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

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

APPROVED: December 30, 2014

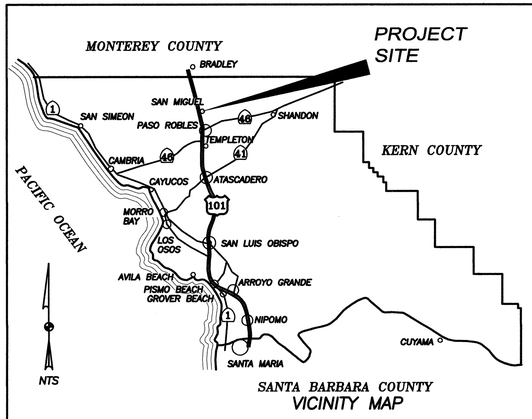
Dave Flynn

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

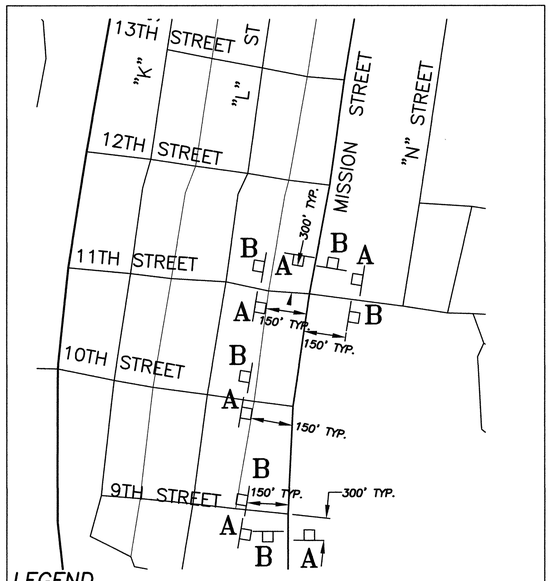
REGISTERED PROFESSIONAL ENGINEER DAVID JOHN FLYNN No. C 43933 Exp. 6/30/15 CIVIL STATE OF CALIFORNIA

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

To Be Supplemented By State Standard Plans Dated May, 2006



VICINITY MAP



LEGEND

MISSION STREET

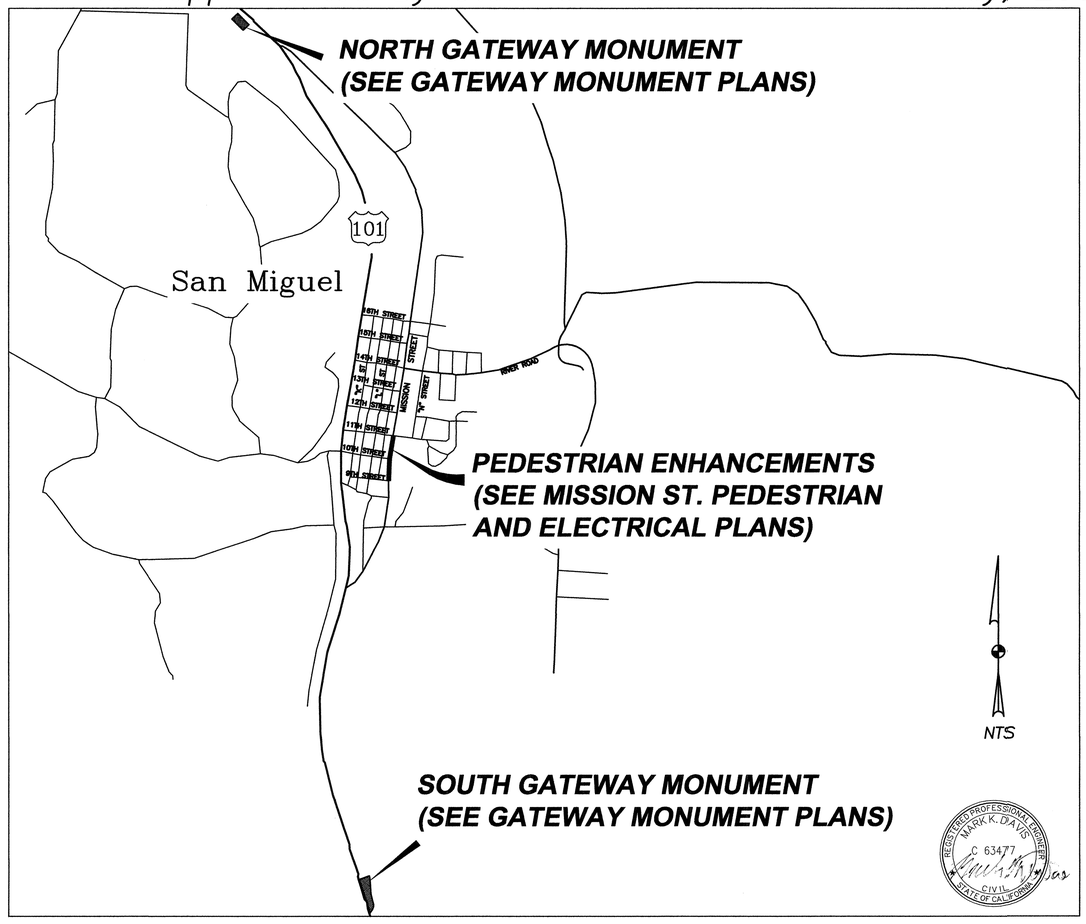
No.	Type	Size	Message	Quantity
A	C18	48"X48"	"ROAD CONSTRUCTION AHEAD"	2
B	C13	48"x18"	"END CONSTRUCTION"	2

SIDE STREETS

No.	Type	Size	Message	Quantity
A	C18	36"X36"	"ROAD CONSTRUCTION AHEAD"	4
B	C13	36"x36"	"END CONSTRUCTION"	4

NOTES:
1. All Signs Shall Be Stationary Mounted on 4x4 Wood Posts, Unless Noted Otherwise.
2. 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



REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS C 63477 CIVIL STATE OF CALIFORNIA

LOCATION MAP
NO SCALE

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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

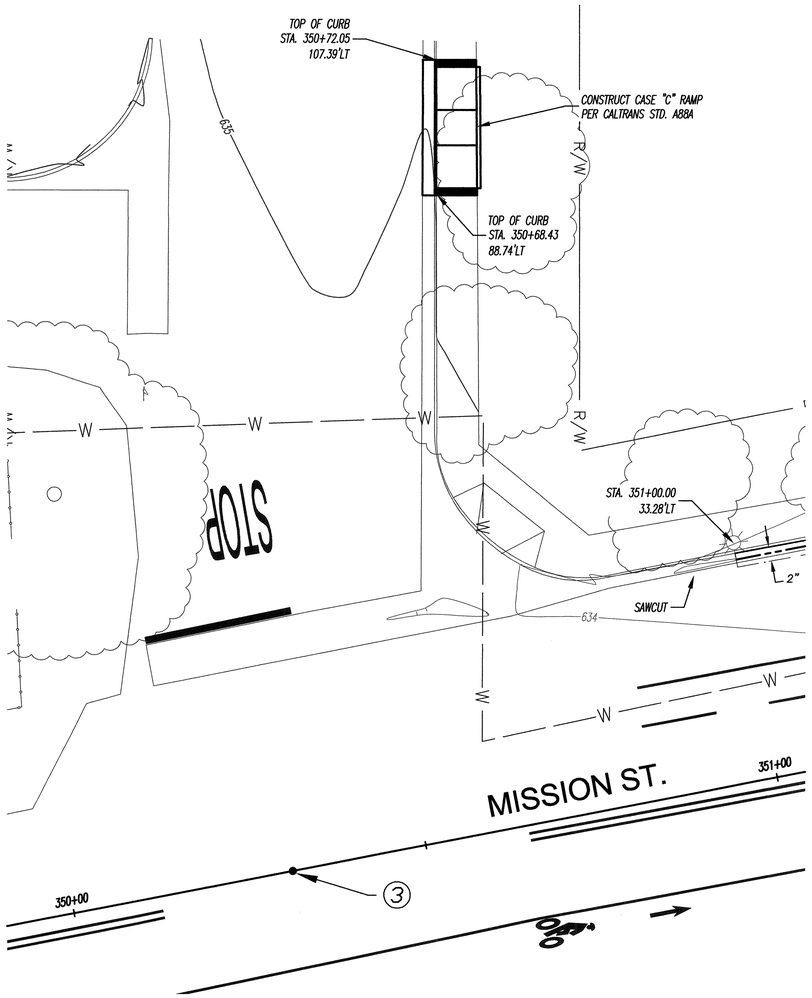
MISSION STREET PEDESTRIAN ENHANCEMENT ELECTRICAL PLANS (5 SHEETS)

SHEET NO.	E1.0	GENERAL NOTES, LEGEND AND SCHEDULES
SHEET NO.	E2.0	SITE ELECTRICAL PLAN 9TH–10TH STREET
SHEET NO.	E2.1	SITE ELECTRICAL PLAN 10TH–11TH STREET
SHEET NO.	E2.2	SITE ELECTRICAL PLAN 11TH–12TH STREET
SHEET NO.	E3.0	ELECTRICAL DETAILS

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

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



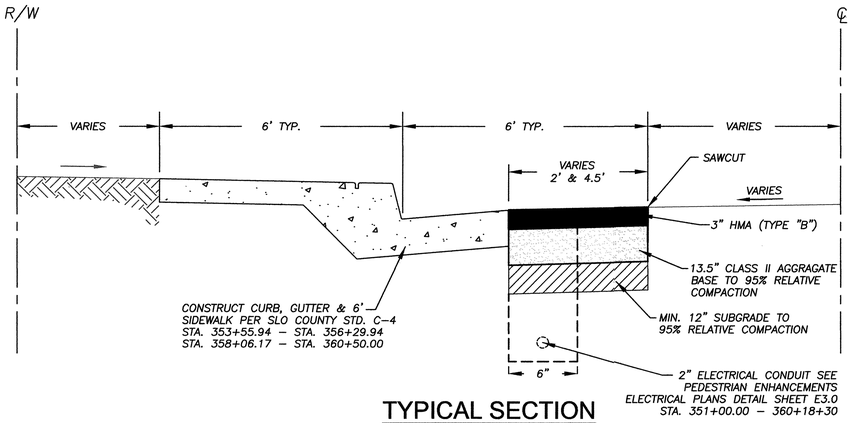
9TH STREET ADA RAMP

PLAN VIEW

SCALE : 1"=10'

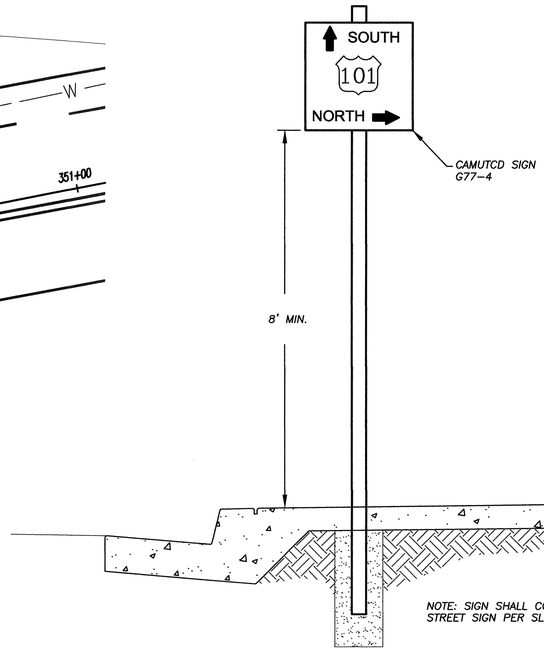
LEGEND

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 POST TO BE INSTALLED AT LOCATIONS INDICATED ON PLAN AND AS DIRECTED BY THE ENGINEER. SEE ELECTRICAL PLANS



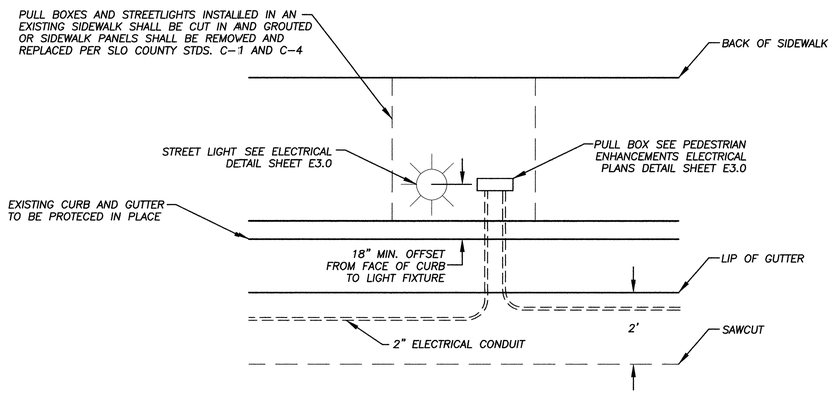
TYPICAL SECTION

N.T.S.



ROADSIDE SIGN DETAIL

N.T.S.



TYPICAL SIDEWALK REPAIR DETAIL

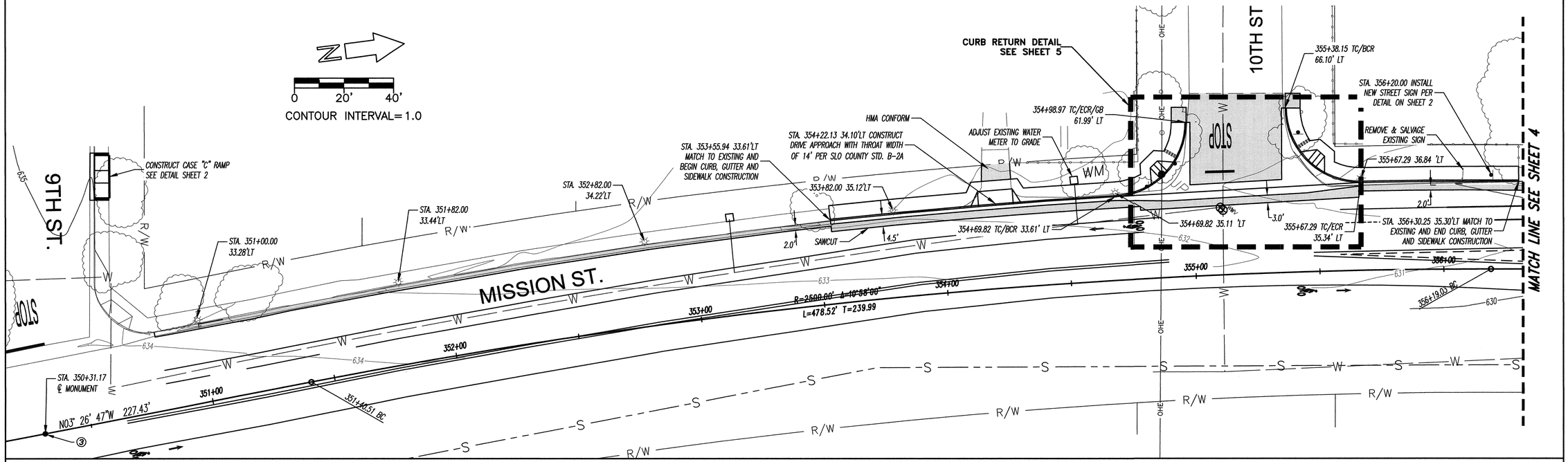
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
MARK K. DAVIS
C 63477
CIVIL
STATE OF CALIFORNIA

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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	8/2014	A.ESTRADA	8/2014	J. WERST	8/2014

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	3	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
- SAWCUT LINE
- OHE — OVER HEAD ECLECTRICAL 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 PLANS
- LIMITS OF HMA REMOVAL AND CONFORM

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

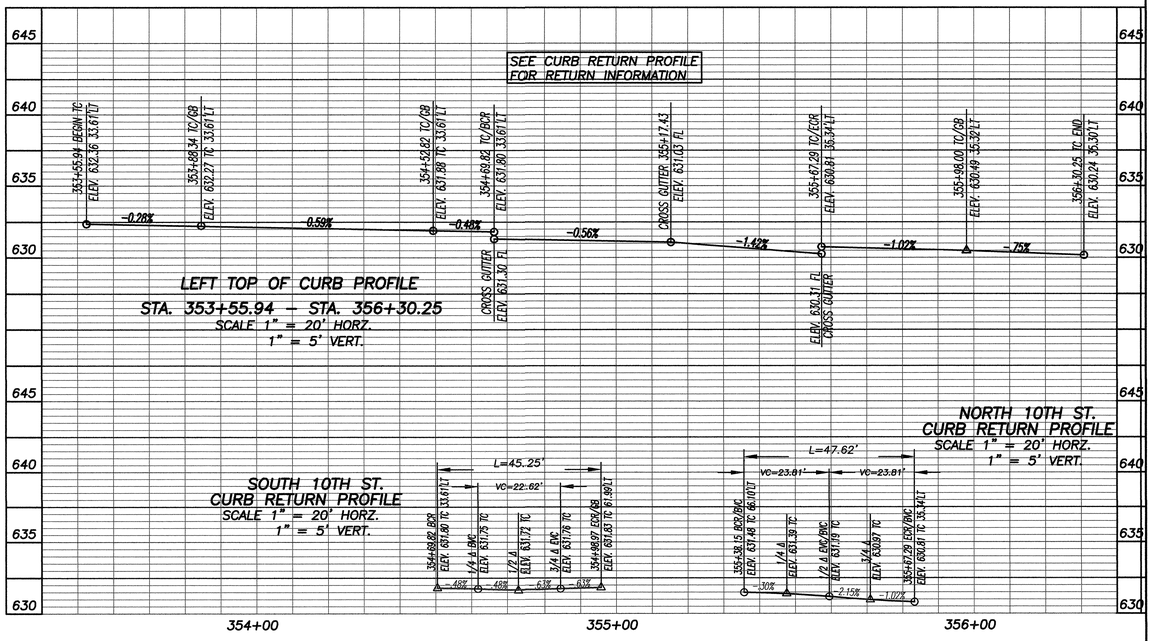
BASIS OF BEARINGS:
THE CENTERLINE OF MISSION STREET (fm'ly CALIF. STATE HWY. NO. 101) BETWEEN FOUND MONUMENTS ① AND ② BEING N7°23'E PER THE SURVEY OF THE S.P.R.R. DEPOT GROUNDS RECORDED AT BOOK 5, PAGE 110 OF RECORDS OF SURVEY IN THE OFFICE OF THE SAN LUIS OBISPO COUNTY RECORDER.

