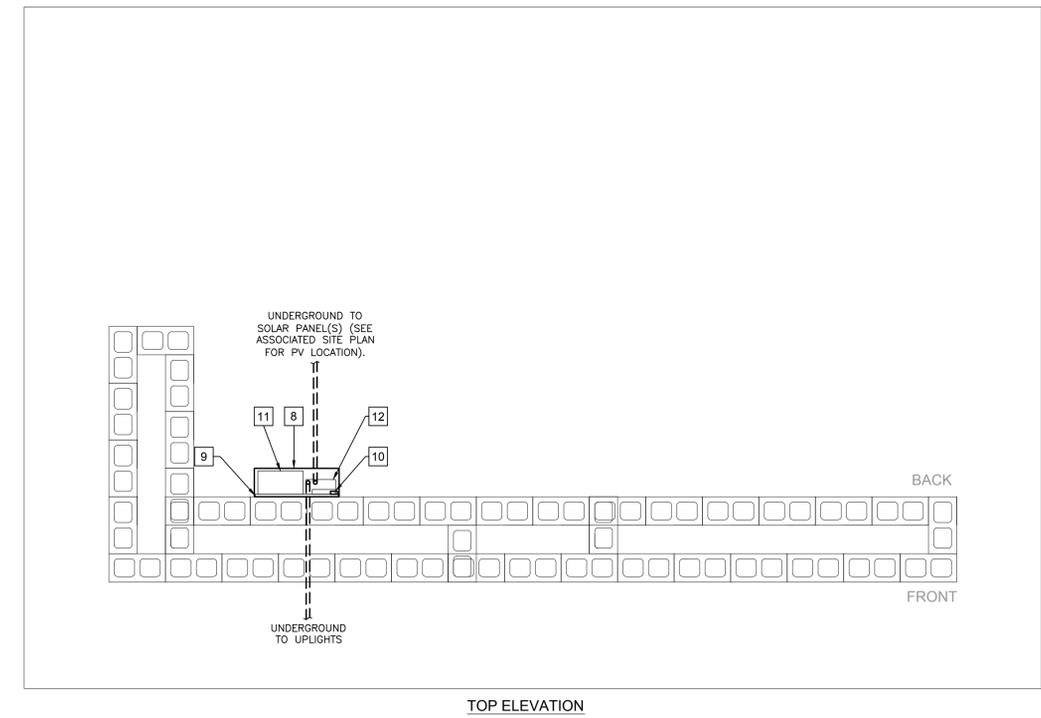
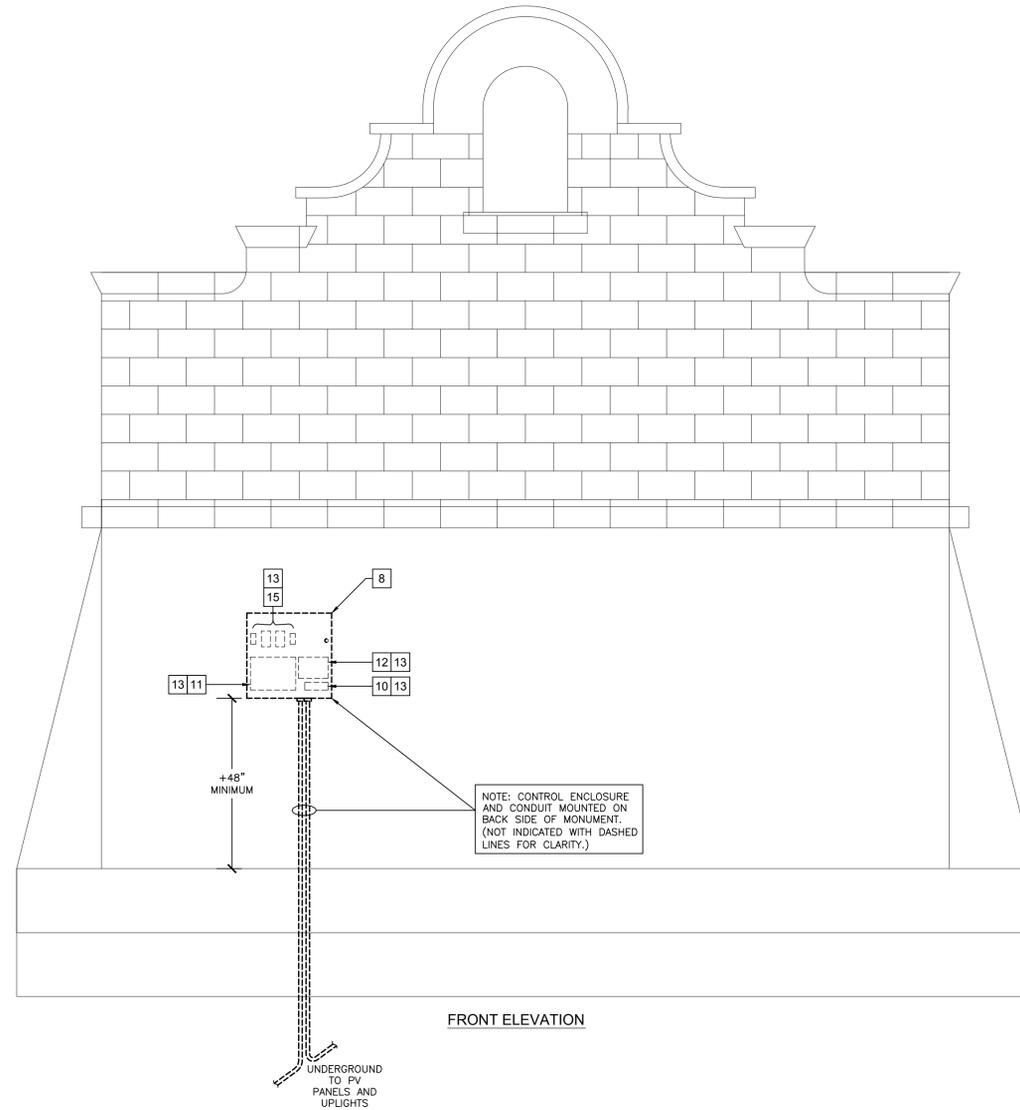
SCALE: 1" = 10'-0"

