ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	1	12

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

APPROVED: FEBRUARY 24 ,20 15

DIRECTOR OF PUBLIC WORKS

PLANS FOR THE CONSTRUCTION OF RIVER ROAD WIDENING PROJECT SAN MIGUEL, CA.

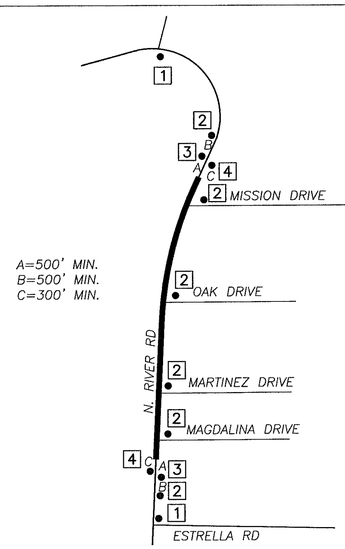
CONTRACT NO. 300489

FEDERAL AID PROJECT NO.: HSIPL-5949(149)

To Be Supplemented By State Standard Plans Dated May 2006.

INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET
SHEET NO.	2	RIGHT-OF-WAY AND SURVEY CONTROL
SHEET NO.	3	TYPICAL CROSS SECTIONS
SHEET NO.	4	PLAN AND PROFILE STA. 10+00 TO 19+25
SHEET NO.	5	PLAN AND PROFILE STA. 19+25 TO 27+50
SHEET NO.	6	PLAN AND PROFILE STA. 27+50 TO 33+50
SHEET NO.	7	PLAN AND PROFILE STA. 33+50 TO 41+00
SHEET NO.	8	ROAD SIGNAGE AND STRIPING PLAN
SHEET NO.	9	COMPOSITE UTILITY PLAN
SHEET NO.	10	DRIVEWAY / ROAD INTERSECTION PROFILES
SHEET NO.	11	SAG AREA DETAIL
SHEET NO.	12	SHEET PILE WALL DETAIL



LEGEND:

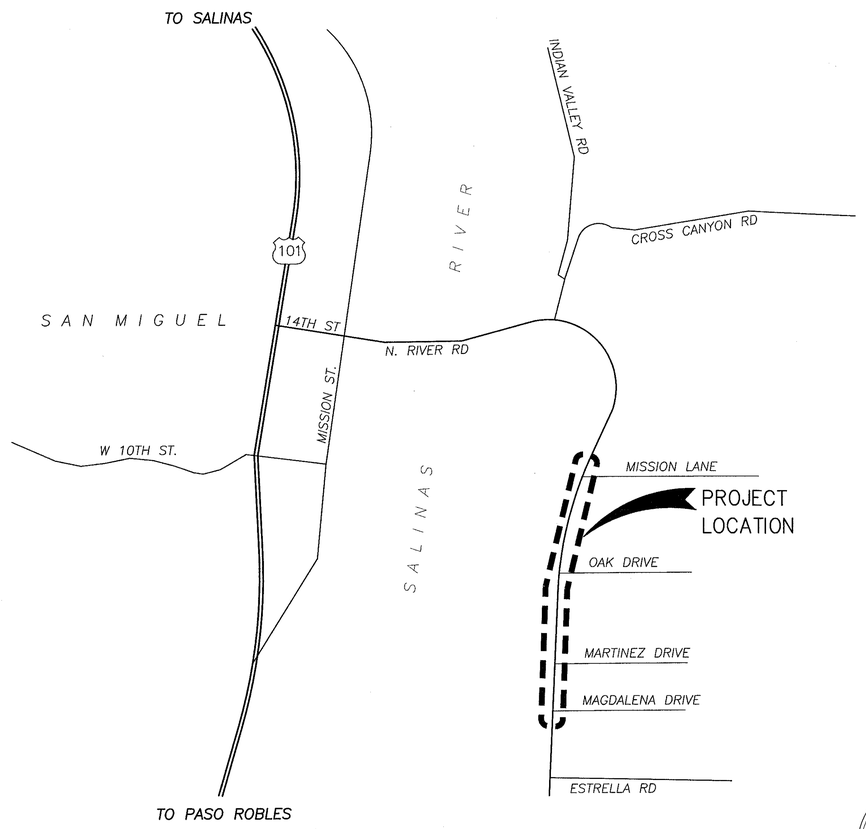
No.	Type	Size	Message	Quantity
1	PCMS		AS DIRECTED BY ENGINEER	2
2	W20-1	48"X48"	"ROAD WORK AHEAD" w/ 12" DIA. FLASHING BEACON	6
3	W3-5A	48"x18"	"35 MPH SPEED ZONE AHEAD"	2
4	G20-2	48"x18"	"END ROAD WORK"	2

NOTES:

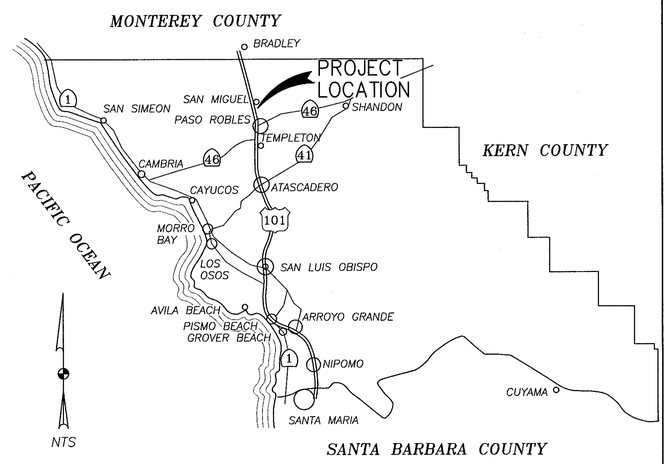
All Signs Shall Be Stationary Mounted on 4x4 Wood Posts, Unless Noted Otherwise or as directed by the Engineer.