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

REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS № 63477 CIVIL STATE OF CALIFORNIA



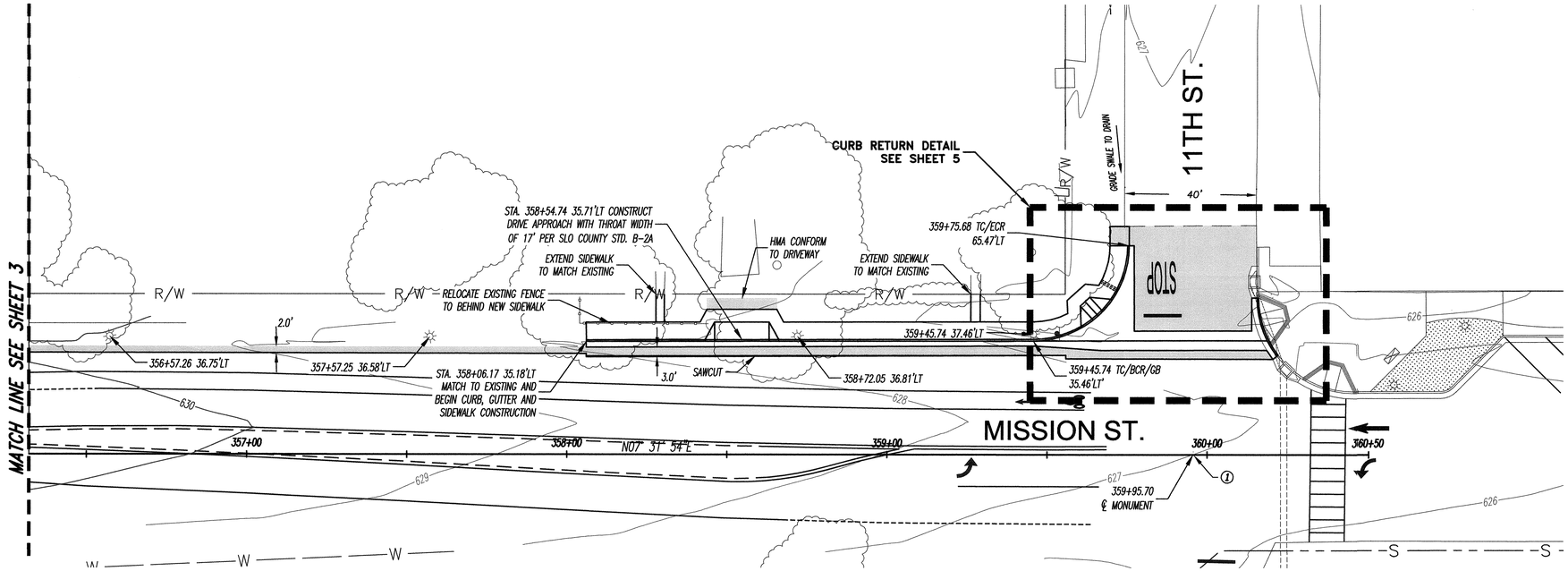
CU	EXC
YDS	EMB

Designer	Date	Drawn By	Date	Design Engineer	Date
J.LAMBERT	08/2014	A.ESTRADA	08/2014	J.WERST	08/2014

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
PLAN & PROFILE STA. 350+50.00 – STA. 356+32.00

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



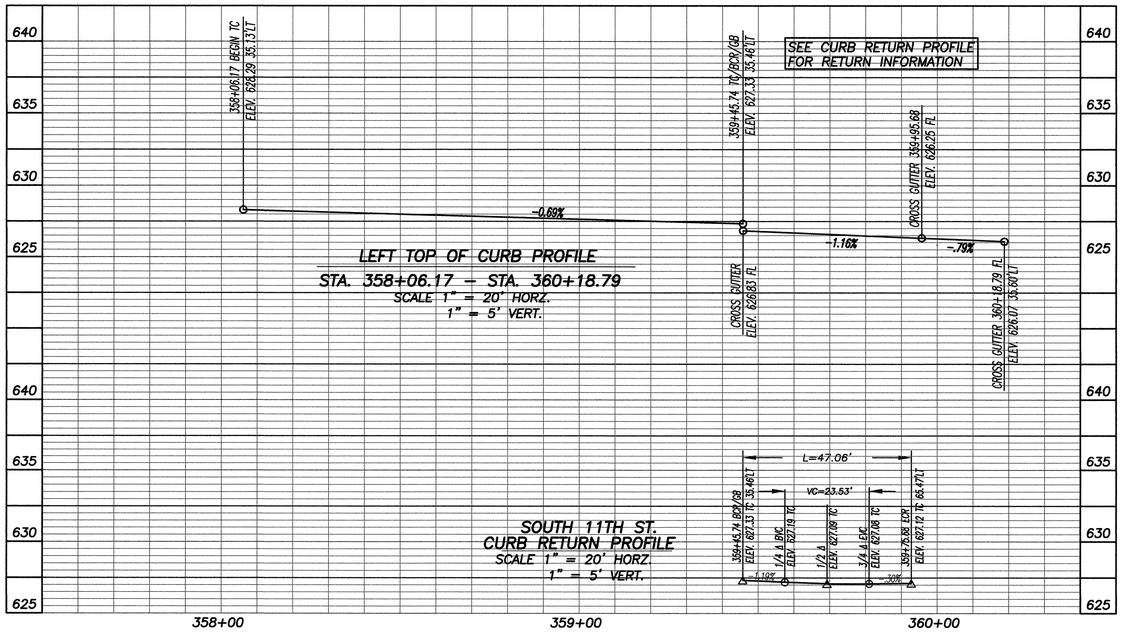
N

0 20' 40'

CONTOUR INTERVAL= 1.0

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
- SAWCUT LINE
- OHE — OVER HEAD ECLECTRICAL 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 PLANS
- LIMITS OF HMA REMOVAL AND CONFORM



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'ly CALIF. STATE HWY. NO. 101) BETWEEN FOUND MONUMENTS ① AND ② BEING N7°23'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

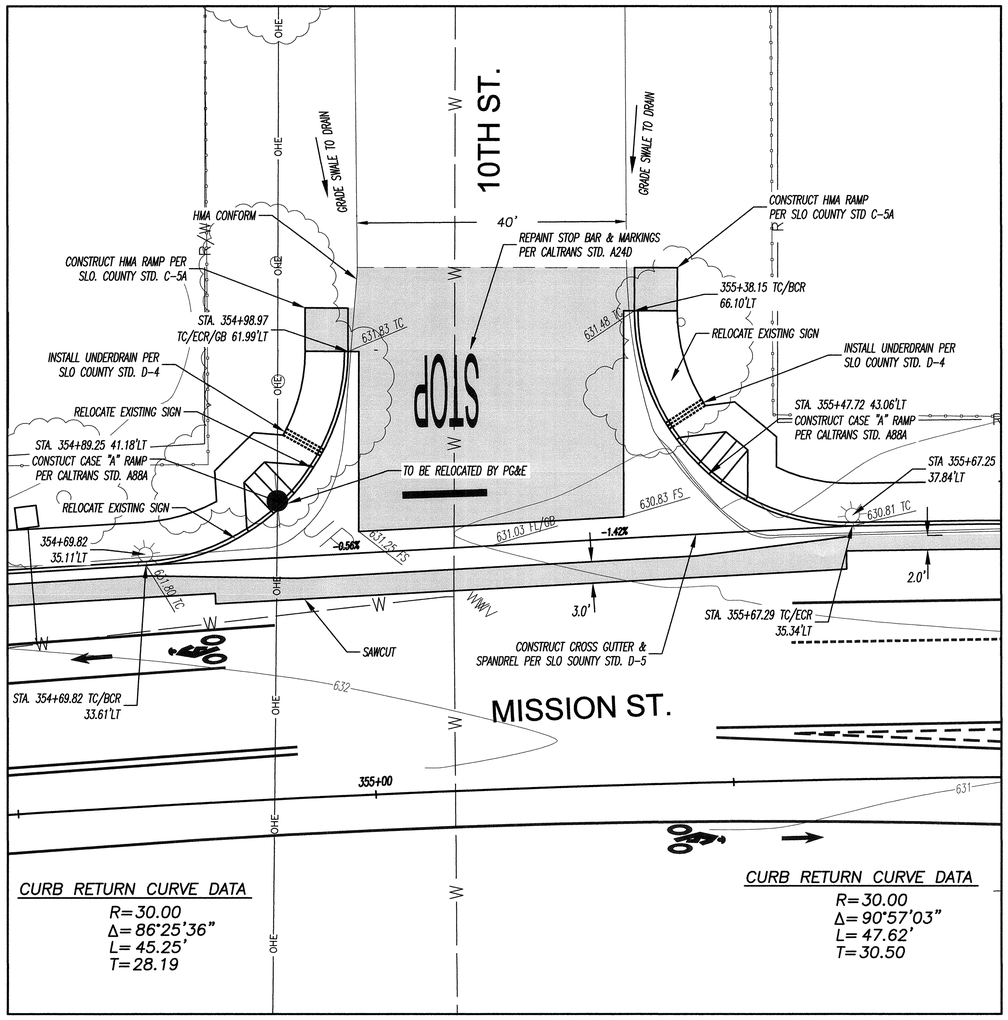
REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS 63477 CIVIL STATE OF CALIFORNIA

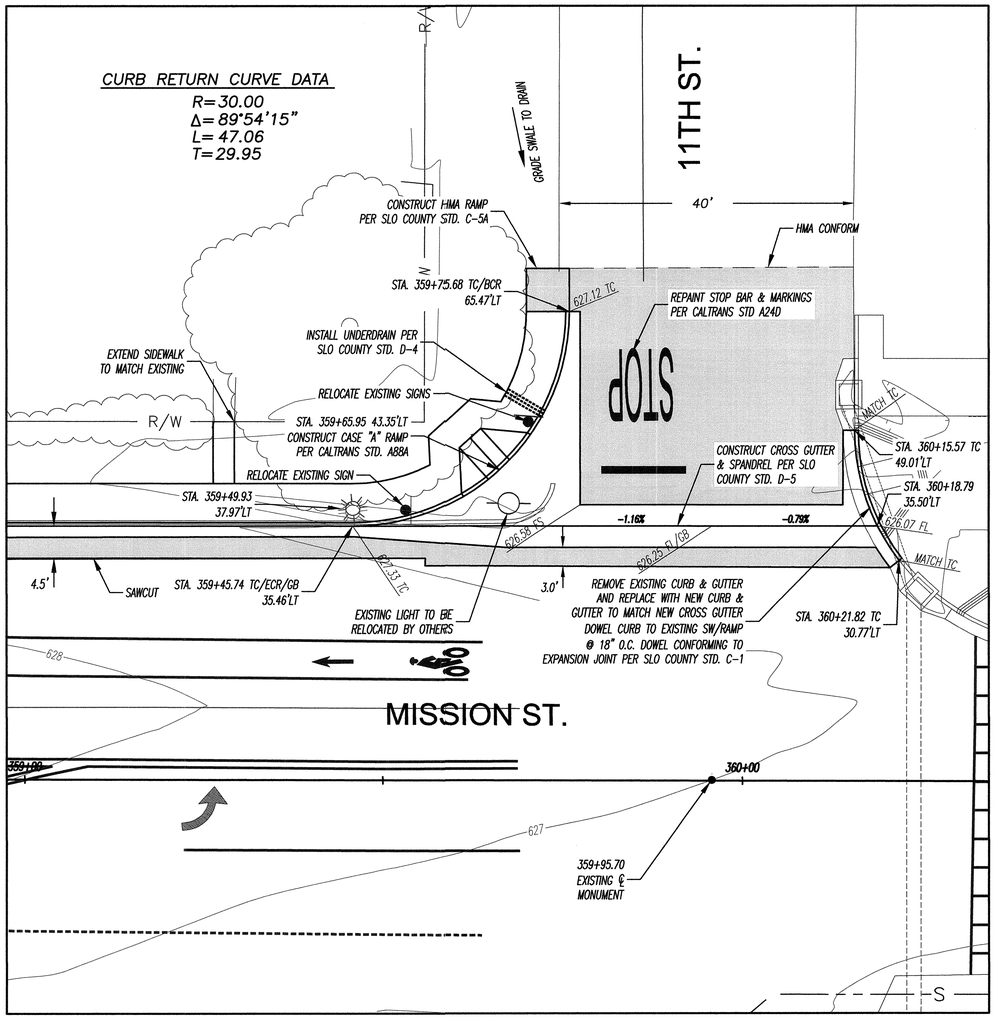
Designer	Date	Drawn By	Date	Design Engineer	Date
J.LAMBERT	08/2014	A.ESTRADA	08/2014	J.WERST	08/2014

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
PLAN & PROFILE STA. 356+32.00 – STA. 360+50.00

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





N

0 10' 20'

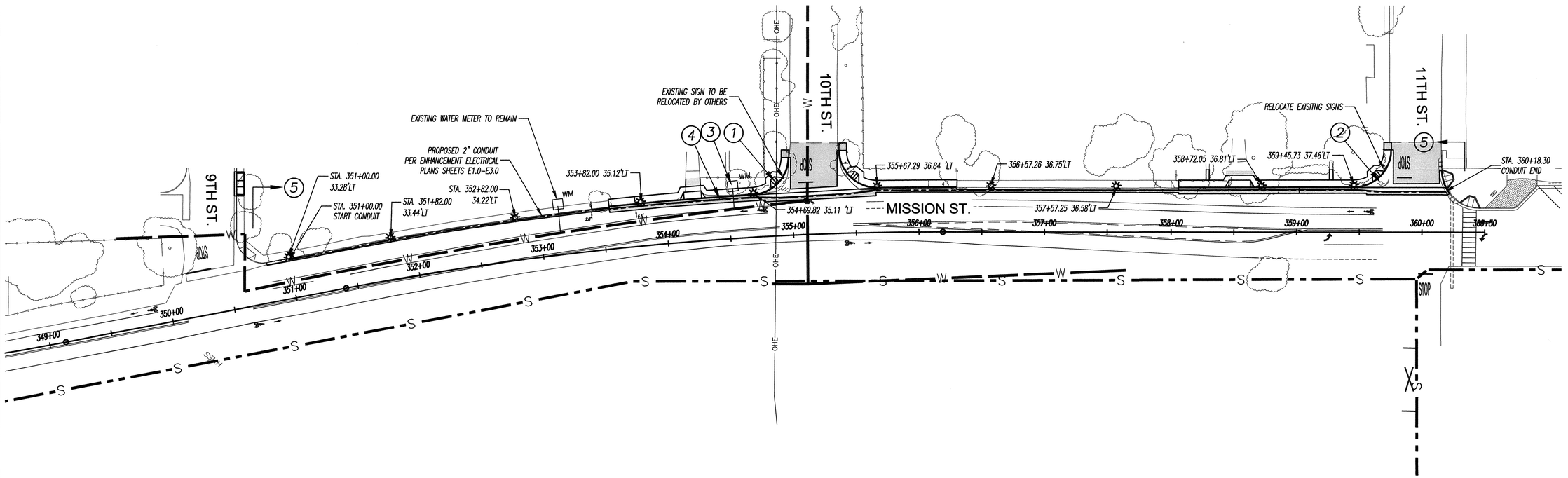
CONTOUR INTERVAL= 1.0

REGISTERED PROFESSIONAL ENGINEER
MARK K. DAVIS
C 63477
CIVIL
STATE OF CALIFORNIA

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
CURB RETURN DETAILS					
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

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



LEGEND

✲	LAMP POST TO BE INSTALLED AT LOCATIONS INDICATED ON PLAN AND AS DIRECTED BY THE ENGINEER. SEE ELECTRICAL PLANS
WM	EXISTING WATER VALVE BOX TO BE ADJUSTED TO GRADE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
OHE	EXISTING OVER HEAD ECLECTRICAL 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 SMCSD.
4. POTENTIAL CONFLICT WITH SMCSD WATER MAIN AND PROPOSED STREET LIGHT CONDUIT PER THOMA ELECTRIC PLANS E2.0 (STA. 354+00± TO STA. 355+10±)
5. REFER TO E2.0 AMD E2.1 ON THOMA PLANS FOR PROPOSED ELECTRICAL CONDUIT AND LIGHT STANDARDS.

REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS C 63477 CIVIL STATE OF CALIFORNIA

0 1 2 3 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
COMPOSITE UTILITY PLAN					
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

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

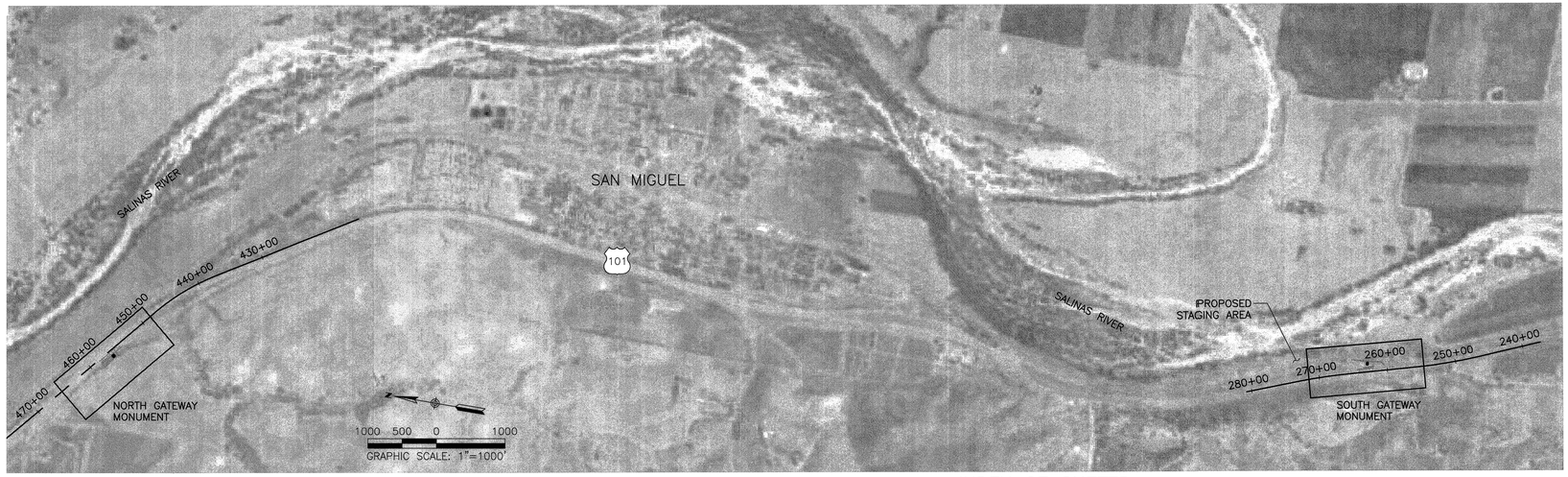
COUNTY OF SAN LUIS OBISPO

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



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.

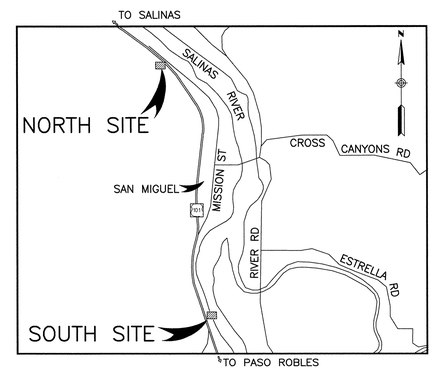
ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GRIDE DISTANCES OF THE CALIFORNIA COORDINATE SYSTEM OF 1983 ZONE 5 PROJECTION. THE PUBLISHED COMBINED SCALE FACTOR FOR "SLO/101/PM-63.52" IS 0.99996092. DIVIDE THE DISTANCES HEREON BY THE COMBINED SCALE FACTOR TO OBTAIN GROUND DISTANCES 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 GEINERAL NOTES
9	S1.03	STRUCTURAL GEINERAL NOTES
10	S2.01	SIGN ELEVATION AND FOUNDATION PLAN
11	S6.01	TYPICAL STRUCTURAL DETAILS
12	S6.02	STRUCTURAL DETAILS
13	L-1	LANDSCAPE SCHIEDULE, 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:

1. 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.