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
SOUTH GATEWAY MONUMENT ELECTRICAL PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
C.J.	04/24/15	C.J.	04/24/15	C.J.	04/24/15

ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	E2.1	21

**REFERENCE NOTES**

1. NOT USED.
2. NOT USED.
3. NOT USED.
4. NOT USED.
5. NOT USED.
6. NOT USED.
7. NOT USED.
8. ENCLOSURE MOUNTED ON BACK OF MONUMENT FOR SOLAR CONTROLLER, BATTERY, INVERTER, AND LED DRIVER. ENCLOSURE SHALL BE 24"x24" MINIMUM (ACTUAL SIZE TO ACCOMMODATE EQUIPMENT); HINGED, VENTED COVER WITH PADLOCKABLE HASP NEMA 3R; PAINTED TO MATCH MONUMENT COLOR.
9. 3/4" PLYWOOD BACKBOARD MOUNTED INSIDE ENCLOSURE.
10. SOLAR LIGHTING CONTROLLER.
11. 12V BATTERY MOUNTED INSIDE ENCLOSURE.
12. 12VDC/115VAC INVERTER.
13. SEE DETAIL 4/E3.1.
14. NOT USED.
15. ISOLATION SWITCHES AND FUSES



**1 TYPICAL ELECTRICAL MONUMENT ELEVATIONS**  
SCALE: 1/2" = 1'-0"



EXPIRES: 06/30/15  
THOMA #14-8055

PROJECT ENGINEER DATE 04/24/15



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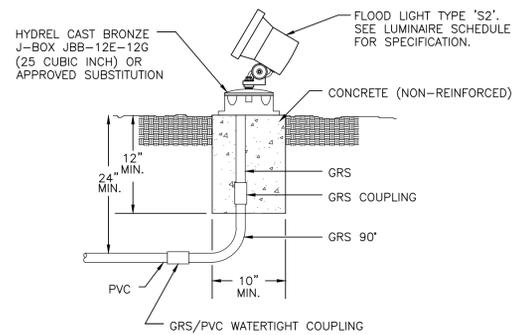
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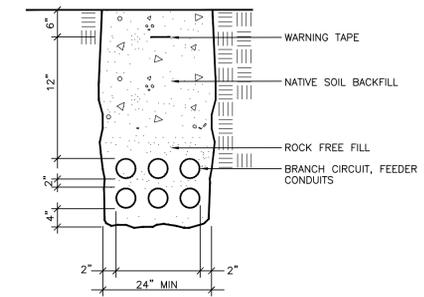
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SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TYPICAL ELECTRICAL MONUMENT ELEVATIONS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
C.J.	04/24/15	C.J.	04/24/15	C.J.	04/24/15