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



LOCATION MAP

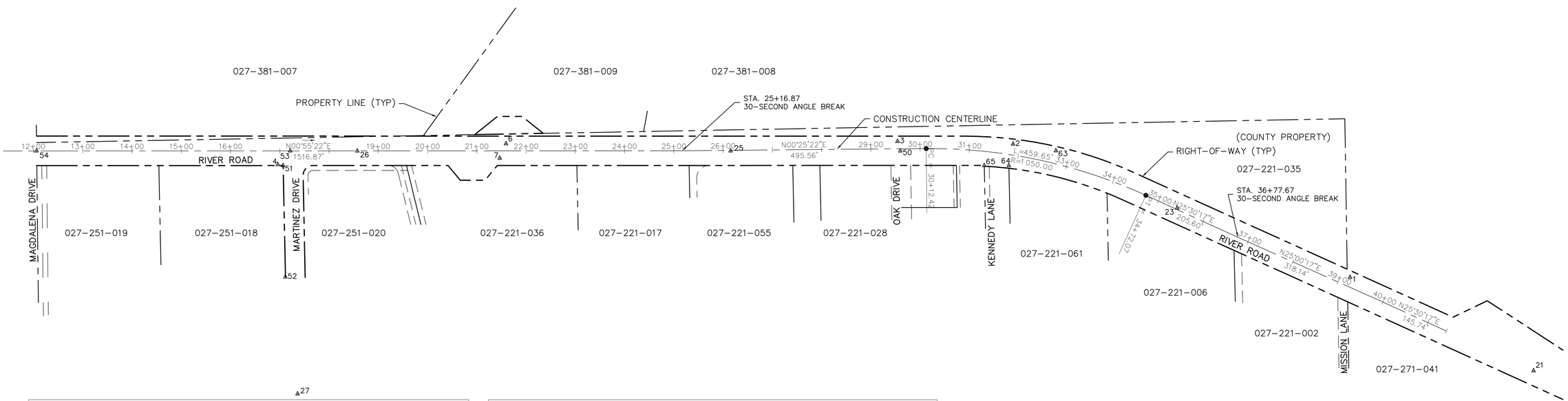


VICINITY MAP

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

RIVER ROAD WIDENING PROJECT					
TITLE SHEET					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	2	12



CONTROL POINT TABLE

POINT No.	STATION	OFFSET	ELEVATION	DESCRIPTION	NORTHING	EASTING
1	39+18.60	−18.88	693.15	SETRBAR4CP1	13041.8700	16846.2274
2	31+86.10	−22.29	686.44	SETRBAR4CP2	12362.2300	16564.3257
3	29+54.34	−15.12	682.36	SETRBAR4CP3	12127.6500	16555.1318
4	16+96.06	27.66	674.63	SETRBAR4CP4	10868.9300	16581.4504
5	–	–	620.20	SETSPK4CP5	14971.4300	15108.8927
6	21+59.47	−14.56	659.04	SMNT4CP6	11332.9600	16546.7041
7	21+46.77	14.91	659.20	SMNT4CP7	11319.7900	16575.9610
9	–	–	684.22	SETSPK4CP9	13388.0900	17014.1515
18	–	–	620.03	FDBC4ECONWESTSID	15017.5500	15190.8300
19	–	–	642.21	FDBCSTA2873.38ON	15352.1000	16173.5645
21	–	–	682.70	SETAT1	13411.3300	17042.2262
23	35+40.79	−2.73	691.18	SETAT3	12693.1800	16700.0908
25	26+15.49	1.00	676.56	SETAT5	11788.6900	16568.7412
26	18+57.54	0.05	666.25	SETAT6	11030.8400	16556.4432
27	17+36.16	493.70	680.48	SETAT8	10901.5200	17048.0822
28	–	–	674.92	SETAT7	9973.2400	16538.0716

POINT TABLE FOR FOUND MONUMENTS

POINT No.	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	
50	29+60.02	4.22	FD5/8RB NO CAP	12133.1900	16574.5100	*
51	17+06.78	29.93	FD1INIPLS6631	10879.6100	16583.8900	
52	17+11.39	256.20	FD1INIPLS6631	10880.5700	16810.2100	
53	17+21.24	−0.06	FDBCLS5693	10894.5500	16554.1400	* *
54	12+06.32	−0.28	FD0.75IP	10379.7100	16545.6200	*
57	34+30.64	27.27	FD2INIPANDNAIL	12581.4900	16680.9200	
61	30+89.94	−27.38	FD2INIPBENT	12265.2600	16546.8200	
63	32+72.10	−26.13	FD.5RB	12449.0000	16579.2300	*
64	31+84.32	22.18	FDPCAPLS8769	12352.8700	16607.8400	* * *
65	31+33.61	28.74	FDPCAPLS8769	12302.9600	16607.0800	* * *
N/A	30+12.42	0	N/A	12185.6200	16570.6800	●
N/A	34+72.07	0	N/A	12629.9900	16672.9700	●

* ADJUST AND INSTALL MONUMENT WELL BOX PER COUNTY STANDARD M-1

**ADJUST EXISTING MONUMENT WELL BOX TO FINISHED GRADE

***RE-SET SURVEY MARKER IF DESTROYED BY CONSTRUCTION

● INSTALL MONUMENT WELL BOX PER COUNTY STANDARD M-1

BASIS OF BEARINGS

BEING THE CENTERLINE OF THE "R" LINE BETWEEN FOUND SURVEY MONUMENTS AT STATIONS 18+37.97 AND 28+76.21 AS SHOWN ON COUNTY DOCUMENT NO. :44088 ON FILE IN THE COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS, HAVING A BEARING OF N71°12'000"E.