2. 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.

REGISTERED PROFESSIONAL ENGINEER
THOMAS E. MARTIN
No.64222
CIVIL
STATE OF CALIFORNIA

Thomas E. Martin 11/21/14
PROJECT ENGINEER DATE

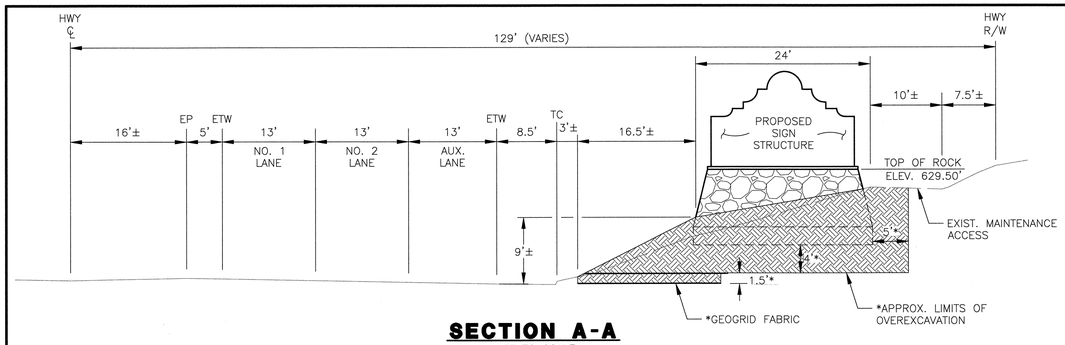
RICK ENGINEERING COMPANY
San Luis Obispo
711 TANK FARM ROAD - SUITE 110
SAN LUIS OBISPO, CA 93401
805.544.0707
(FAX)805.544.2052
rickengineering.com
San Diego - Riverside - Orange - Sacramento - Phoenix - Tucson

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TITLE SHEET					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
R. HAYES	11/21/14	R. HAYES	11/21/14	M. BRITTON	11/21/14

L:\16969 San Miguel Gateway\Civil\Sheets\16969-C-TS.dwg 2014-11-20 - 10:28AM - rhayes

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



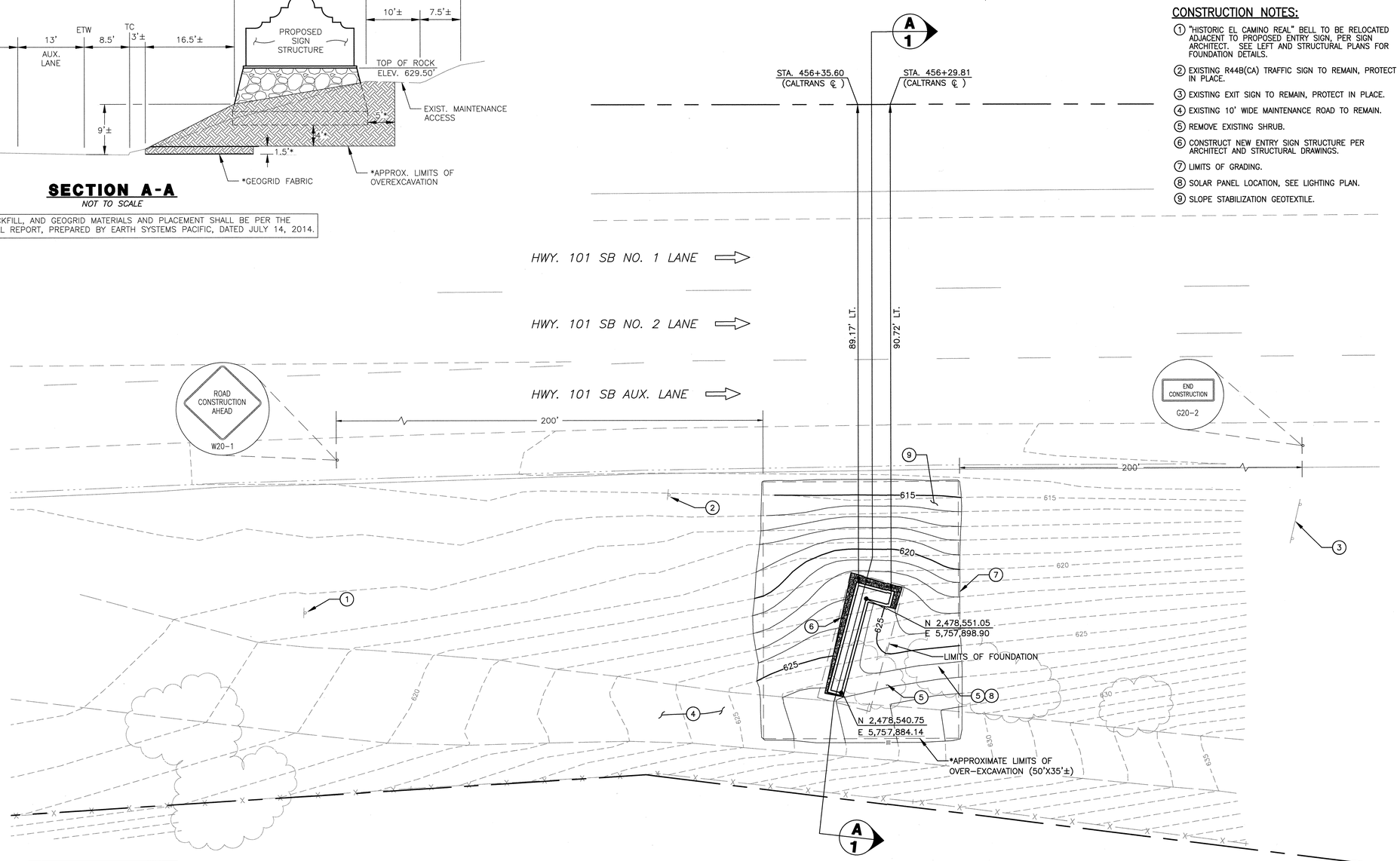
SECTION A-A

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.

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.



RICK ENGINEERING COMPANY
San Luis Obispo
711 TANK FARM ROAD - SUITE 110
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rickengineering.com
San Diego - Riverside - Orange - Sacramento - Phoenix - Tucson

REGISTERED PROFESSIONAL ENGINEER
THOMAS E. MARTIN
No.64222
CIVIL
STATE OF CALIFORNIA

Thomas E. Martin 11/21/14
PROJECT ENGINEER / DATE

40 20 0 40 80 120
GRAPHIC SCALE: 1"=40'

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

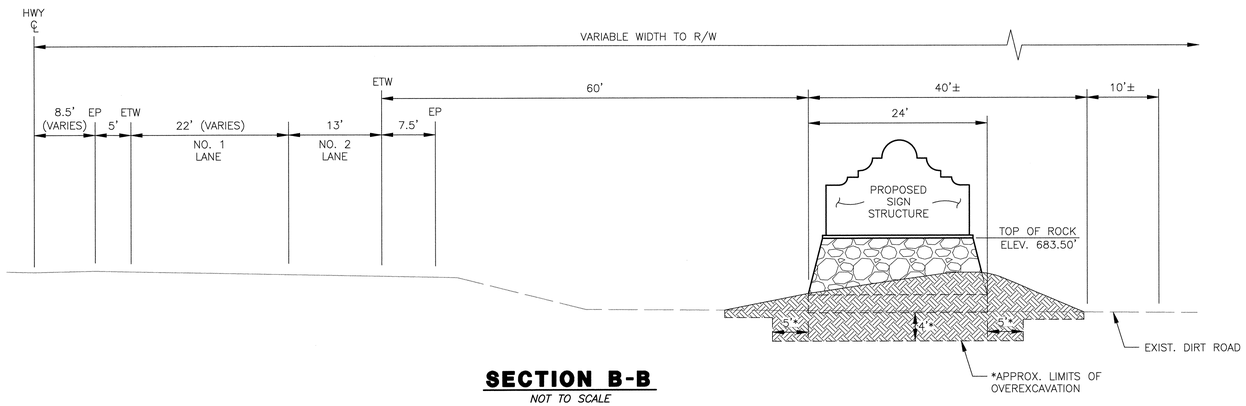
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
NORTH GATEWAY EXCAVATION AND GRADING PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
R. HAYES	11/21/14	R. HAYES	11/21/14	M. BRITTON	11/21/14

L:\1699_San Miguel Gateway\Civil\Sheets\1699-c-SHT01.dwg 2014-11-20 - 10:29AM - rhayes

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

CONSTRUCTION NOTES:

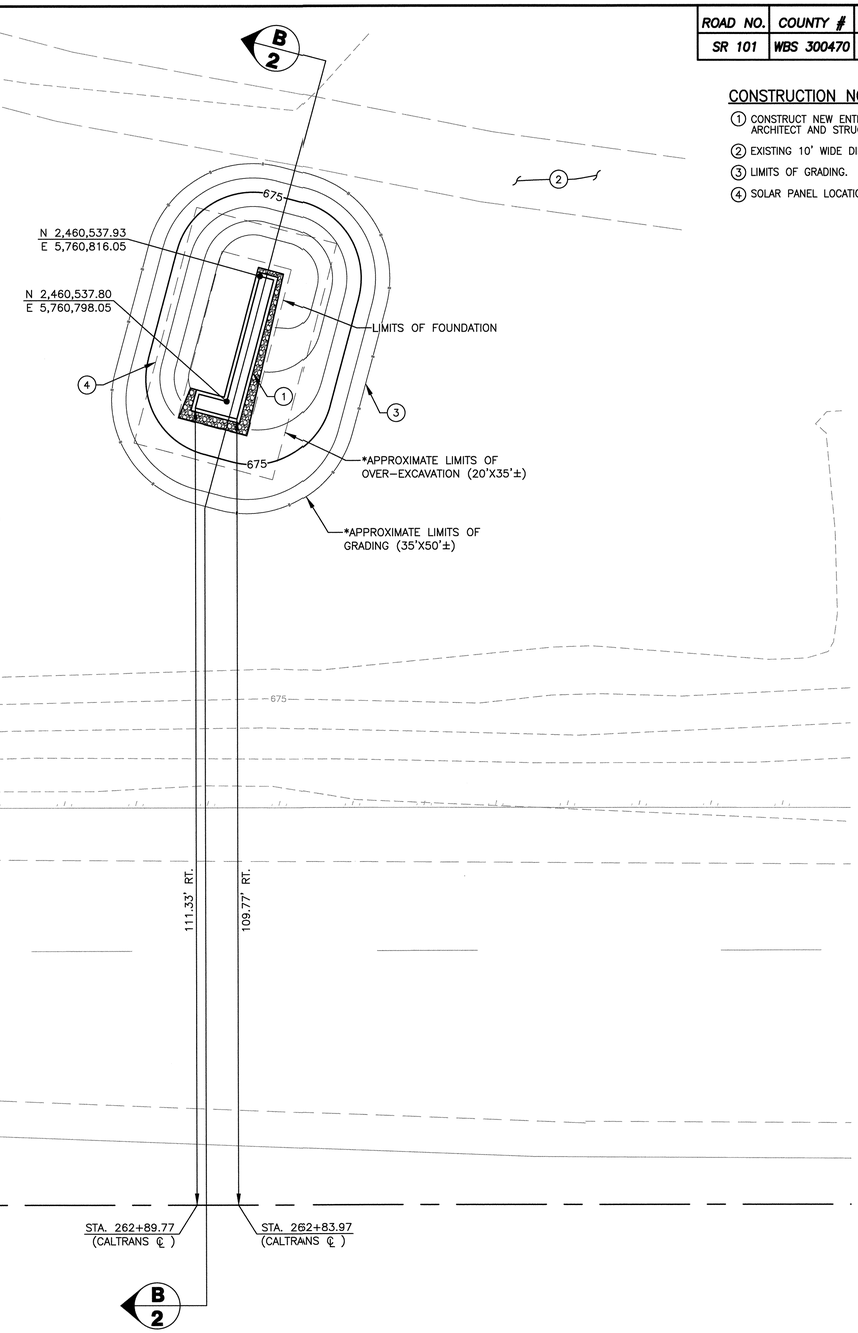
1. CONSTRUCT NEW ENTRY SIGN STRUCTURE PER ARCHITECT AND STRUCTURAL DRAWINGS.
2. EXISTING 10' WIDE DIRT ROAD TO REMAIN.
3. LIMITS OF GRADING.
4. SOLAR PANEL LOCATION, SEE LIGHTING PLAN.



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.



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THOMAS E. MARTIN
No.64222
CIVIL
STATE OF CALIFORNIA

Thomas E. Martin 11/21/14
PROJECT ENGINEER DATE

40 20 0 40 80 120
GRAPHIC SCALE: 1"=40'

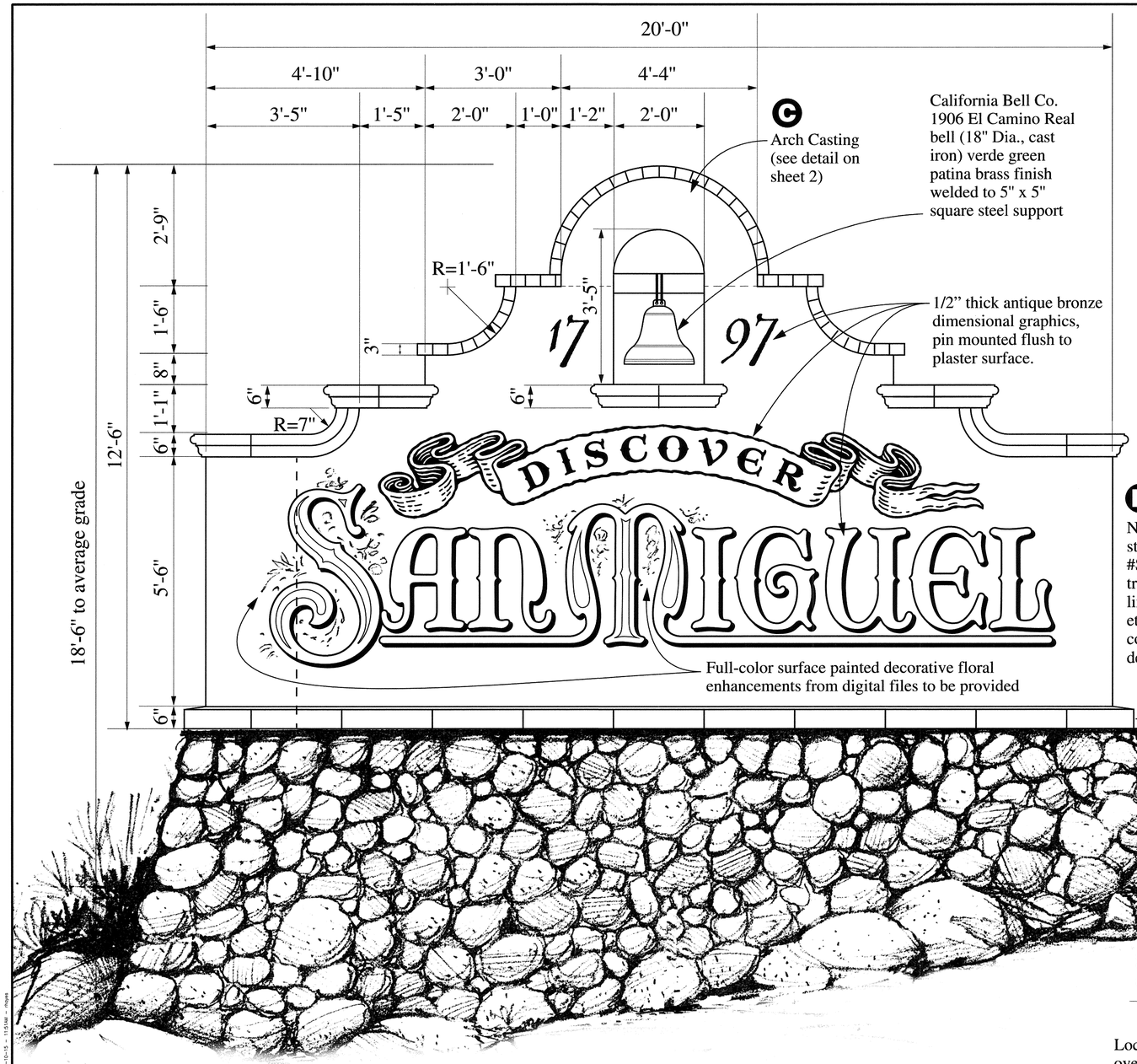
0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

L:\16699 San Miguel Gateway\Civil\Sheets\16699-c-MP02.dwg 2014-11-20 - 10:30AM - rhayes

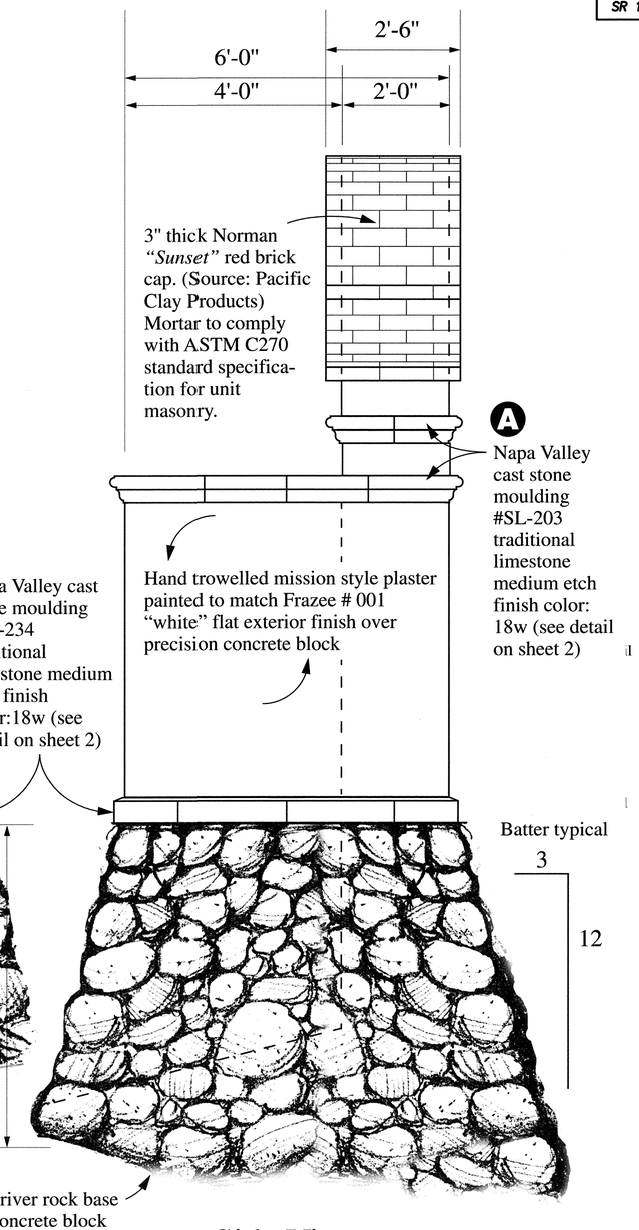
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
SOUTH GATEWAY EXCAVATION AND GRADING PLAN
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
R. HAYES	11/21/14	R. HAYES	11/21/14	M. BRITTON	11/21/14