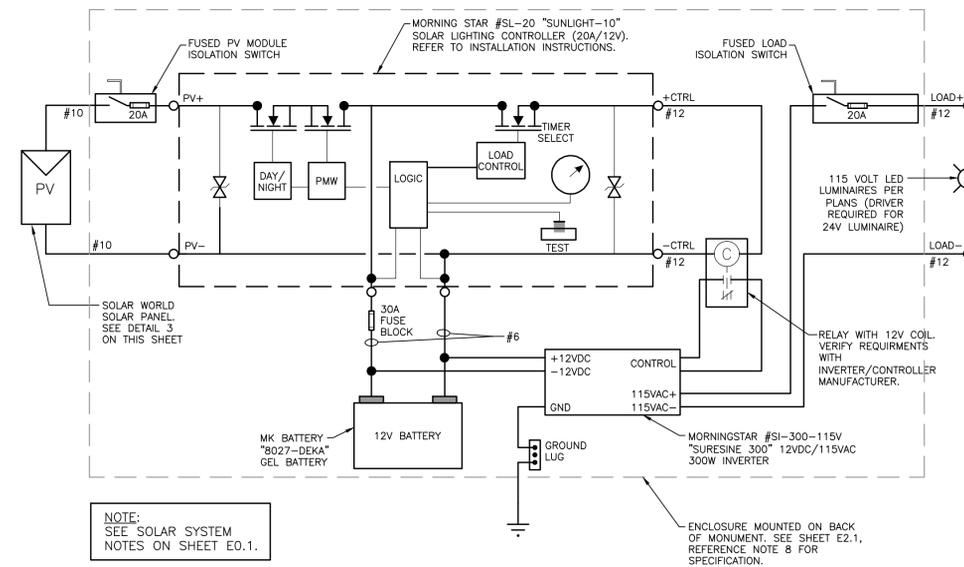
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	E3.1	21



**3 FLOOD LIGHT MOUNTING DETAIL**  
NTS



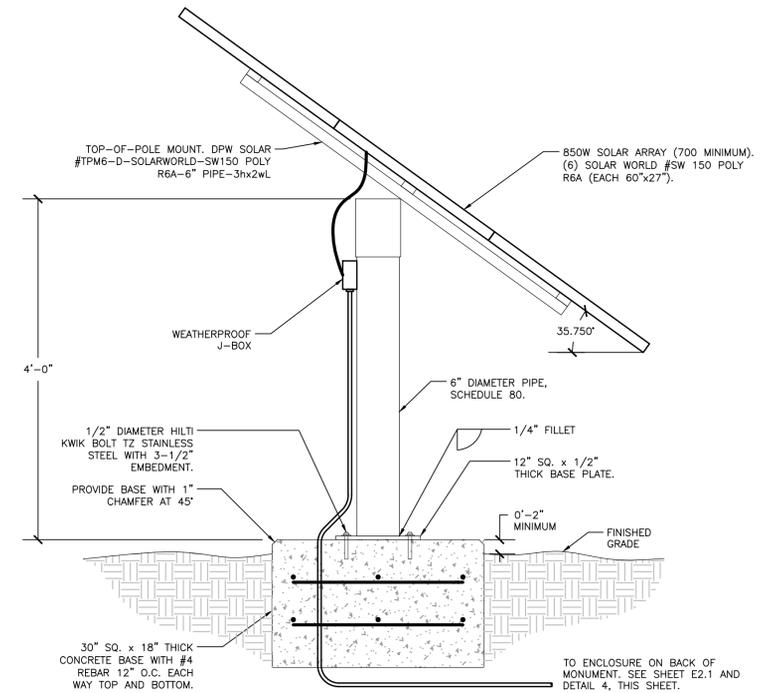
**1 TYPICAL LIGHTING CIRCUIT CONDUIT TRENCH DETAIL**  
NTS



NOTE:  
SEE SOLAR SYSTEM NOTES ON SHEET E0.1.

ENCLOSURE MOUNTED ON BACK OF MONUMENT. SEE SHEET E2.1. REFERENCE NOTE 8 FOR SPECIFICATION.

**4 TYPICAL SOLAR LIGHTING CONTROL DIAGRAM**  
NTS



NOTE:  
SEE SOLAR SYSTEM NOTES ON SHEET E0.1.

**2 TYPICAL SOLAR PANEL MOUNTING DETAIL**  
SCALE: 1" = 1'-0"

**RICK ENGINEERING COMPANY**  
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**WILLIAM A. THOMA**  
REGISTERED PROFESSIONAL ENGINEER  
NO. 10757  
ELECTRICAL  
STATE OF CALIFORNIA  
EXPIRES: 06/30/15  
THOMA #14-8055  
PROJECT ENGINEER DATE 04/24/15

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SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ELECTRICAL MONUMENT DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
C.J.	04/24/15	C.J.	04/24/15	C.J.	04/24/15