BENCHMARK

BEING THE FOUND NAIL IN TOP CONCRETE STEP 21.10' RT OF "R" LINE STATION 15+45.87 AS SHOWN ON COUNTY DOCUMENT NO.: 44088 ON FILE IN THE COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS, HAVING AN ELEVATION OF 620.23'

REFERENCES

R1 RIVER ROAD RECORD DRAWINGS, DATED 6-5-06, PW'S DOC. NO. 44088
R2 RIVER ROAD CONST. PLANS, APPROVED 1-24-1949, PW'S DOC. NO. 7220
R3 41 LS 57
R4 104 LS 78
R5 CORNER RECORD IN PROGRESS BY M. DAKOS PLS 8769
R6 90 LS 92

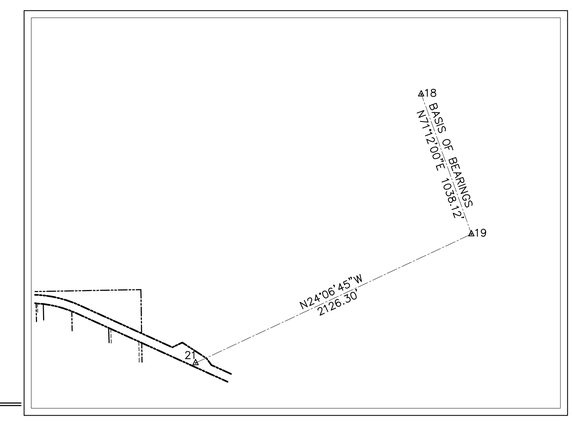
SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT ON OCTOBER 2, 2014.

Joseph T. Morris

JOSEPH T. MORRIS P.L.S. 6192

1. *THE FIELD WORK OCCURRED BETWEEN APRIL AND OCTOBER, 2013.*
2. *UNDERGROUND UTILITY LINE LOCATIONS WERE BASED UPON SURFACE STRUCTURES, POT HOLES, PAINT MARKS, RECORD INFORMATION, AND ARE APPROXIMATE ONLY.*

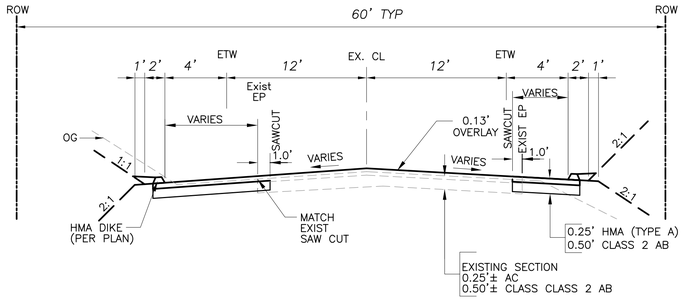


LICENSED LAND SURVEYOR
JOSEPH THOMAS MORRIS
NO. 6192
STATE OF CALIFORNIA

0 100' 200'
1 INCH = 100'

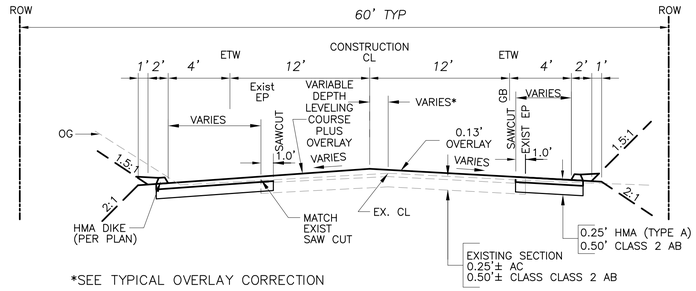
RIVER ROAD WIDENING PROJECT					
RIGHT-OF-WAY AND SURVEY CONTROL					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	3	12



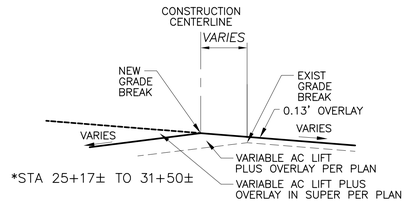
TYPICAL SECTION – RIVER ROAD

*STA 11+20± TO 17+65± N.T.S.



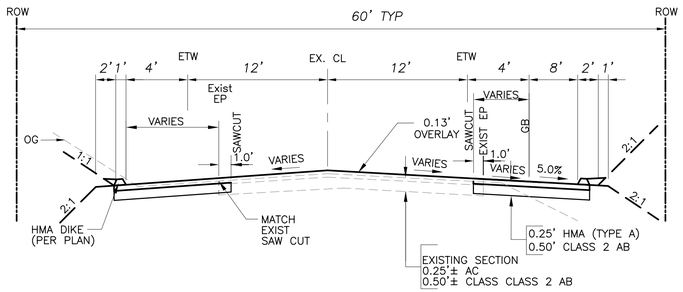
TYPICAL SECTION – RIVER ROAD

*STA 25+17± TO 29+24± N.T.S.



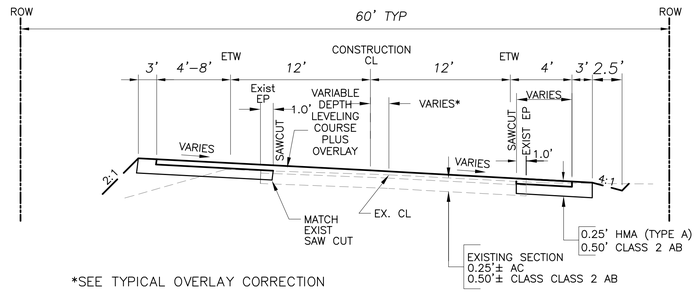
TYPICAL OVERLAY CORRECTION

N.T.S.