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



Front View



Side View

San Miguel Entry Sign

Scale: 3/4"=1'0"

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

PIERRE RADEMAKER
DESIGN
1041 CHORRO STREET, SUITE 230
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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

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, EVOLVED, 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

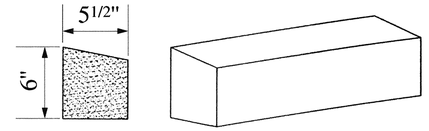
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ARCHITECTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
PR	10/10/14	PR	10/10/14	M. BRITTON	10/10/14

L:\16999 San Miguel Gateway\Work\16999A-A_ARCHDETAILS.dwg 2014-10-15 - 11:51AM - mayes

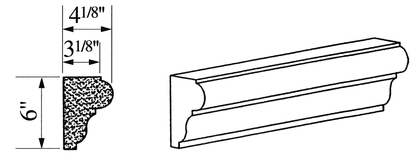
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	A-2	21

Color Rendering

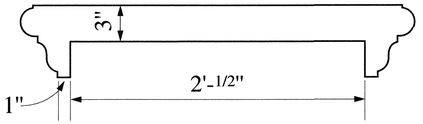
No Scale



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

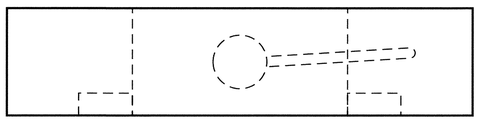


A Napa Valley cast stone moulding #SL-203
traditional limestone medium etch finish color:18w

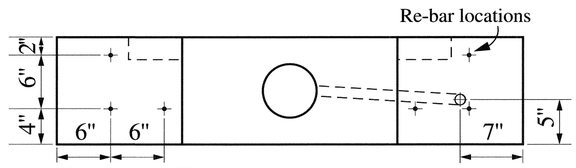


A Full cap option section

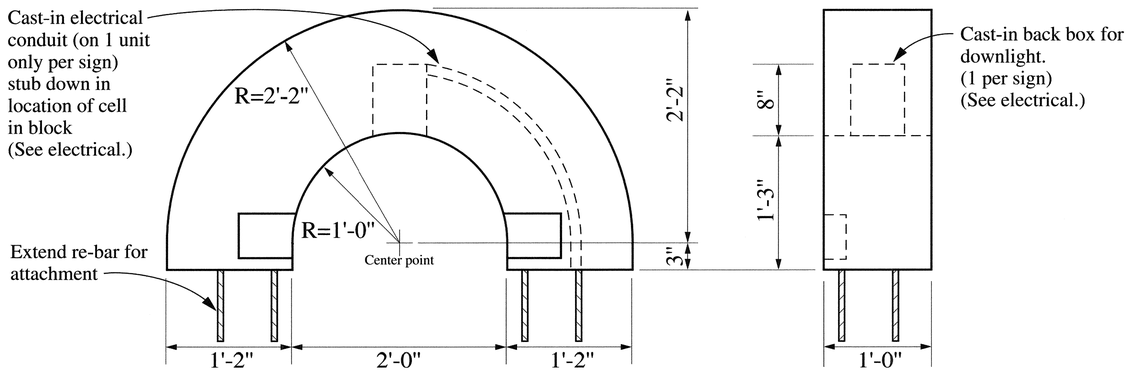
Note: Mouldings to be applied to surface with thin-set mortar at 3/8" thickness typical. 1/2" joints to be grouted.



Top Elevation



Bottom Elevation

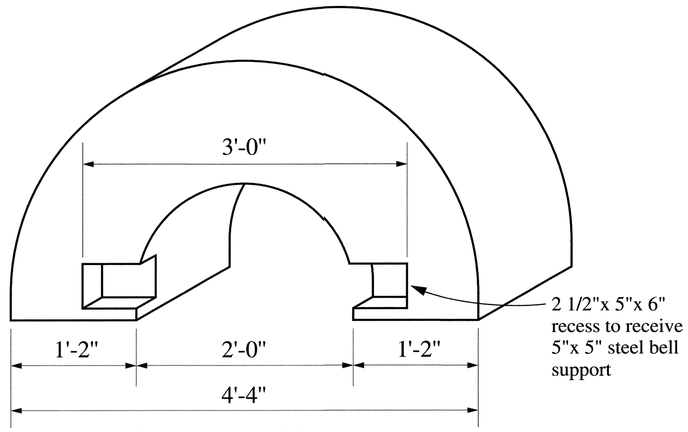


Inside Elevation

Side Elevation

Trim Details

Scale: 1" = 1'-0"



Isometric View

Arch Casting Details (2 required per sign) **C**

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

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

PIERRE RADEMAKER
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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 Details

DRAWN BY: PR/TL/DS
CHECKED BY: PR
DATE: 08-08-13
REVISED: 07-31-14

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, EVOLVED, 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.

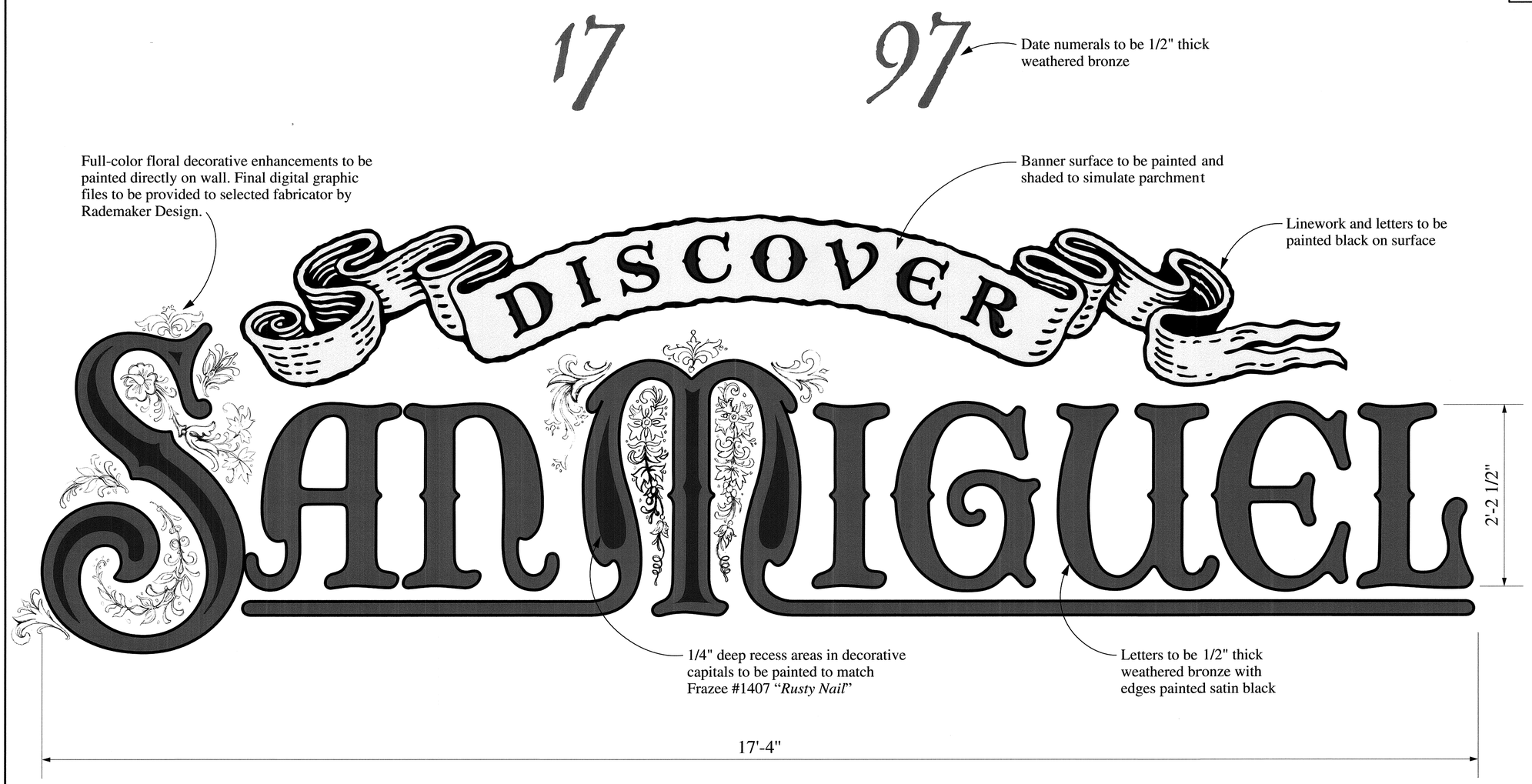
JOB NO.: RK-1401

SHEET NO.: 2 OF: 3

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ARCHITECTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
PR	10/10/14	PR	10/10/14	M. BRITTON	10/10/14

L:\1668 San Miguel Gateway\Arch\1668sht-A_ARCHDETAILS.dwg 2014-10-15 - 11:52AM - mayes

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



Note: Digital vector files for all graphic components will be provided to selected fabricator by Rademaker Design.

Sign Graphics

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

PIERRE RADEMAKER
DESIGN
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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:
Graphic Details

DRAWN BY: PR/TL/DS
CHECKED BY: PR
DATE: 07-10-14
REVISED:

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, EVOLVED, 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.:
3 OF: 3

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

L:\1999 San Miguel Gateway\Art\1999A-A_ARCHDETAILS.dwg 2014-10-15 - 11:52AM - mayes

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
ARCHITECTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
PR	10/10/14	PR	10/10/14	M. BRITTON	10/10/14

ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD.	ADDITIONAL
ADJ.	ADJACENT
AGGR.	AGGREGATE
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AL.	ALUMINUM
ALT.	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX.	APPROXIMATE
ARCH.	ARCHITECT OR ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH.	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVG.	AVERAGE
AWS	AMERICAN WELDING SOCIETY
B/D	BOTTOM OF DECK
BLDG.	BUILDING
BLK(G).	BLOCK(ING)
BM.	BEAM
BN	BOUNDARY NAIL
BP	BASE PLATE
BS	BOTH SIDES
BOT.	BOTTOM
BRG.	BEARING
	CHANNEL
CANT.	CANTILEVER
CBC	CALIFORNIA BUILDING CODE
CC	CARRIED COLUMN
CF	CUBIC FOOT
CJ	CONTROL OR CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNITS
COL.	COLUMN
CONC.	CONCRETE
COORD.	COORDINATE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CSK.	COUNTERSINK
CTR.	CENTER
CY	CUBIC YARD
	PENNY WEIGHT (NAILS, ETC.)
db	BAR DIAMETER
DET.	DETAIL
DF-L	DOUGLAS FIR-LARCH
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM(S).	DIMENSION(S)
DKG.	DECKING
DL	DEAD LOAD
DO	DITTO OR DO OVER
DWG(S).	DRAWING(S)
DWL.	DOWEL
DWLS.	DOWELS
	EAST
(E)	EXISTING
EA.	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELECT.	ELECTRIC OR ELECTRICAL
ELEV.	ELEVATION
EMBED.	EMBEDMENT
EN	EDGE NAIL OR END NAIL
ENGR.	ENGINEER
EQ.	EQUAL
EQUIP.	EQUIPMENT
ER	EVALUATION REPORT
ES	EVALUATION SERVICE
ES	EACH SIDE
ESR	EVALUATION SERVICE REPORT
EW	EACH WAY

EXCAV.	EXCAVATE
EXT.	EXTERIOR
FAB.	FABRICATION, FABRICATED
FDN.	FOUNDATION
FF	FAR FACE
FIG.	FIGURE
FIN.	FINISH
FLR.	FLOOR
FN	FIELD NAIL
FRMG.	FRAMING
FS	FAR SIDE
FT.	FEET OR FOOT
FTG.	FOOTING
GA.	GAGE OR GAUGE
GALV.	GALVANIZE OR GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GL	GRID LINE
GLB	GLUED LAMINATED BEAM
GR.	GRADE
GRND.	GROUND
GYP. BD.	GYPSUM BOARD
HD	HOLDOWN
HDR.	HEADER
HGR.	HANGER
HK.	HOOK
HT.	HEIGHT
HORIZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
IBC	INTERNATIONAL BUILDING CODE
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN.	INCHES
INCL.	INCLUDE OR INCLUDED
INFO.	INFORMATION
INT.	INTERIOR
JT(S).	JOINT(S)
K	KIP (1,000 LBS.)
KO.	KNOCKOUT
LB(S).	POUND(S)
L	ANGLE
LAM.	LAMINATED
LG.	LONG
LGTH.	LENGTH
LHE	LOW HYDROGEN ELECTRODE
LL OR JL	DOUBLE ANGLE
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONGIT.	LONGITUDINAL
LSH	LONG SLOTTED HOLE
LT.	LIGHT
LWC	LIGHT WEIGHT CONCRETE
MATL.	MATERIAL
MB	MACHINE BOLT
MAX.	MAXIMUM
MECH.	MECHANICAL
MED.	MEDIUM
MET.	METAL
MEZZ.	MEZZANINE
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MIX.	MIXTURE
MULT.	MULTIPLE
(N)	NEW
N	NORTH
NF	NEAR FACE
NO.	NUMBER
NOM.	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE

NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OVERSIZED HOLE
OPNG.	OPENING
OPP.	OPPOSITE
ORIG.	ORIGINAL
PCF	POUNDS PER CUBIC FOOT
PERM.	PERMANENT
PERP.	PERPENDICULAR
PL.	PLATE
PLF	POUNDS PER LINEAR FOOT
PNL.	PANEL
PROJ.	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT.	POINT
PT	POST TENSIONED
PTDF	PRESSURE TREATED DOUGLAS FIR
PW.	PLYWOOD
QTY.	QUANTITY
R	RADIUS
REF.	REFERENCE
REINF.	REINFORCE, REINFORCEMENT OR REINFORCING
REV.	REVISE OR REVISION
REQD.	REQUIRED
S	SOUTH
SCHED.	SCHEDULE
SECT.	SECTION
SF	STRUT FORCE
SHTG.	SHEATHING
SHT.	SHEET
SIM.	SIMILAR
SK.	SKETCH
SM	SHEET METAL
SOG	SLAB ON GRADE
SP.	SPIRAL
SPECS.	SPECIFICATIONS
SQ.	SQUARE
SS	STAINLESS STEEL
SSH	SHORT SLOTTED HOLE
STAGG.	STAGGERED
STD.	STANDARD
STG.	STRONG
STIFF.	STIFFENER
STIR.	STIRRUP
STL.	STEEL
STRUCT.	STRUCTURAL
SW	SHEAR WALL
SYMM.	SYMMETRICAL
T/	TOP OF
T/F	TOP OF CONCRETE FOUNDATION
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK.	THICK
THRU	THROUGH
TOT.	TOTAL
TRANS.	TRANSVERSE
T/S	TOP OF STEEL
T/W	TOP OF WALL
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VIF	VERIFY IN THE FIELD
W	WEST
W	WIDE FLANGE
W/	WITH
WD.	WOOD
W/O	WITHOUT
WP	WORK POINT
WT.	WEIGHT
WT	STRUCTURAL TEE
WWF	WELDED WIRE FABRIC

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
000'-0"	ELEVATION INDICATOR
S	STEP IN CONTINUOUS FOOTING INDICATOR
DIM.	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

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

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

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

REGISTERED PROFESSIONAL ENGINEER
STACEY M. MORRIS
No. C 74623
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

11/21/14
PROJECT ENGINEER DATE

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
STRUCTURAL COVER SHEET
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
SMM	11/21/14	SMM	11/21/14	M. BRITTON	11/21/14

W:\21000 - San Miguel Gateway\Drawings\Sheets\21000_S-1.dwg 2014-11-20 - 02:04 PM - smorris

GENERAL NOTES

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

A. GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE DESIGNER AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. DO NOT SCALE THE DRAWINGS.
3. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND THE TYPICAL DETAILS.
4. 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.
5. SEE THE DESIGNERS DRAWINGS FOR THE FOLLOWING:
   A. SIZE AND LOCATION OF OPENINGS.
   B. MOULDING AND FINISHES.
   C. DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
6. SEE ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   A. PIPES, SLEEVES, TRENCHES, ETC., EXCEPT AS SHOWN OR NOTED.
   B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   C. ANCHORAGE AND BRACING FOR ELECTRICAL EQUIPMENT TO THE STRUCTURE.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
8. 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.
9. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURE.
10. ALL SPECIFICATIONS AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.
11. 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.
12. 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.
13. ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM THE CONTRACT DOCUMENTS.
14. WIND LOAD CRITERIA:
    BASIC WIND SPEED: 100 MPH
    WIND IMPORTANCE FACTOR Iw = 1.0
    WIND EXPOSURE: C
    SOLID FREESTANDING WALLS AND SIGNS PRESSURE: 19.6 PSF
15. SEISMIC DESIGN CRITERIA:
    RISK CATEGORY: I
    SEISMIC IMPORTANCE FACTOR: Ie = 1.0
    SPECTRAL RESPONSE ACCELERATIONS: Ss = 1.494 S1 = 0.536
    SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.996 SD1 = 0.536
    SITE CLASS: D
    SEISMIC DESIGN CATEGORY: D
    SEISMIC RESPONSE COEFFICIENT: Cs = 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

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY:
   EARTH SYSTEMS PACIFIC
   REPORT NO.: SL-17331-SA
   DATED: JULY 14, 2014
2. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF WITH AN ALLOWABLE INCREASE OF ONE-THIRD FOR LOADS OF SHORT DURRATION, 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.
3. CONTRACTOR SHALL PROVIDE FOR PROPER DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
4. CONTRACTOR SHALL PROVIDE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS.
5. 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.
6. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH.
7. 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.
8. FOOTING BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS, TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING WILL NOT BE PERMITTED.
9. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED.

D. SPECIAL INSPECTIONS

1. 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.
2. 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	FREQUENCY: 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 CAPACIITY.	–	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

1. 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.
2. REINFORCED CONCRETE DESIGN IS BY THE ULTIMATE STRENGTH DESIGN METHOD.
3. 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.
4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS & TYPES:

LOCATIONS IN STRUCTURE	STRENGTH (PSI)	TYPE
FOOTINGS	3000	HARD ROCK
RETAINING WALLS/PEDESTAL	3000	HARD ROCK

5. 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.
6. CONCRETE MIXES MAY CONTAIN FLY ASH. THE FLY ASH SHALL CONFORM TO ASTM C618 CLASS F.
7. 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.
8. NON-SHRINK, NON METALLIC GROUT UNDER MOULDINGS, ETC. SHALL HAVE A MINIMUM F'c=7000 PSI.
9. CONCRETE MIXING OPERATIONS, ETC., SHALL CONFORM TO ASTM C94.
10. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 304 AND PROJECT SPECIFICATIONS. SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
11. 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.
12. CLEAR COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS:

	MINIMUM COVER, INCHES
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

13. ALL REINFORCING BARS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
14. 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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REGISTERED PROFESSIONAL ENGINEER
STACEY M. MORELLI
No. C74623
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

11/21/14
PROJECT ENGINEER DATE

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
STRUCTURAL GENERAL NOTES
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
SMM	11/21/14	SMM	11/21/14	M. BRITTON	11/21/14

GENERAL NOTES

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

E. MASONRY

1. MASONRY CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF ACI 530.

2. 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 THEN 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.

3. 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.

4. 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.

5. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.

6. 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.

7. 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.

8. PROVIDE GROUT COMPLYING WITH ASTM C476 ATTAINING A MINIMUM COMPRESSIVE STRENGTH AS REQUIRED TO MEET THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (f'm).

9. GROUT SHALL NOT CONTAIN FLY ASH IF THE SPECIFIED f'm IS 2500 PSI OR GREATER.

10. REINFORCING BARS – SEE NOTES UNDER 'REINFORCING STEEL' FOR REQUIREMENTS. USE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

E. MASONRY CONT.

11. PROVIDE A MINIMUM OF 1/2 INCH GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.

12. MAXIMUM GROUT POUR HEIGHT SHALL COMPLY WITH SECTION 1.16 AND TABLE 1.16.1 OF ACI 530.

13. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, UNLESS NOTED OTHERWISE IN THE DRAWINGS.

14. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.

15. REFER TO DESIGNER'S DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.

F. REINFORCING STEEL (FOR CONCRETE AND MASONRY)

1. 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.

2. DEFORMED REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60, EXCEPT TIES STIRRUPS, WHICH MAY BE GRADE 40, UNLESS NOTED OTHERWISE.

3. WELDING OF REINFORCING SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.

4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

5. SPLICES SHALL BE MADE ONLY AS AND WHERE INDICATED ON THE STRUCTURAL DRAWINGS.

6. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, UNO.

7. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.

G. EPOXY

1. INSTRUCTIONS FOR ADHESIVE ANCHORING OF REBAR AND BOLTS REFERRED TO BELOW AS BAR(S).

2. BARS MUST BE DEFORMED OR THREADED FOR THE FULL EMBEDMENT DEPTH IN ADHESIVE.

3. LOCATE THE POSITION OF ALL MISSING BARS AND REINSTALL NEW BARS IN THESE LOCATIONS.

4. 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.

5. REMOVE ALL DIRT, DUST, WATER, AND ICE BY VACUUM UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER IN THE ICC REPORT FROM THE HOLES.

6. CLEAN DIRT, RUST, AND OIL FROM THE BARS.

7. DURING THE EPOXY MIXING AND APPLICATION PROCESS, FOLLOW THE EPOXY MANUFACTURER'S SPECIFICATIONS EXACTLY. INSPECTOR TO VERIFY EXPIRATION DATE OF EPOXY.

8. VERTICAL HOLES TO BE FILLED FROM THE BOTTOM ARE TO USE AN EPOXY GEL.

9. 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

1. 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.

2. THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS BEFORE COMPLETION OR COVERING UP THE FOLLOWING STAGES OF CONSTRUCTION:

   A. FOUNDATION REINFORCING PLACEMENT

   B. PEDESTAL AND WALL REINFORCING PLACEMENT

3. THE COUNTY SHALL PROVIDE THE STRUCTURAL ENGINEER OF RECORD WITH DOCUMENTATION AFTER OBSERVATIONS INCLUDING BUT NOT LIMITED TO:

   A. ITEMS OBSERVED

   B. PHOTOGRAPHS, SKETCHES, ETC. OF ITEMS NOT IN COMPLIANCE WITH THE APPROVED DRAWINGS

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REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

11/21/14
PROJECT ENGINEER DATE

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
STRUCTURAL GENERAL NOTES					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	11/21/14	SMM	11/21/14	M. BRITTON	11/21/14

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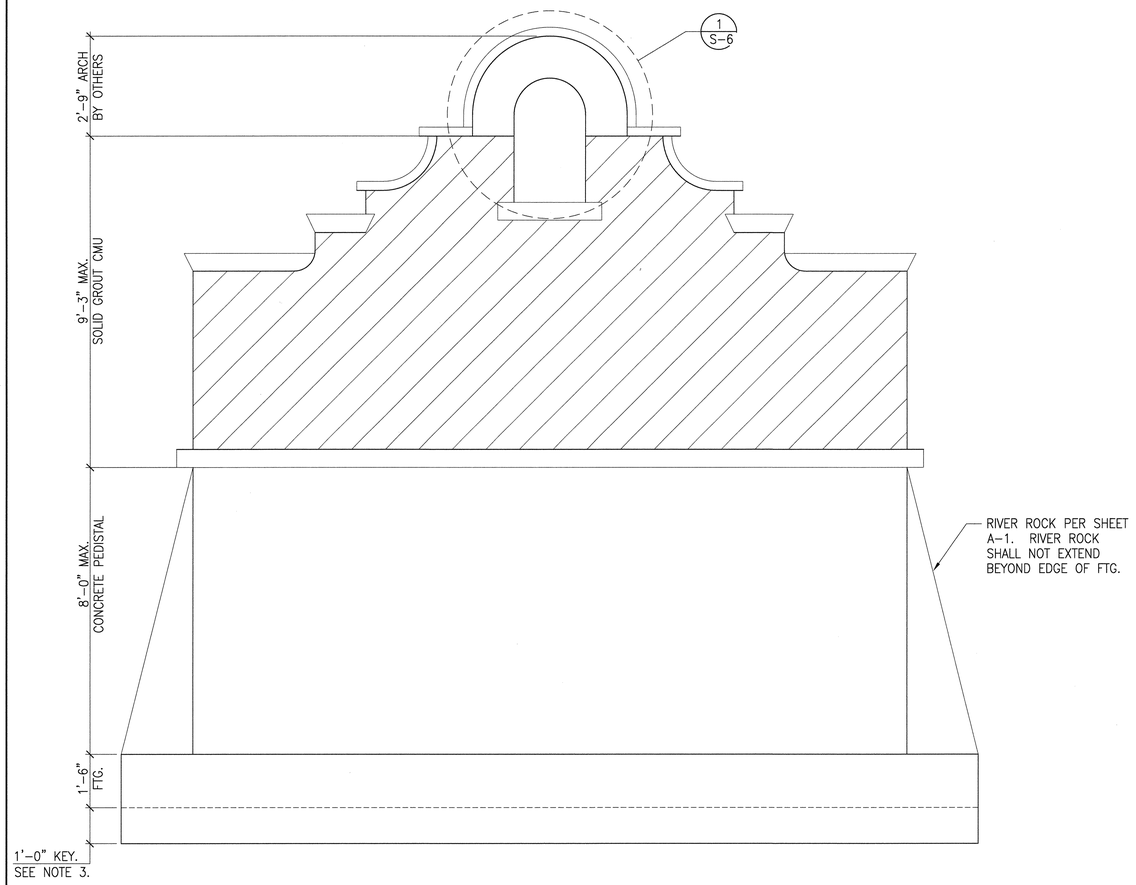
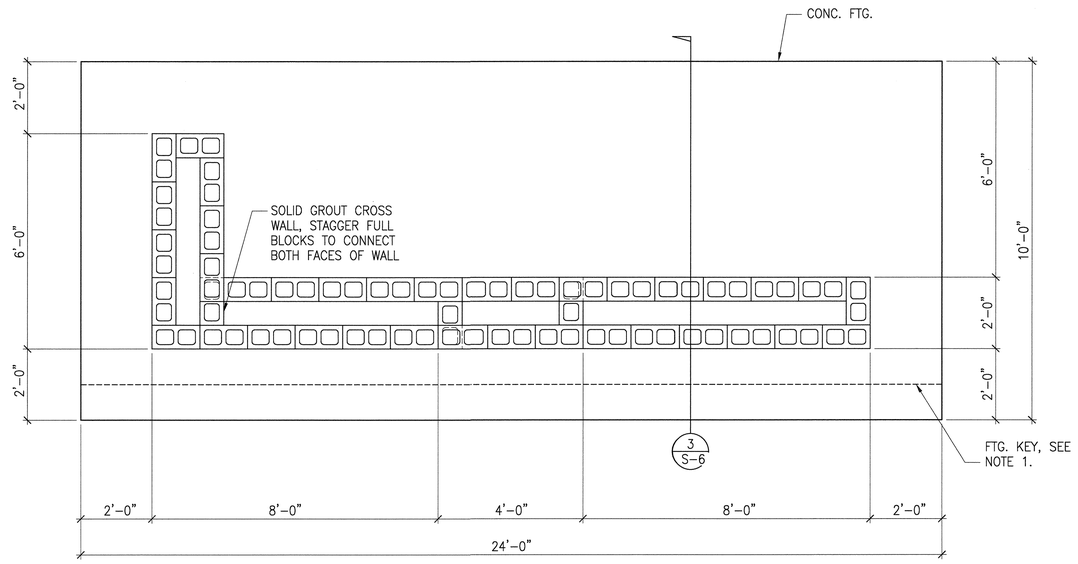
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-4	21



NOTES:
1. SIGN SHAPE AND FINISH IS PER RADEMAKER DESIGN. SEE RADEMAKER DESIGN'S DRAWINGS FOR ADDITIONAL INFORMATION (SHEETS A-1 THRU A-3).
2. FOR ADDITIONAL INFORMATION SEE (2/–)
3. THE KEY IS ONLY REQUIRED AT THE SOUTH BOUND GATEWAY (NORTHEN MOST) MONUMENT.

SIGN ELEVATION (1)

½" = 1'-0"



NOTES:
1. KEY ONLY OCCURS AT SOUTH BOUND GATEWAY (NORTHERN MOST) MONUMENT.

SIGN FOUNDATION (2)

½" = 1'-0"

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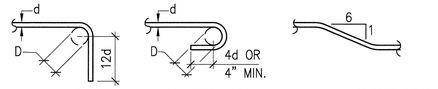
0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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	11/21/14	SMM	11/21/14	M. BRITTON	11/21/14

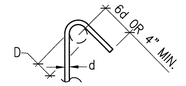
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-5	21



90° STD. HOOK 180° STD. HOOK MAXIMUM OFFSET BEND

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

PRINCIPAL REINFORCING



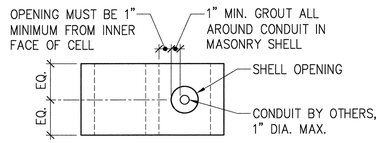
135° STD. HOOK

MIN. D=1½" FOR #3
MIN. D=2" FOR #4
MIN. D=2½" FOR #5

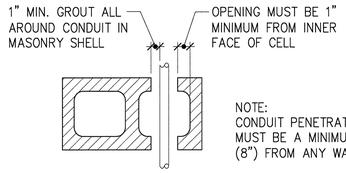
STIRRUPS AND TIES

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)



BLOCK FACE



TOP OF BLOCK

PIPING AND CONDUIT THRU CMU WALL (4)

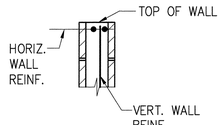
f'c = 3000 PSI

BAR SIZE	OTHER BARS CASE 1	OTHER BARS 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

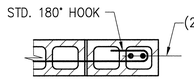
NOTES:
1 THIS TABLE FOR USE WITH NORMAL WEIGHT HARDROCK CONCRETE AND GRADE 60 UNCOATED REINFORCING BARS. FOR LIGHTWEIGHT AGGREGATE USE 1.3 ℓ_d. ℓ_d= TENSION DEVELOPMENT LENGTH SHOWN AT THIS TABLE.

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

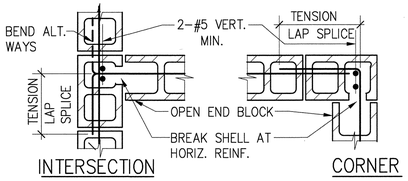
TENSION DEVELOPMENT LENGTH, ℓ_d (IN INCHES) (2)



TOP OF WALL



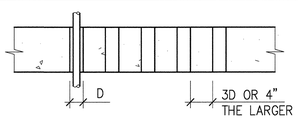
END OF WALL



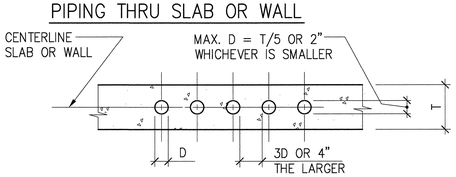
INTERSECTION CORNER

NOTE: FOR TENSION LAP SPLICE SEE (6)

CMU WALL INTERSECTIONS (5)



PIPING THRU SLAB OR WALL



CONDUIT IN SLAB OR WALL

PIPING AND CONDUIT IN OR THRU SLAB OR WALL (7)

f'c = 3000 PSI

BAR SIZE	LAP CLASS	OTHER BARS CASE 1	OTHER BARS 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 HARDROCK CONCRETE AND GRADE 60 UNCOATED REINF. BARS. FOR LIGHTWEIGHT AGGREGATE USE 1.3ℓ. ℓ=BASIC LAP LENGTH SHOWN AT THIS TABLE.

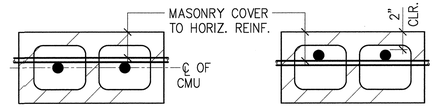
2 CLASS A – HALF OR LESS OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH.
CLASS B – MORE THAN HALF OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH.

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.

TENSION LAP SPLICE LENGTH, ℓ (IN INCHES) (3)

TENSION LAP SPLICE IN MASONRY (INCHES)
FOR VERTICAL AND HORIZONTAL REINFORCING BARS

BAR SIZE	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

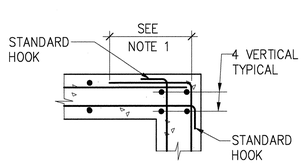


8" BLOCK
VERTICAL REINFORCING AT ℄ OF CMU

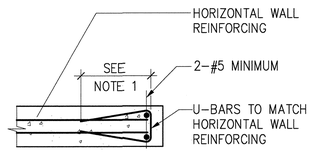
8" BLOCK
VERTICAL REINFORCING AT EDGE OF CMU

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)



PEDESTAL CORNER



END OF PEDESTAL

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

TYPICAL REINFORCING AT CONCRETE PEDESTAL (8)

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

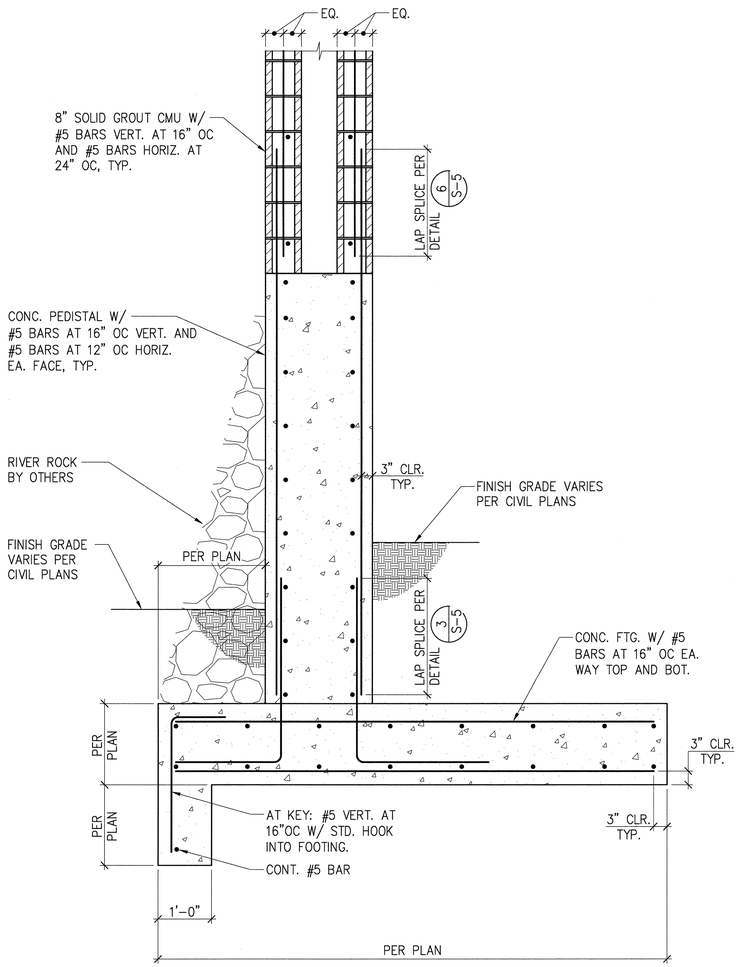
REGISTERED PROFESSIONAL ENGINEER
STACEY M. MORECI
No. C74623
EXP. 12/31/15
CIVIL
STATE OF CALIFORNIA

11/21/14
PROJECT ENGINEER DATE

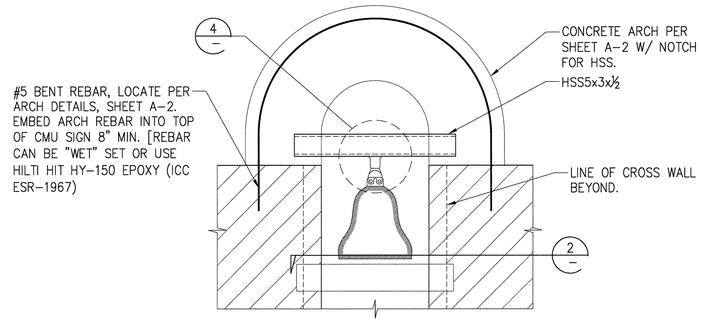
0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
TYPICAL STRUCTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	11/21/14	SMM	11/21/14	M. BRITTON	11/21/14

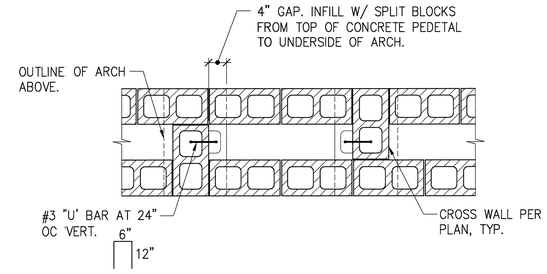
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	S-6	21



SIGN SECTION (3)
¾" = 1'-0"



ELEVATION AT SIGN ARCH (1)
¾" = 1'-0"



NOTES:
FOR ADDITIONAL REINFORCING INFORMATION SEE DETAIL 5/S-5

PLAN AT SIGN ARCH OPENING (2)
¾" = 1'-0"

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 (4)
1½" = 1'-0"

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

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CIVIL
STATE OF CALIFORNIA

11/21/14
PROJECT ENGINEER DATE

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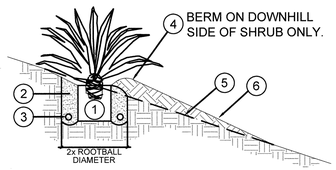
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
STRUCTURAL DETAILS					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
SMM	11/21/14	SMM	11/21/14	M. BRITTON	11/21/14

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



SLOPE CONDITION

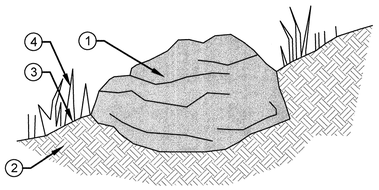
1. ROOTBALL. PLACE ON UNDISTURBED NATIVE SOIL AT BOTTOM OF PLANT PIT.
2. 50% ON-SITE SOIL / 50% SAND MIX
3. FERTILIZER TABLETS.
4. 4" HIGH EARTH BERM / MICROBASIN
5. SLOPE GRADE PRIOR TO PLANTING.
6. FINISH GRADE.