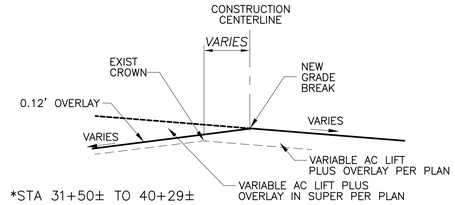
TYPICAL SECTION – RIVER ROAD

*STA 17+65± TO 19+32± N.T.S.



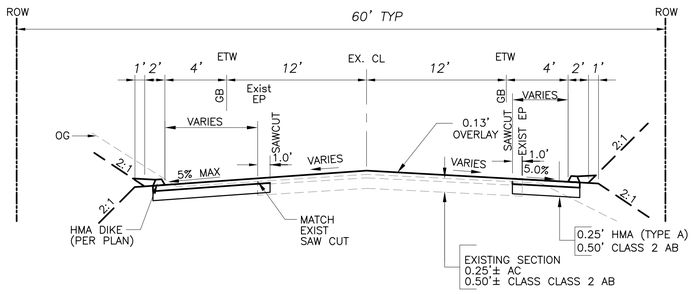
TYPICAL SECTION – RIVER ROAD

*STA 29+24± TO 31+50± N.T.S.



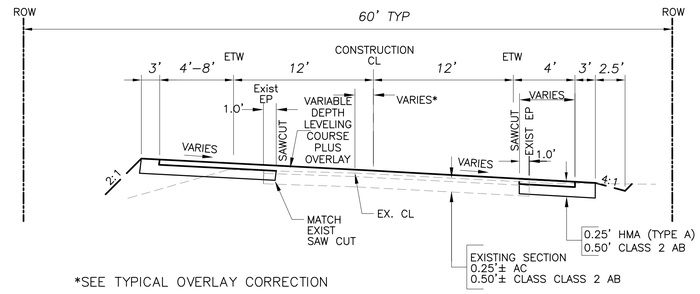
TYPICAL OVERLAY CORRECTION

N.T.S.



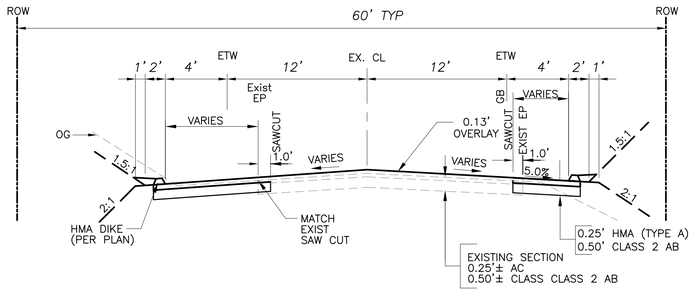
TYPICAL SECTION – RIVER ROAD

*STA 19+32± TO 23+10± N.T.S.



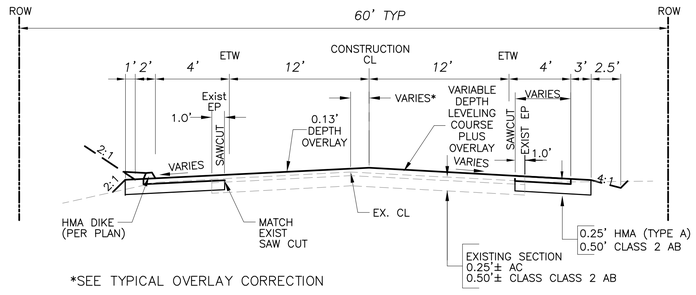
TYPICAL SECTION – RIVER ROAD

*STA 31+50± TO 35+75± N.T.S.



TYPICAL SECTION – RIVER ROAD

*STA 23+10± TO 25+17± N.T.S.



TYPICAL SECTION – RIVER ROAD

*STA 35+75± TO 40+29± N.T.S.

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR LOCATIONS OF MBGR AND DIKE, SEE LAYOUTS.
4. FOR LOCATIONS OF COLD PLANE AC PAVEMENT SEE PLAN AND PROFILES.

DESIGN DESIGNATION (RIVER ROAD)

2011 ADT = 1,912
BO ADT = 2,785

T = 5%
V = 50
TI = 8
R VALUE = 65

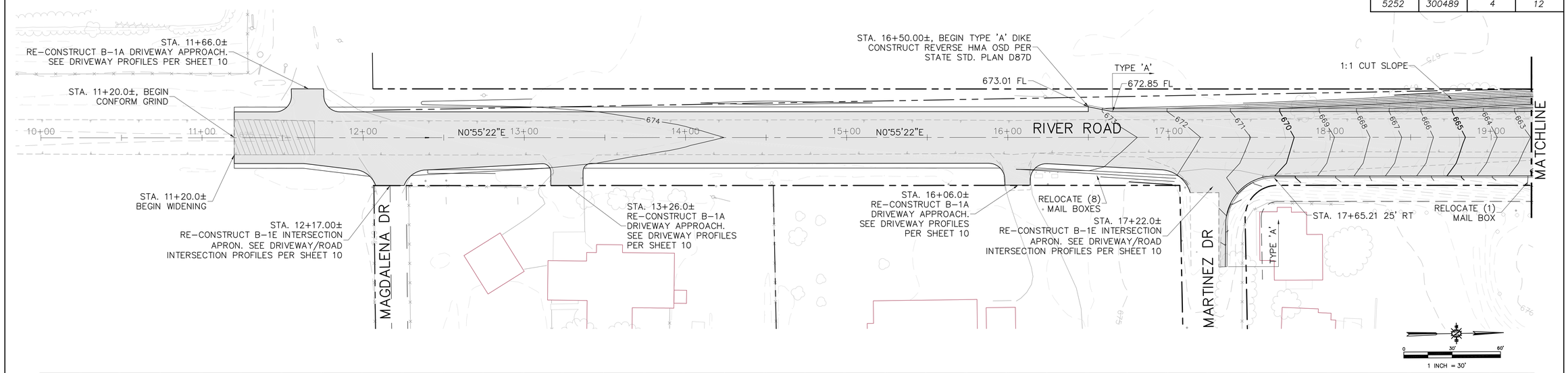
ABBREVIATIONS:

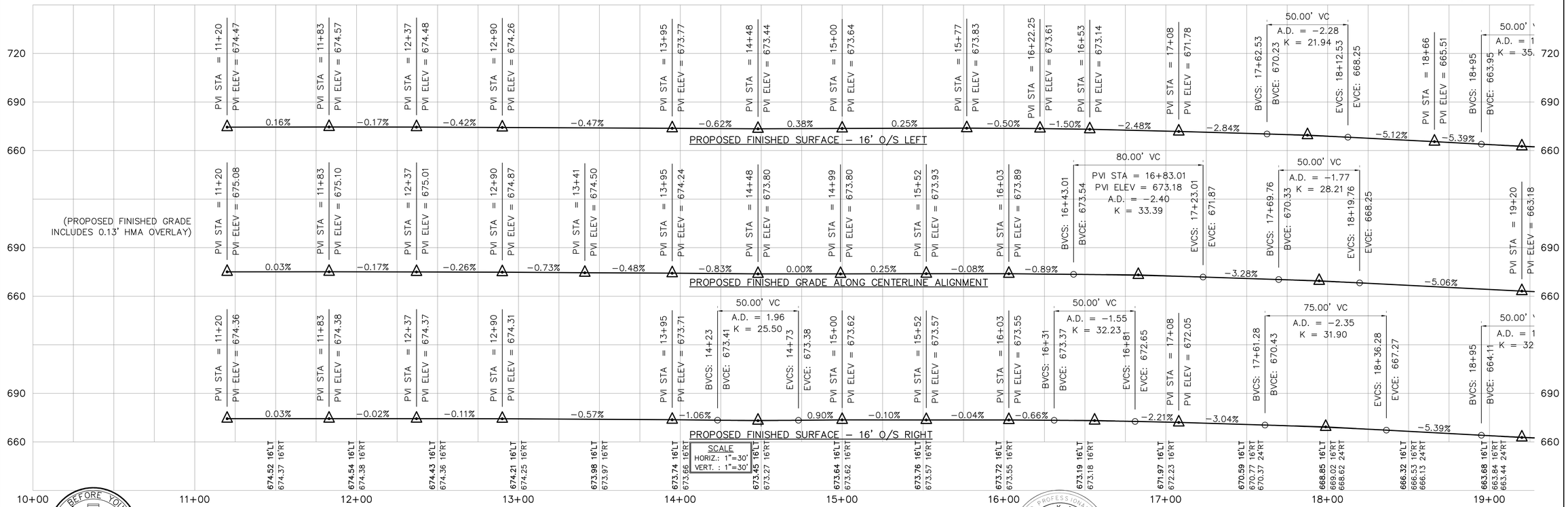
AC	ASPHALT CONCRETE
AB	AGGREGATE BASE
ADT	AVERAGE DAILY TRIPS
BC	BEGIN CURVE
BVC	BEGIN VERTICAL CURVE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
EC	END CURVE
EVC	END VERTICAL CURVE
EP	EDGE OF PAVEMENT
EX	EXISTING
FO	FIBER OPTIC
GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHALENE PIPE
HMA	HOT MIX ASPHALT
INV	INVERT
LT	LEFT
NB	NORTH BOUND
NTS	NOT TO SCALE
OSD	OVERSIDE DRAIN
OS	OFFSET
PL	PROPERTY LINE
ROW	RIGHT–OF–WAY
RT	RIGHT
SB	SOUTHBOUND
STA	STATION
STD	STANDARD
TI	TRAFFIC INDEX
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL

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

RIVER ROAD WIDENING PROJECT					
TYPICAL CROSS SECTIONS					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	4	12





CALL BEFORE YOU DIG
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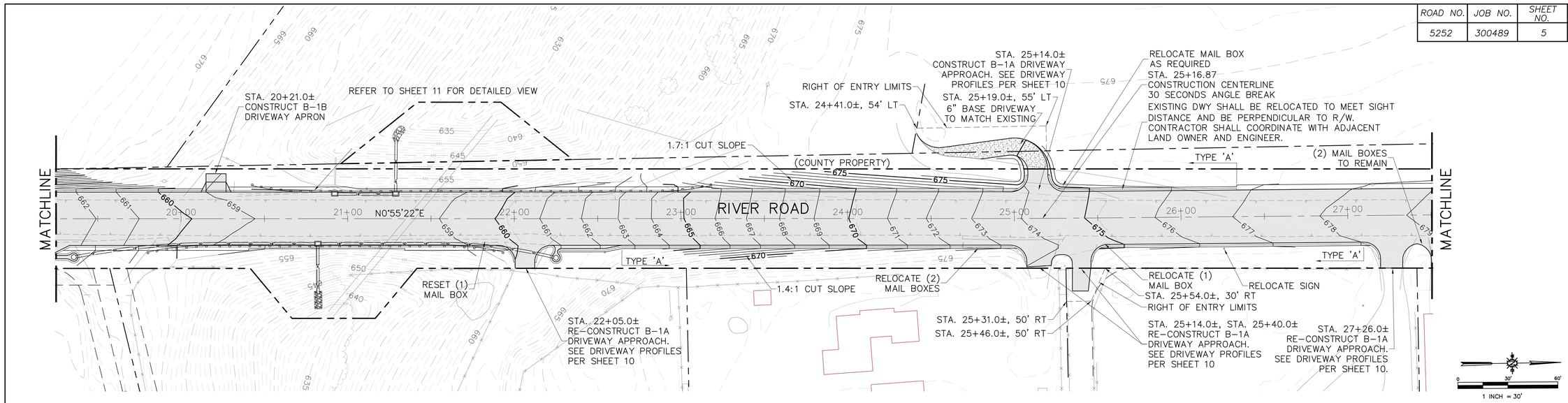
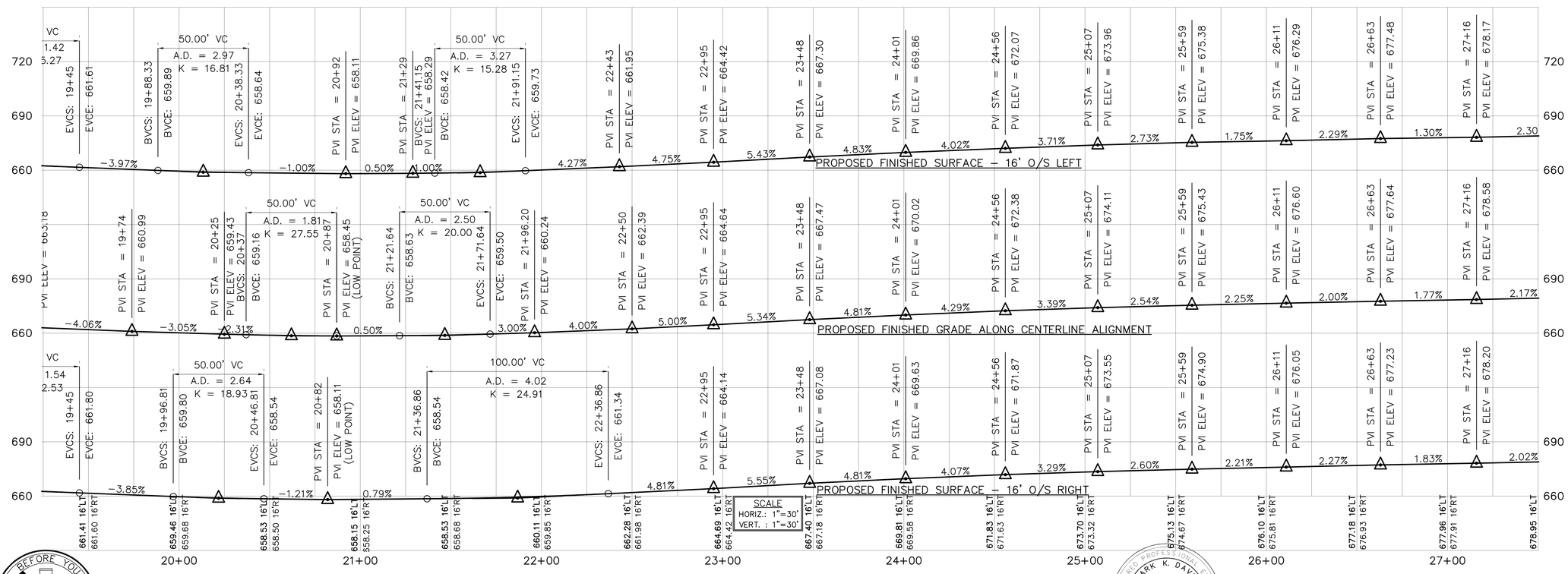
REGISTERED PROFESSIONAL ENGINEER
MARK K. DAVIS
PE. NO. 63477
CIVIL
STATE OF CALIFORNIA