1 SHRUB PLANTING

SECTION NTS

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 $\frac{1}{3}$ TO $\frac{1}{2}$ 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

DECOMPOSED GRANITE W/ STABILIZER (4" THICKNESS) — APPROX. 3,250 S.F.

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

RICK ENGINEERING COMPANY
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(FAX)805.544.2052
rickengineering.com
San Diego - Riverside - Orange - Sacramento - Phoenix - Tucson

LICENSED LANDSCAPE ARCHITECT — James C. Suhrbier — Registered — 01-31-16 Renewal Date — Date — STATE OF CALIFORNIA

PROJECT ENGINEER DATE

0 1 2 3 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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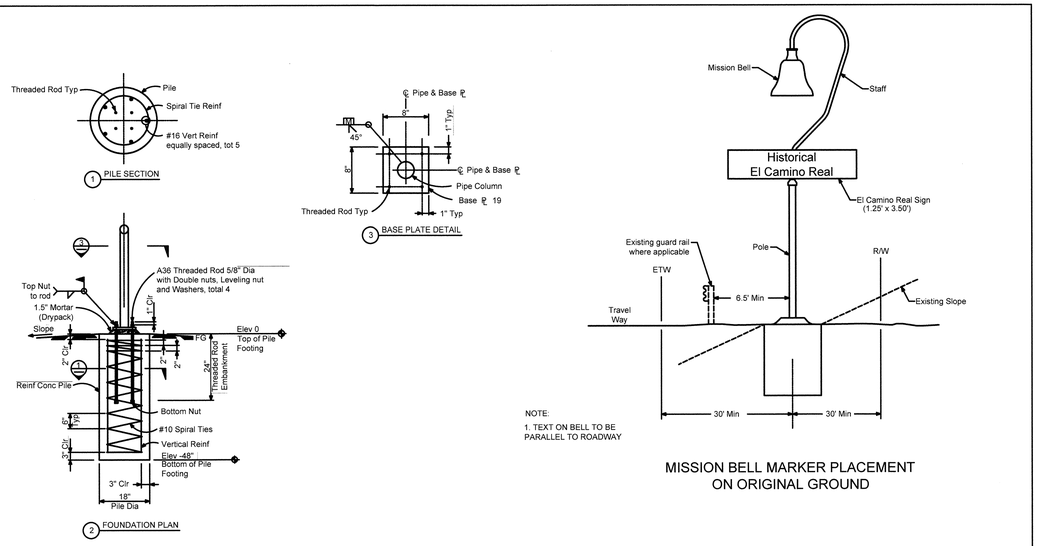
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
LANDSCAPE SCHEDULE, NOTES & DETAILS
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
BLM	11/21/14	BLM	11/21/14	M. BRITTON	11/21/14

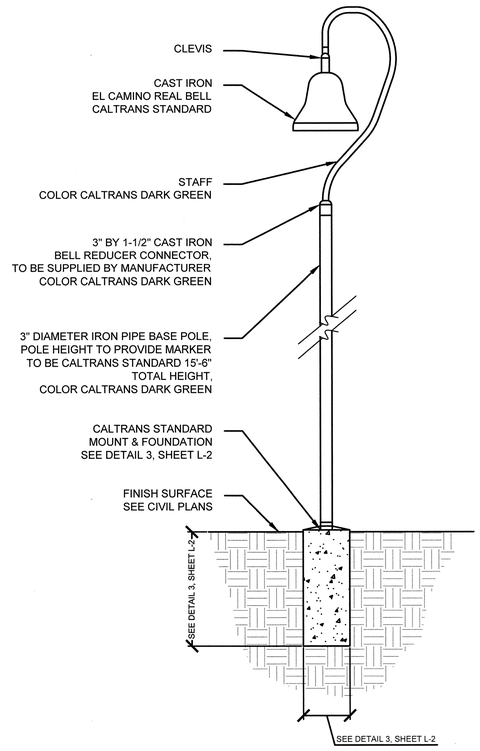
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	L-2	21



MISSION BELL FOUNDATION

MISSION BELL MARKER PLACEMENT ON ORIGINAL GROUND

3 EL CAMINO MISSION BELL MARKER - FOOTING — SECTION NTS



4 EL CAMINO MISSION BELL MARKER — SECTION NTS

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LICENSED LANDSCAPE ARCHITECT
James D. Kuhlken
Signature
01-31-15
Renewal Date
Date
STATE OF CALIFORNIA

PROJECT ENGINEER DATE

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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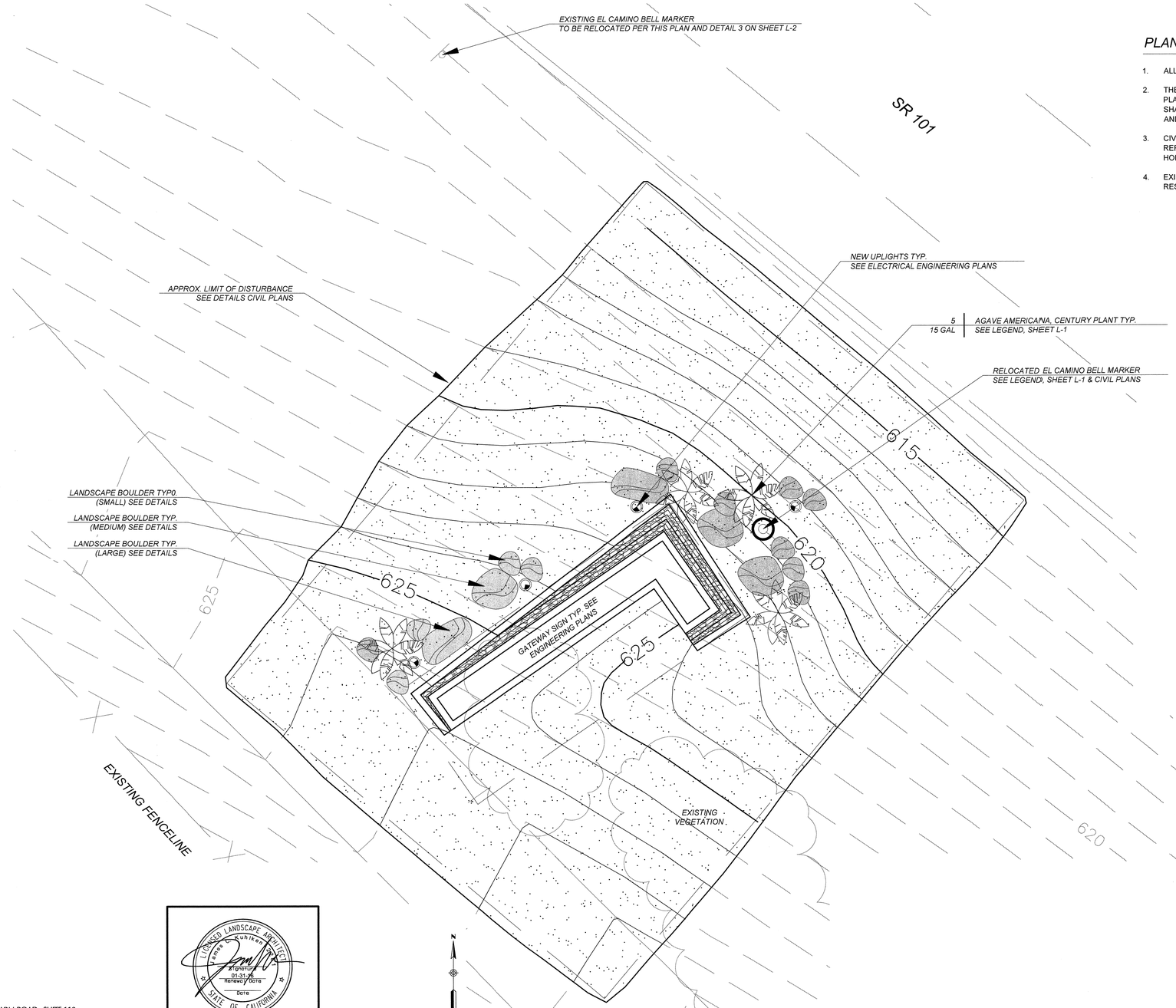
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
LANDSCAPE DETAILS
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
BLM	11/21/14	BLM	11/21/14	M. BRITTON	11/21/14

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. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES BETWEEN QUANTITIES AND SYMBOLS SHOWN.
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.

LICENSED LANDSCAPE ARCHITECT
James O. Kuhlken
Signature
01-31-15
Renewal Date
Date
STATE OF CALIFORNIA

PROJECT ENGINEER DATE

4 2 0 4 8 12
GRAPHIC SCALE: 1"=4'

0 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 3

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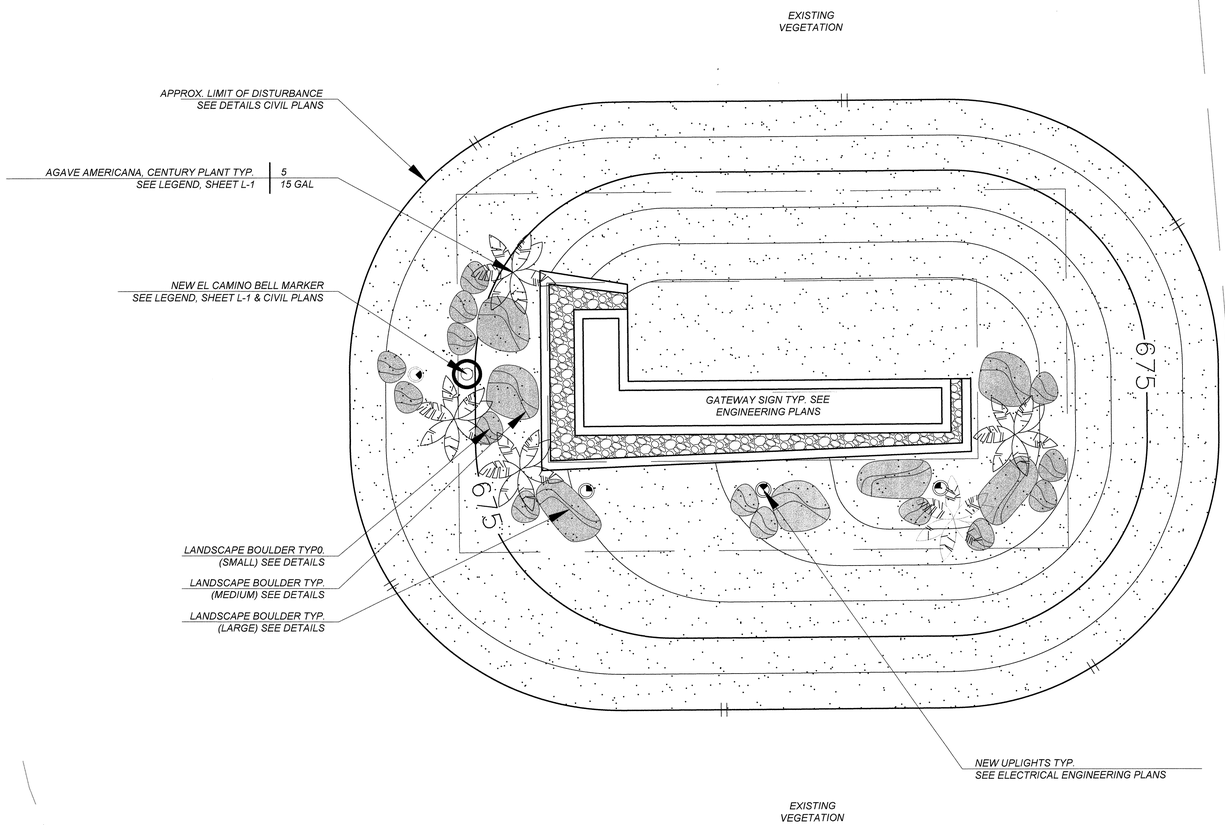
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
NORTH GATEWAY LANDSCAPE PLAN
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
BLM	11/21/14	BLM	11/21/14	M. BRITTON	11/21/14

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



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0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

LICENSED LANDSCAPE ARCHITECT
James D. Kuhlman
Signature
01-31-16
Renewal Date
Date
STATE OF CALIFORNIA

PROJECT ENGINEER DATE

N
4 2 0 4 8 12
GRAPHIC SCALE: 1"=4'

SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
SOUTH GATEWAY LANDSCAPE PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
BLM	11/21/14	BLM	11/21/14	M. BRITTON	11/21/14

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

GENERAL NOTES

1. 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:

   A. 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.

   B. AMERICANS WITH DISABILITIES ACT (ADA).

2. 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.

3. 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.

4. 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

A. 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.

B. 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.

C. 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.

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)
- A LETTER ADJACENT INDICATES FIXTURE TYPE

POWER/COMM.

- SINGLE RECEPT.
- DUPLEX RECEPT.
- GFCI GROUND FAULT CIRCUIT INTERRUPT
- MOUNTED ABOVE COUNTER
- DUPLEX- HALF SWITCHED
- DOUBLE DUPLEX
- SPECIAL CONFIGURATION
- DUPLEX- FLOOR OUTLET
- JUNCTION BOX
- TELEPHONE OUTLET
- DATA OUTLET
- PHONE/DATA COMBO OUTLET
- MOUNTED ABOVE COUNTER
- SAFETY DISCONNECT
- TV TELEVISION OUTLET

MISCELLANEOUS

- MOTOR
- T THERMOSTAT
- CIRCUIT BREAKER
- FUSIBLE SWITCH
- ø 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
- $2 DPST
- $3 3-WAY
- $4 4-WAY
- $D DIMMER
- $T TIMER SWITCH
- $T W/THERMAL OVERLOAD
- $P W/PILOT LIGHT
- $K KEY OPERATED
- $$ DUAL LEVEL SWITCHING
- (a) SWITCHLEG DESIGNATION
- OS OCCUPANCY SENSOR

FIRE ALARM

- FIRE ALARM CONTROL PANEL
- RPS REMOTE POWER SUPPLY
- H HORN- AUDIBLE DEVICE
- V VISUAL- VISUAL DEVICE
- AV AUDIBLE/VISUAL
- F FLOW SWITCH
- T TAMPER SWITCH
- P MANUAL PULL STATION
- SD SMOKE DETECTOR
- SDD DUCT SMOKE DETECTOR
- H HEAT DETECTOR
- B BELL
- EOL END OF LINE RESISTOR
- SPD REMOTE POWER SUPPLY

ABBREVIATIONS

A	AMPERE
AF	AMP FUSE RATING
AFF	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
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT AMPERES
W	WATT, WIRE
WP	WEATHERPROOF (NEMA 3R)

LUMINAIRE SCHEDULE

TYPE	ILLUSTRATION	MANUFACTURER	CATALOG NO.	VOLTAGE	MAX. VA.	LAMPING	MOUNTING	DESCRIPTION
S1		BEGA	3823 LED 576 (WITH 10W REMOTE DRIVER)	24/120	3	2.5W LED 3000K	RECESSED - A-2	DOWNLIGHT
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.

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

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

10/15/14
PROJECT ENGINEER DATE

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0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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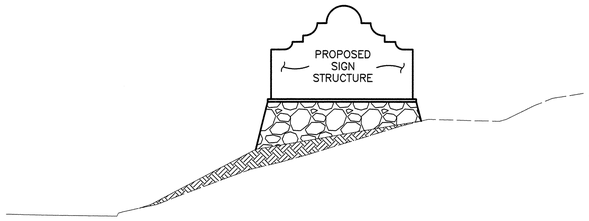
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS

ELECTRICAL GENERAL NOTES AND LEGEND

SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
J.T.	10/10/14	T.H.	10/10/14	J.T.	10/10/14

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

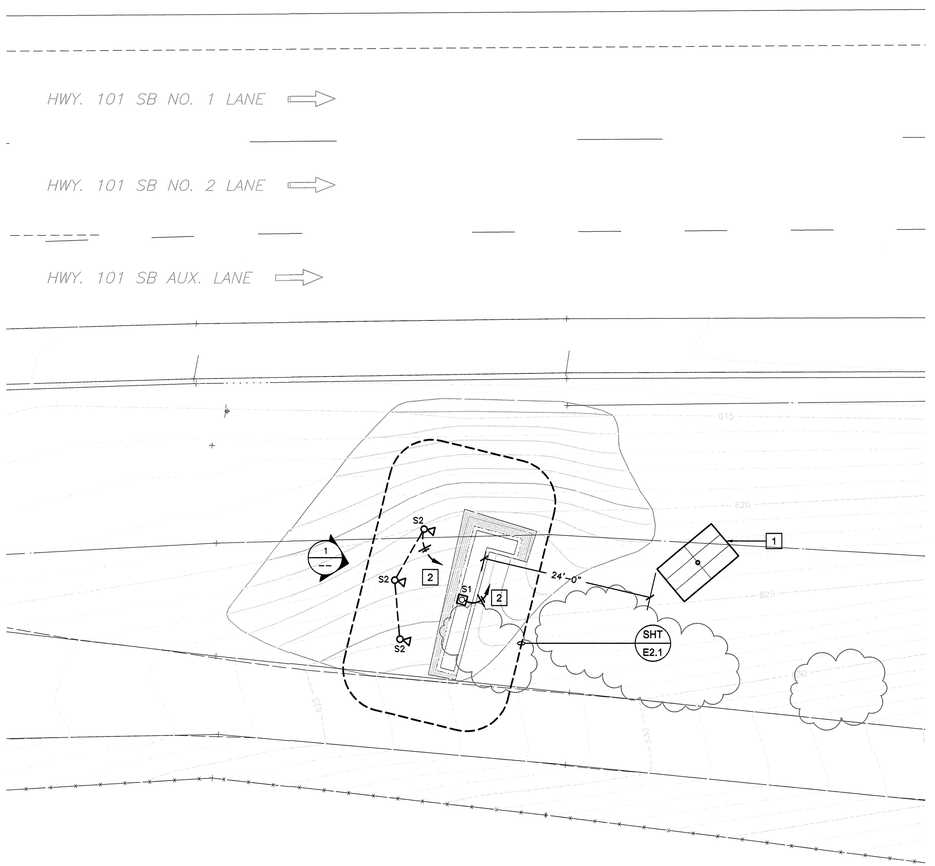


1 NORTH GATEWAY ELEVATION

SCALE: NTS

☐ REFERENCE NOTES

1. 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.
2. HOME RUN TO CONTROL EQUIPMENT IN ENCLOSURE ON BACK OF MONUMENT. SEE SHEET E2.1 AND DETAIL 4/E3.1.