RIVER ROAD WIDENING PROJECT					
PLAN AND PROFILE					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	5	12





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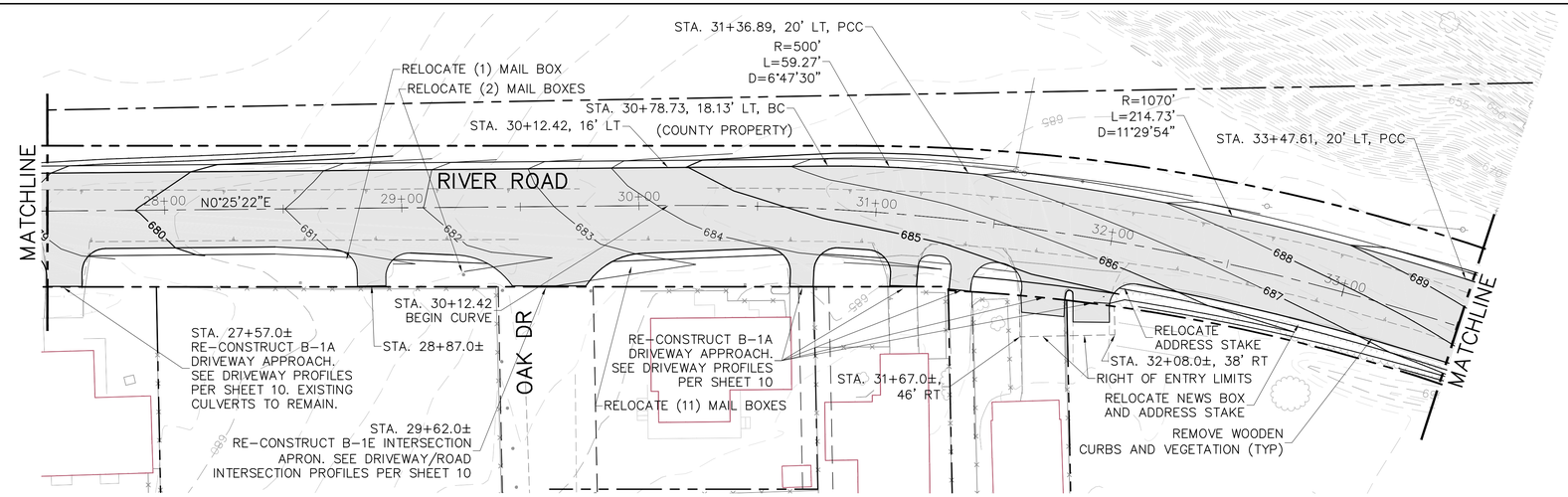
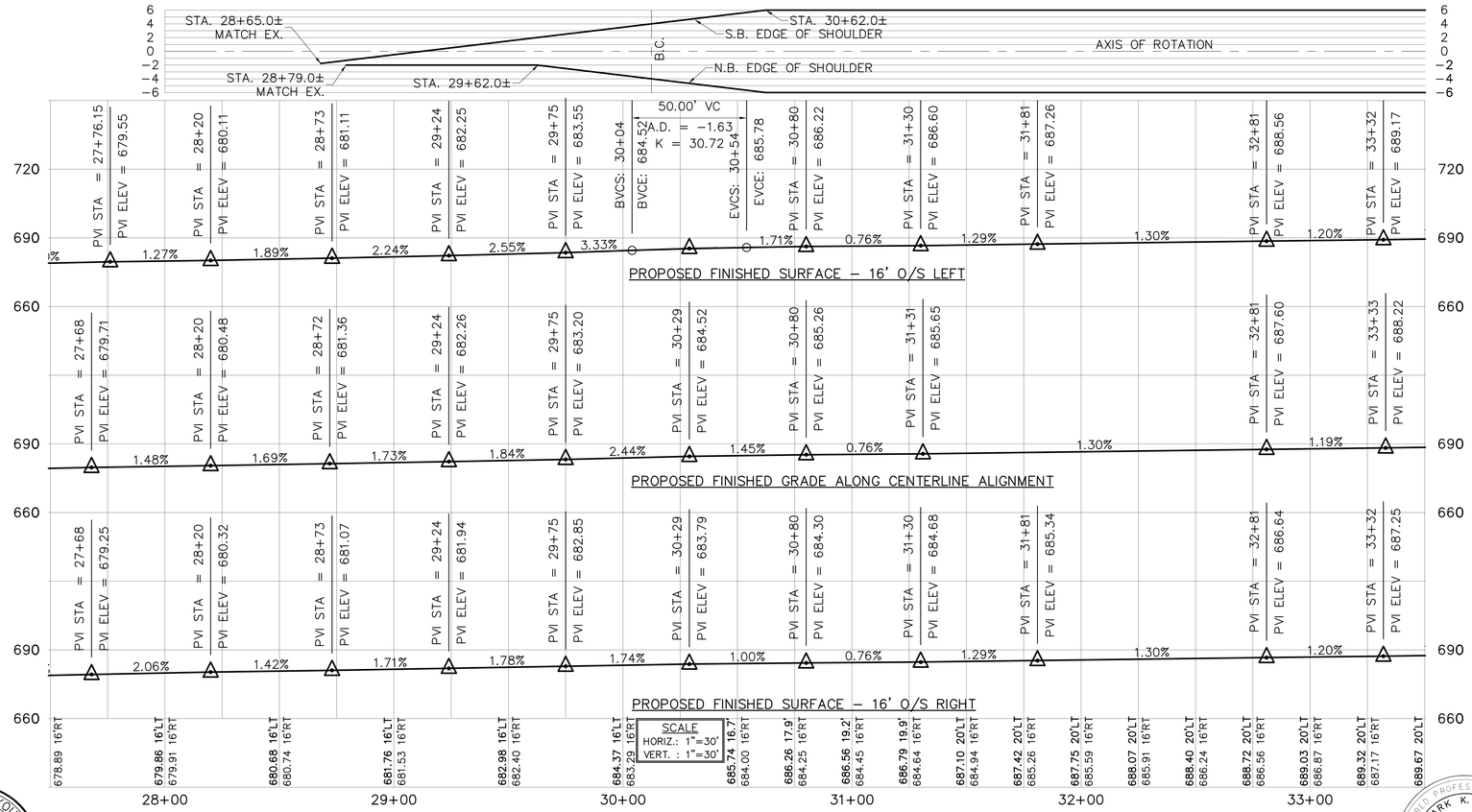
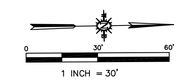
CIVIL
STATE OF CALIFORNIA