NORTH GATEWAY MONUMENT ELECTRICAL PLAN

NORTH

SCALE: 1" = 10'-0"

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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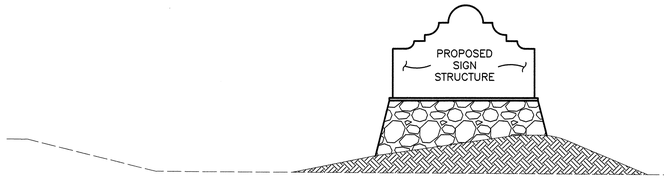
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS					
NORTH GATEWAY MONUMENT ELECTRICAL PLAN					
SAN LUIS OBISPO COUNTY, CA					
Designer	Date	Drawn By	Date	Project Manager	Date
J.T.	10/10/14	T.H.	10/10/14	J.T.	10/10/14

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

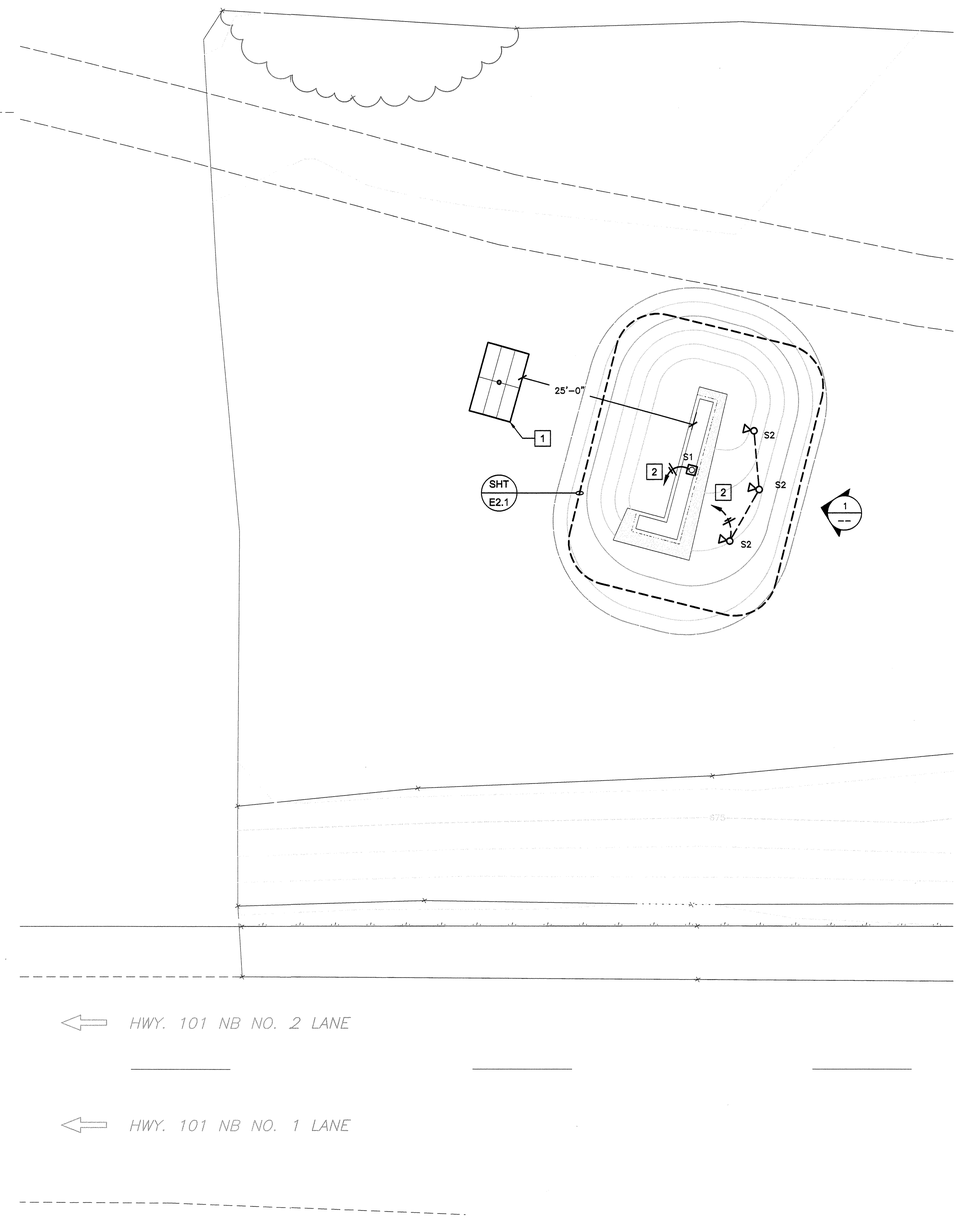


1 SOUTH GATEWAY ELEVATION

SCALE: NTS

☐ REFERENCE NOTES

1. 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.
2. HOME RUN TO CONTROL EQUIPMENT IN ENCLOSURE ON BACK OF MONUMENT. SEE SHEET E2.1 AND DETAIL 4/E3.1.



SOUTH GATEWAY MONUMENT ELECTRICAL PLAN

SCALE: 1" = 10'-0"

NORTH

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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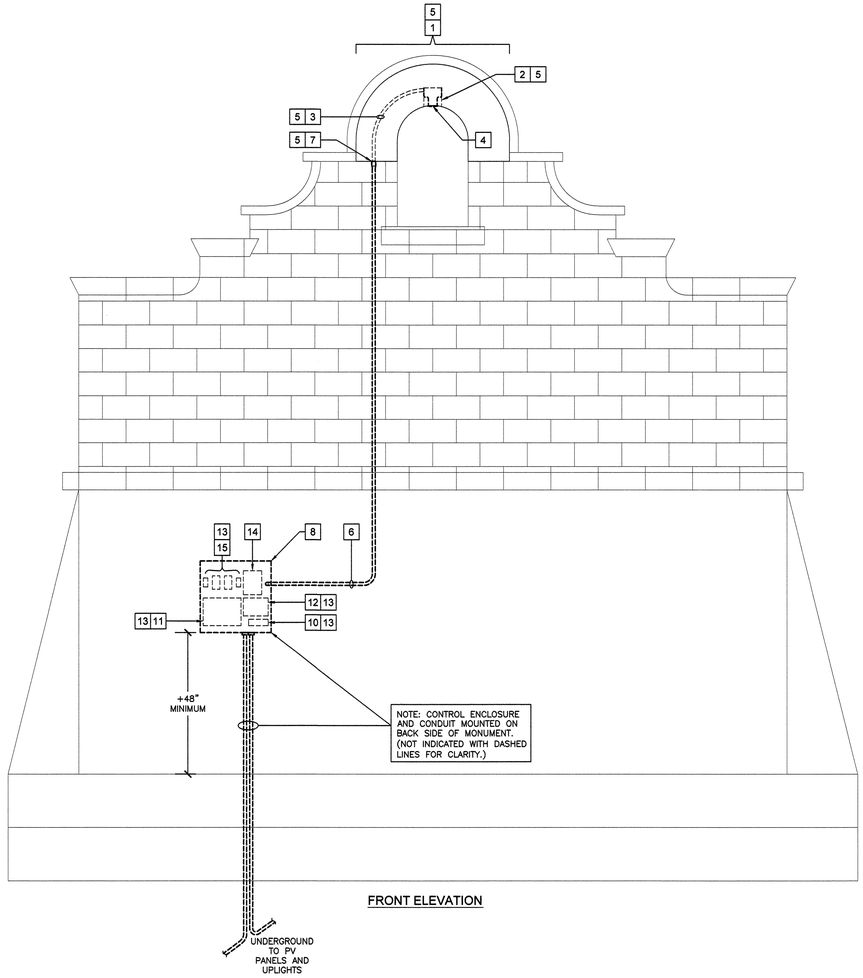
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
SOUTH GATEWAY MONUMENT ELECTRICAL PLAN
SAN LUIS OBISPO COUNTY, CA

Designer	Date	Drawn By	Date	Project Manager	Date
J.T.	10/10/14	T.H.	10/10/14	J.T.	10/10/14

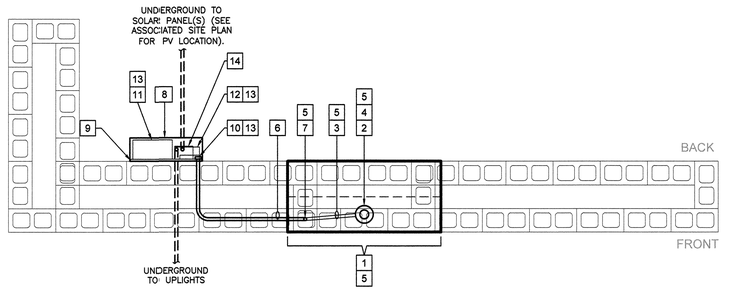
ROAD NO.	COUNTY #	SHEET NO.	TOTAL SHEETS
SR 101	WBS 300470	**E2.1**	21



FRONT ELEVATION

REFERENCE NOTES

1. MONUMENT ARCH CASTING. SEE ARCHITECTURAL PLAN, SHEET A-2 (RADEMAKER DESIGN).
2. BACKBOX FOR TYHPE "S1" FIXTURE INSTALLED BY ARCH CASTING MANUFACTURER. ELECTRICAL CONTRACTOR TO COORDINATE.
3. 1/2" CONDUIT RACEWAY INSTALLED BY ARCH CASTING MANUFACTURER AND STUBBED DOWN INTO CELL OF BLOCK.
4. DOWNLIGHT TO BE INSTALLED IN ARCH CASTING (FRONT HALF ONLY).
5. REFER TO SHEET A-2 FOR ADDITIONAL INFORMATION.
6. INSTALL 1/2" CONDUIT BETWEEN PV CONTROLLER/BATTERY ENCLOSURE AND CONDUIT STUBOUT PROVIDED IN ARCH CASTING. ROUTE IN VOID BETWEEN BLOCKS, UP THROUGH ARCH CASTING SUPPORT BLOCKS, AND CONNECT TO ARCH CASTING STUB OUT . COORDINATE INSTALLATION WITH BLOCK INSTALLER.
7. COORDINATE CONDUIT ROUTING WITH ARCH CASTING STUB OUT LOCATION.
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 2/E3.0.
14. LED DRIVER FOR DOWNLIGHT TYPE "S1". REFER TO FIXTURE SCHEDULE.
15. ISOLATION SWITCHES AND FUSES



TOP ELEVATION

1 TYPICAL ELECTRICAL MONUMENT ELEVATIONS

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

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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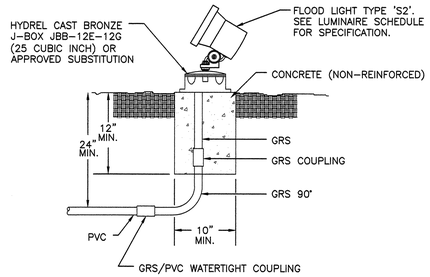
SAN MIGUEL GATEWAY AND PEDESTRIAN ENHANCEMENTS
TYPICAL ELECTRICAL MONUMENT ELEVATIONS
SAN LUIS OBISPO COUNTY, CA

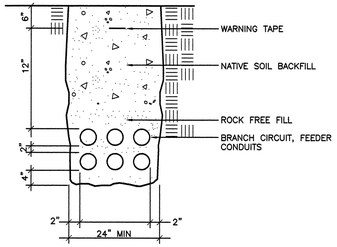
Designer	Date	Drawn By	Date	Project Manager	Date
J.T.	10/10/14	T.H.	10/10/14	J.T.	10/10/14

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



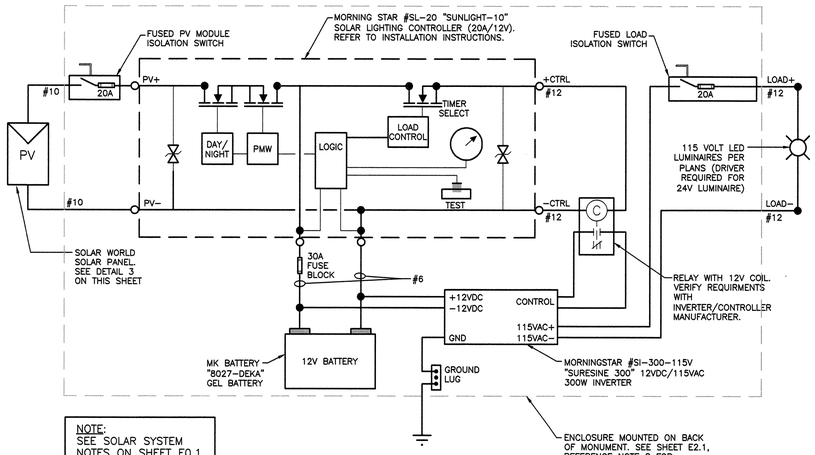
3 FLOOD LIGHT MOUNTING DETAIL

NTS



1 TYPICAL LIGHTING CIRCUIT CONDUIT TRENCH DETAIL

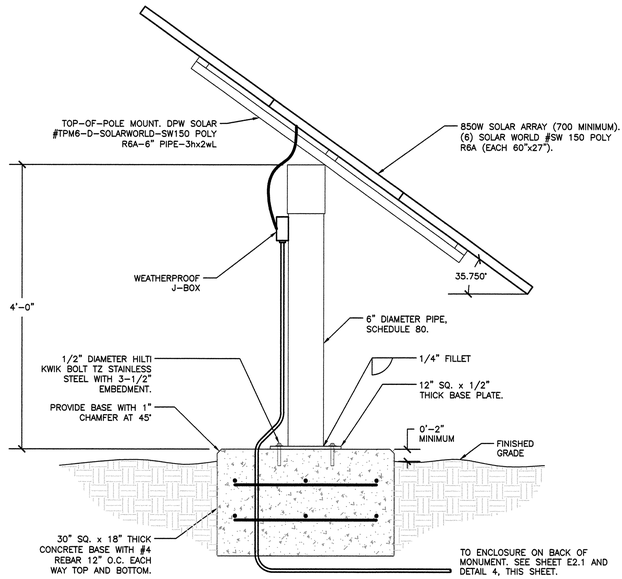
NTS



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

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"

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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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
J.T.	10/10/14	T.H.	10/10/14	J.T.	10/10/14

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	E1.0	5

LIGHTING FIXTURE SCHEDULE

TYPE	ILLUSTRATION	MANUFACTURER	CATALOG NO.	VOLTAGE	MAX. VA.	LAMPING	MOUNTING	DESCRIPTION
A		HOLOPHANE	LUM: GVD-80-4K-AS-M-B-5-R-B-H-PCS POLE: HAMILTON HL-C-14'-FTN-16-P07-ABG-BK	240	80	LED 4000K	CONCRETE BASE 1 / E3.0	DECORATIVE POLE MOUNTED LED STREET LIGHT - 14' CAST IRON FLUTED TAPERED POLE TO MATCH EXISTING STREET LIGHTS ON ADJACENT BLOCK. PROVIDE WITH INTEGRAL PHOTOCELL.
AR		HOLOPHANE	LUM: GVDRETRO-80 4K-AS-M-B-5-PHOTOCELL	240	80	LED 4000K	POLE	LED RETROFIT TO REPLACE EXISTING HPS LUMINAIRE. PROVIDE WITH INTEGRAL PHOTOCELL

LIGHTING FIXTURE 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 WITH ENGINEER EXACT LOCATIONS OF ALL LIGHT FIXTURES.
- VERIFY PART NUMBERS SPECIFIED ABOVE TO MATCH EXISTING FIXTURES INSTALLED IN PHASE ONE OF THIS PROJECT.
- BALLASTS AND LAMPS SHALL BE COMPATIBLE FOR THE APPLICATION IN WHICH THEY ARE BEING USED FOR THIS PROJECT. EACH BALLAST SHALL BE COMPATIBLE WITH THE CONTROL DEVICES USED FOR THIS JOB. BALLASTS NOT RECOMMENDED FOR USE WITH CONTROL DEVICES SHALL NOT BE USED AND THE APPROPRIATE BALLAST SHALL BE USED.

SEE NOTE | 100A, 120/240V, 1Ø, 3W; 24 FULL SIZE PLUG-IN CB SPACES | (E) PANEL **MP1** | INTEGRAL WITH METER PEDESTAL; LOCATION: 12th AND MISSION ST. | SEE NOTE

CKT #	DESCRIPTION	AMP CB / # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	WIRE SIZE	AMP CB / # POLE	DESCRIPTION	CKT #	
1	(E) IRRIGATION CONTROLLER	20 / 1	12	750		10	20 / 2	(E) STREET LIGHTS	2	1
				500						
3	(E) IRRIGATION CONTROLLER	20 / 1	10		750	10		(E) STREET LIGHTS	4	1
					500					
5	(E) SPARE	20 / 1				8	20 / 2	(E) STREET LIGHTS	6	1
				500						
7	(E) SPARE	20 / 1				8		(E) STREET LIGHTS	8	1
					500					
9	SPACE					*	20 / 2	(E) STREET LIGHTS	10	1,2
				800						
11	SPACE					*		(E) STREET LIGHTS	12	1,2
					800					
13	SPACE							SPACE	14	
15	SPACE							SPACE	16	
17	SPACE							SPACE	18	
19	SPACE							SPACE	20	
21	SPACE							SPACE	22	
23	SPACE							SPACE	24	
	CONNECTED LOAD (VA) =			2550	2550					
	25% OF CONTINUOUS LOAD =			450	450					
	TOTAL (VA) =			3000	3000					
	TOTAL VOLT =			25 A	25 A					

PANEL SCHEDULE NOTES:

1. CONTINUOUS LOAD CALCULATED AT 125%.
2. NEW CONNECTED LOAD. REFER TO PLANS FOR BRANCH CIRCUIT SIZE.

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
- STREET LIGHT

POWER/COMM.

- SINGLE RECEPT.
- DUPLEX RECEPT.
- DUPLEX- HALF SWITCHED
- DOUBLE DUPLEX
- SPECIAL CONFIGURATION
- DUPLEX- FLOOR OUTLET
- JUNCTION BOX
- TELEPHONE OUTLET
- DATA OUTLET
- 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
- EXISTING OVERHEAD LINE

SWITCHES

- $ SPST
- $2 DPST
- $3 3-WAY
- $4 4-WAY
- $D DIMMER
- $T TIMER SWITCH
- $T WITHERMAL OVERLOAD
- $P W/PILOT LIGHT
- $K KEY OPERATED
- $2$3 DUAL LEVEL SWITCHING
- (a) SWITCHLEG DESIGNATION
- OS OCCUPANCY SENSOR

ABBREVIATIONS

A	AMPERE
AF	AMP FUSE RATING
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AIC	AMPERES INTERRUPT CAPACITY
AS	AMP SWITCH RATING
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FACP	FIRE ALARM CONTROL PANEL
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GFI	GROUND FAULT CKT INTERRUPTER
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NL	NIGHT LIGHT
P	POLE
(R)	RELOCATE(D)
TBR	TO BE REMOVED
TYP	TYPICAL
UC	UNDERCABINET
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT AMPERES
W	WATT, WIRE
WP	WEATHERPROOF (NEMA 3R)

GENERAL NOTES

1. 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: (a) California Code of Regulations Title 24; includes National Electrical Code, Uniform Fire Code, Uniform Building Code, etc. with California and other local amendments as applicable. (b) Americans with Disabilities Act (ADA)
2. 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.
3. FUSING: All fusible safety disconnect switches shall be provided with dual-element time delay type fuses sized and rated per equipment manufacturers' recommendations. Verify with equipment nameplate before installation.
4. PULLROPES: Any raceway without cable or wire shall be installed with minimum 200 pound test pull line and larger if required by serving utility company.
5. EXISTING CONDITIONS: Information shown for existing conditions was primarily gained from "as built" drawings and/or limited field investigation. Before bid, visit site to verify existing conditions and make allowance for variations from that shown.
6. EQUIPMENT GROUNDING CONDUCTORS shall be installed in ALL power system raceways.
7. 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 the County and/or this specification. Joint trenching may be utilized where practicable and where permitted by specifications.
8. LOCATIONS OF EXISTING UNDERGROUND (UG) UTILTIY 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 electrical lines or equipment.
9. MAINTAIN REQUIRED CLEARANCES from all sanitary sewer, water and storm drain piping. Refer to Civil Plans for exact locations and depths of piping.
10. ALL ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH CURRENT STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS..

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REGISTERED PROFESSIONAL ENGINEER WILLIAM A. THOMA 10757 ELECTRICAL STATE OF CALIFORNIA
EXP. 06/30/15 REF. #14-8118

SAN MIGUEL GATEWAY AND PEDESTRIAN
GENERAL NOTES, LEGEND AND SCHEDULES
SAN LUIS OBISPO COUNTY, CA.

Designer	Date	Drawn By	Date	Design Engineer	Date
CJ	10/16/14	CJ	10/16/14	CJ	10/16/14

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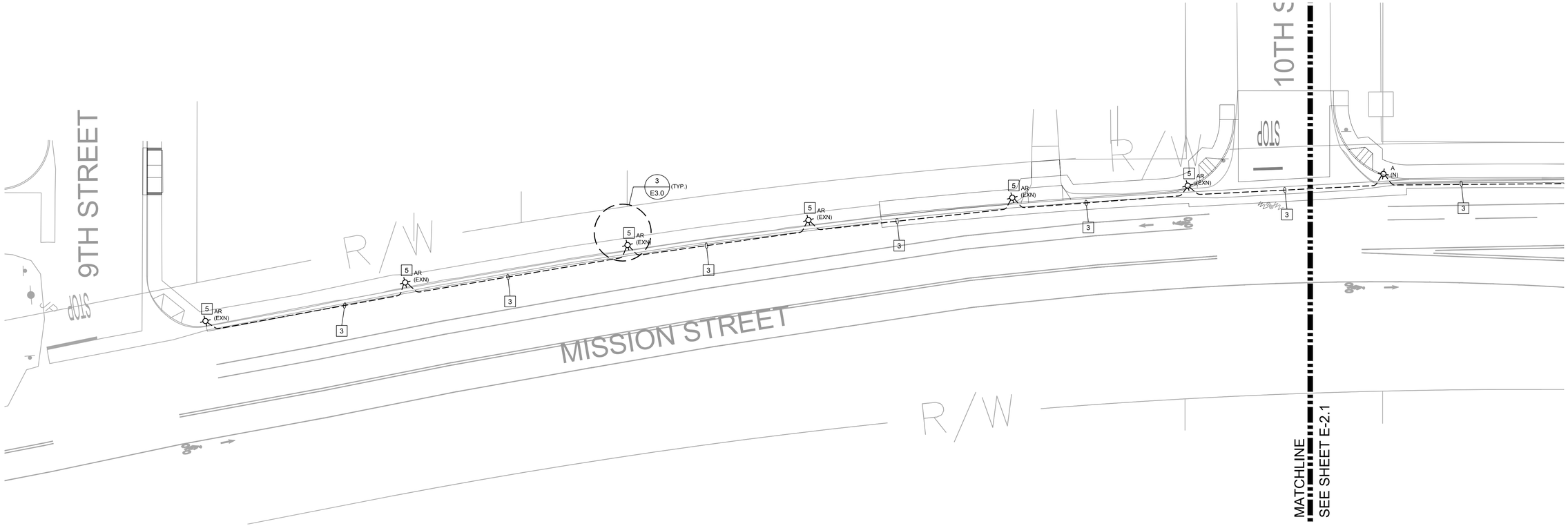
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
6016	300470	E2.0	5



☐ REFERENCE NOTES (APPLICABLE FOR SHEETS E2.0, E2.1 & E2.2)

1. EXISTING METER PEDESTAL. (SEE PANEL SCHEDULE ON SHEET E1.0).
2. INTERCEPT EXISTING 2"C (FIELD LOCATE) AND EXTEND NEW 2"C (PVC 40) TO NEW PULL BOX AT NEW STREET LIGHT.
3. NEW 2"C (PVC 40) WITH NEW (2)#6 THWN CU AND (1)#6 CU GND. TYPICAL BETWEEN PULL BOXES.
4. EXISTING 16' STREET LIGHT POLE TO BE RELOCATED BETWEEN 9TH AND 10TH STREET. (SEE SHEET E2.0 FOR NEW LOCATION). PROVIDE NEW 14' POLE AND LED LUMINAIRE. MOUNT TO EXISTING CONCRETE BASE AND ANCHOR BOLTS.
5. NEW LOCATION OF 16' STREET LIGHT FROM 11TH AND 12TH STREET. PROVIDE NEW CONCRETE BASE AND ANCHOR BOLTS PER DETAIL 1/E3.0. RETROFIT EXISTING LUMINAIRE WITH LED.
6. EXISTING 16' STREET LIGHT TO REMAIN. RETROFIT EXISTING LUMINAIRE WITH LED.

GENERAL SITE PLAN NOTES

- TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE CONTRACTOR'S RESPONSIBILITY. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300-5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY UTILITY COMPANY AND / OR SPECIFICATIONS. JOINT TRENCHING MAY BE UTILIZED WERE PRACTICABLE AND WERE PERMITTED BY SPECIFICATIONS.
- 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.
- SAWCUT AND PATCH ANY EXISTING HARDSCAPE DAMAGED DUE TO TRENCHING. TRENCH STRUCTURAL SECTION IN PAVED AREA SHALL BE IN CONFORMANCE WITH SLO COUNTY STANDARD DRAWINGS R-4.
- FIELD VERIFY EXACT LOCATIONS OF POST LIGHTS / BOXES WITH COUNTY PRIOR TO UNDERGROUNDING AND SETTING BASES.

ELECTRICAL SITE PLAN 9th AND 10th STREET

SCALE: 1" = 20'-0"

NORTH

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EXP. 06/30/15 REF. #14-8118

SAN MIGUEL GATEWAY AND PEDESTRIAN
SITE ELECTRICAL PLAN 9TH TO 10TH STREET
SAN LUIS OBISPO COUNTY, CA.

Designer	Date	Drawn By	Date	Design Engineer	Date
CJ	10/16/14	CJ	10/16/14	CJ	10/16/14

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ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
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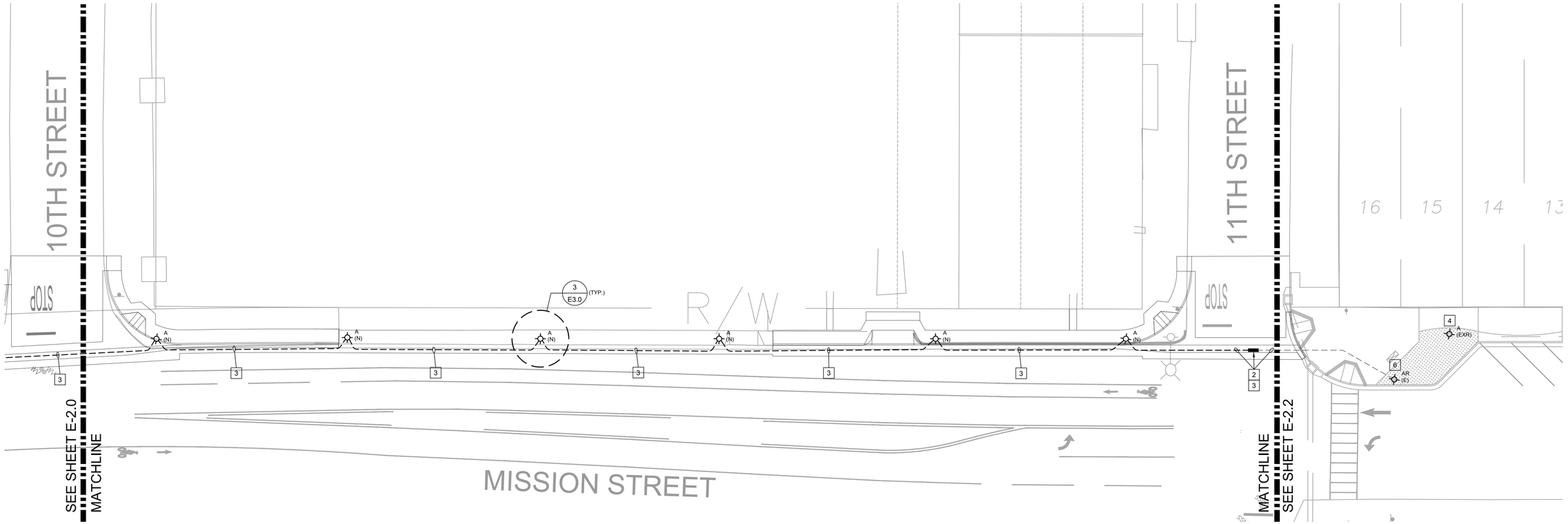

☐ REFERENCE NOTES (APPLICABLE FOR SHEETS E2.0, E2.1 & E2.2)

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ELECTRICAL SITE PLAN 10th AND 11th STREET

SCALE: 1" = 20'-0"

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SAN MIGUEL GATEWAY AND PEDESTRIAN
SITE ELECTRICAL PLAN 10TH–11TH STREET
SAN LUIS OBISPO COUNTY, CA.

Designer	Date	Drawn By	Date	Design Engineer	Date
CJ	10/16/14	CJ	10/16/14	CJ	10/16/14

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ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
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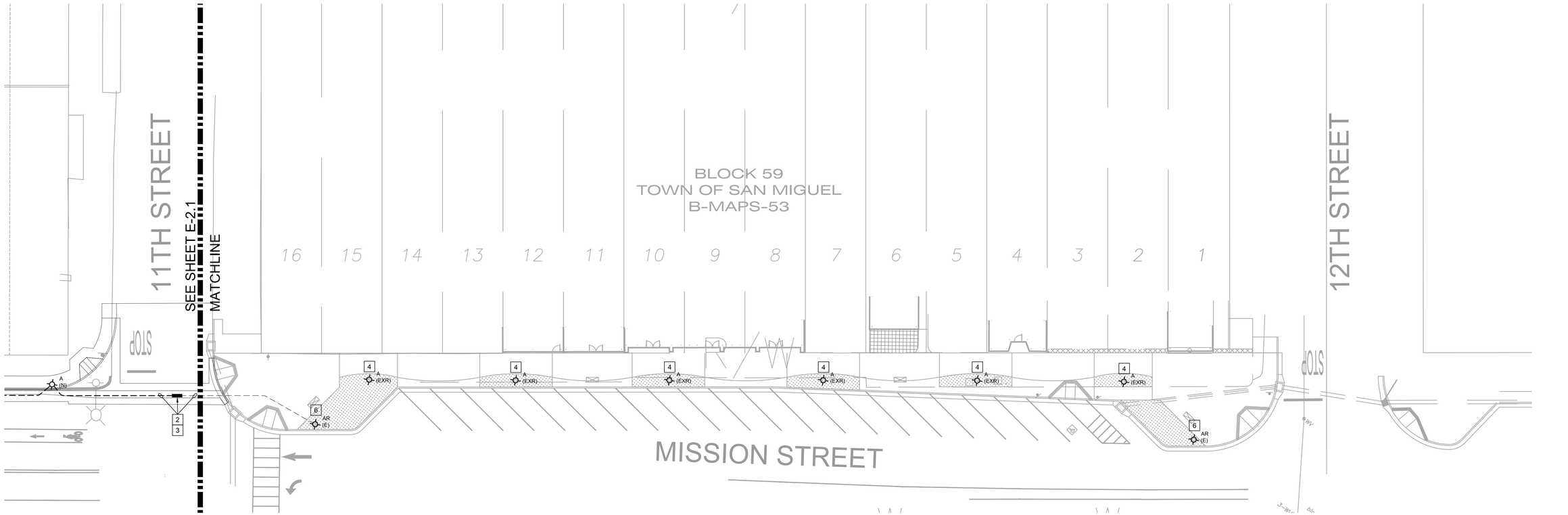

☐ REFERENCE NOTES (APPLICABLE FOR SHEETS E2.0, E2.1 & E2.2)

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NORTH

ELECTRICAL SITE PLAN 11th AND 12th STREET

SCALE: 1" = 20'-0"

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	SAN MIGUEL GATEWAY AND PEDESTRIAN					
	SITE ELECTRICAL PLAN 11TH–12TH STREET					
	SAN LUIS OBISPO COUNTY, CA.					
	Designer	Date	Drawn By	Date	Design Engineer	Date
	CJ	10/16/14	CJ	10/16/14	CJ	10/16/14

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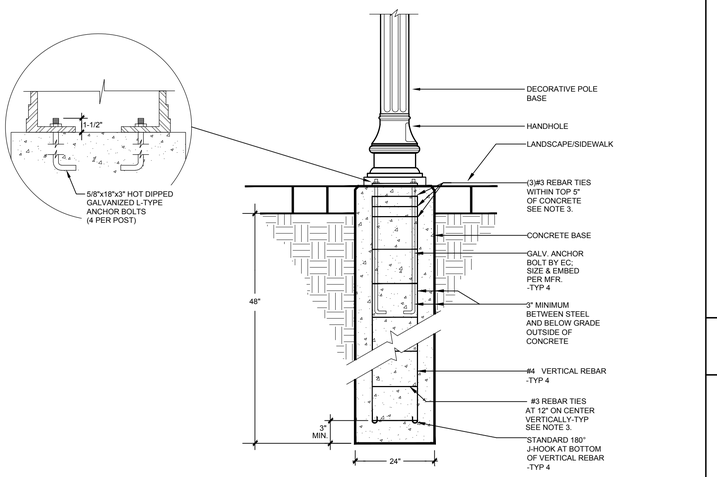
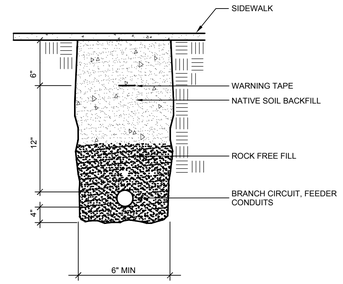


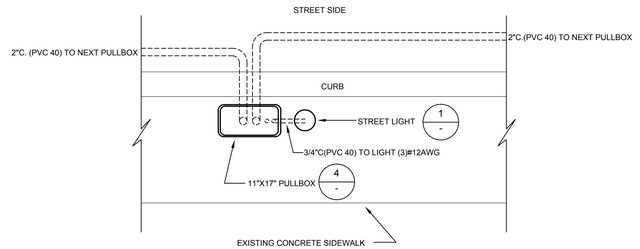
GENERAL NOTES

1. CONDUIT SHALL BE 1-1/2" MINIMUM SIZE AND MINIMUM 24" BELOW FINISH GRADE
2. TIES SHALL HAVE AT EACH END A 135 DEGREE HOOK BEND WITH A SIX-BAR DIAMETER BUT NOT LESS THAN 3 INCH EXTENSION THAT ENGAGES THE LONGITUDINAL REINFORCEMENT AND PROJECTS INTO THE INTERIOR OF THE STIRRUP OR HOOP.
3. VERIFY BOLT PATTERN AND LAYOUT PRIOR TO INSTALLATION.
4. FOR RELOCATED POST LIGHTS, REFRERENCE NOTE 5 ON SHEET E2.0, PROIVDE NEW ANCHOR BOLT KIT TO MATCH EXISTING.

1 DECORATIVE POST LIGHT MOUNTING DETAIL
SCALE: NTS

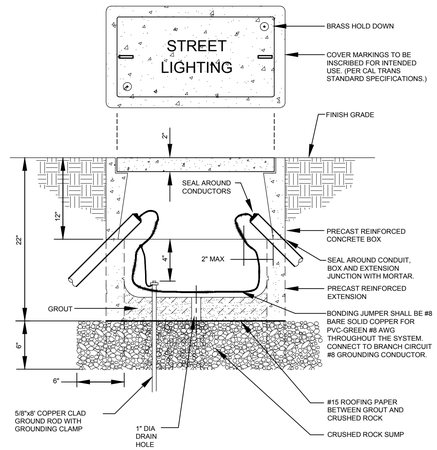


2 TYPICAL FEEDER/BRANCH CIRCUIT CONDUIT TRENCH DETAIL
SCALE: NTS



NOTE:
PROVIDE 3M SKOTCHLOCK ENCAPSULATED SPLICE AS REQUIRED TO CONDUCTORS TO SMALLER SIZE AND TERMINATE INTO DEVICES

3 TYPICAL PULL BOX AT STREET LIGHT
SCALE: NTS



GENERAL NOTES

1. PULLBOXES SHALL BE PER CAL TRANS STANDARD SPECIFICATIONS.
2. PULLBOXES SHALL BE GROUTED PRIOR TO INSTALLATION OF CONDUCTORS, SLOPED TOWARD THE DRAIN HOLE. PLACE A LAYER OF ROOFING PAPER BETWEEN THE CRUSHED ROCK AND THE GROUT.
3. PULL LIDS BEFORE POURING CONCRETE AROUND PULLBOXES.
4. WRAP PULLBOX WITH ROOFING PAPER BEFORE BACKFILLING.

4 CONCRETE PULLBOX DETAIL
SCALE: NTS

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	SAN MIGUEL GATEWAY AND PEDESTRIAN					
	ELECTRICAL DETAILS					
	SAN LUIS OBISPO COUNTY, CA.					
	Designer	Date	Drawn By	Date	Design Engineer	Date
	CJ	10/16/14	CJ	10/16/14	CJ	10/16/14

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