RIVER ROAD WIDENING PROJECT					
PLAN AND PROFILE					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	6	12







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STATE OF CALIFORNIA

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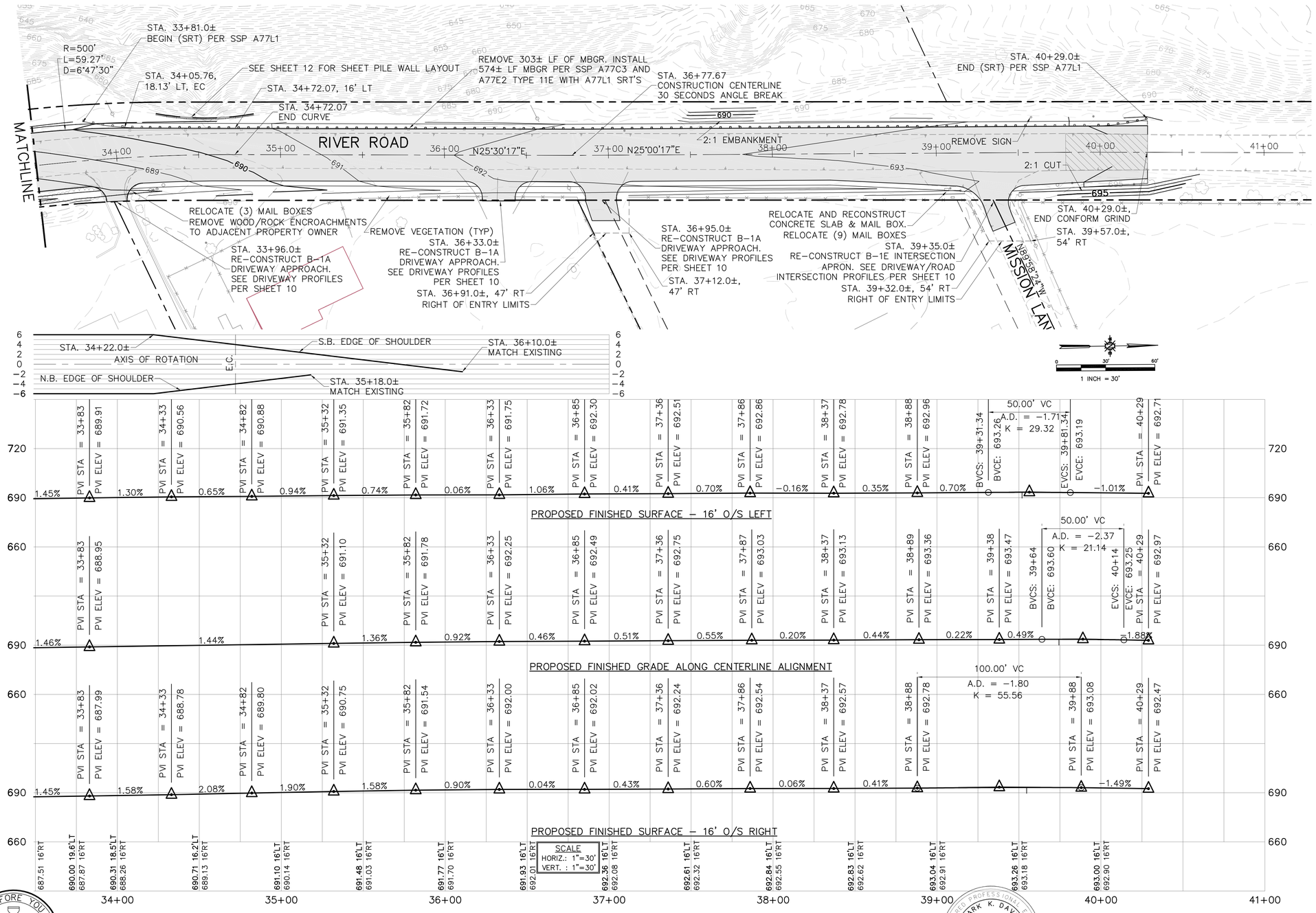
PLAN AND PROFILE					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	7	12



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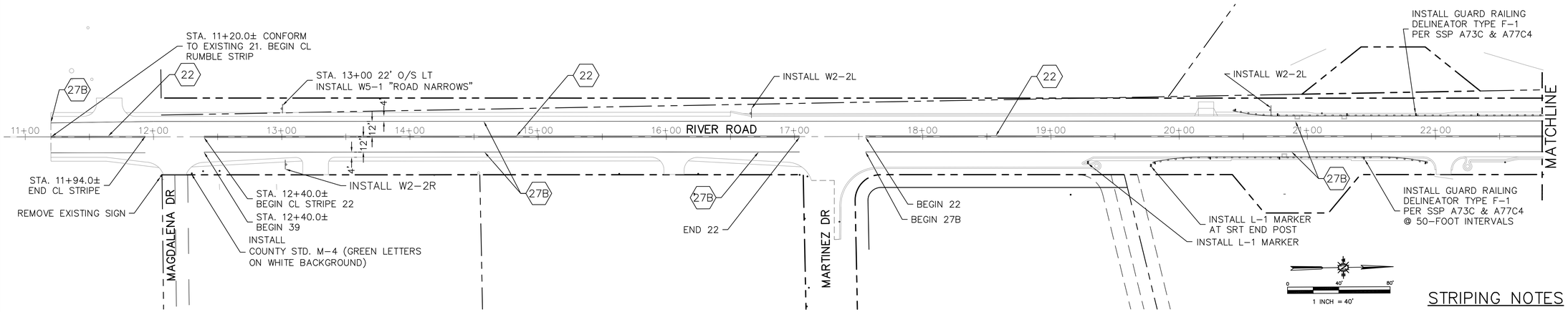
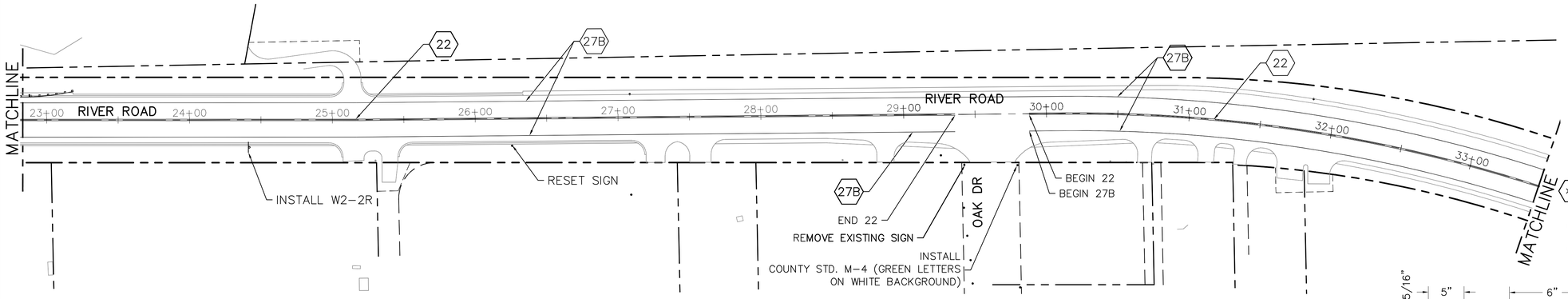
RIVER ROAD WIDENING PROJECT					
PLAN AND PROFILE					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	8	12





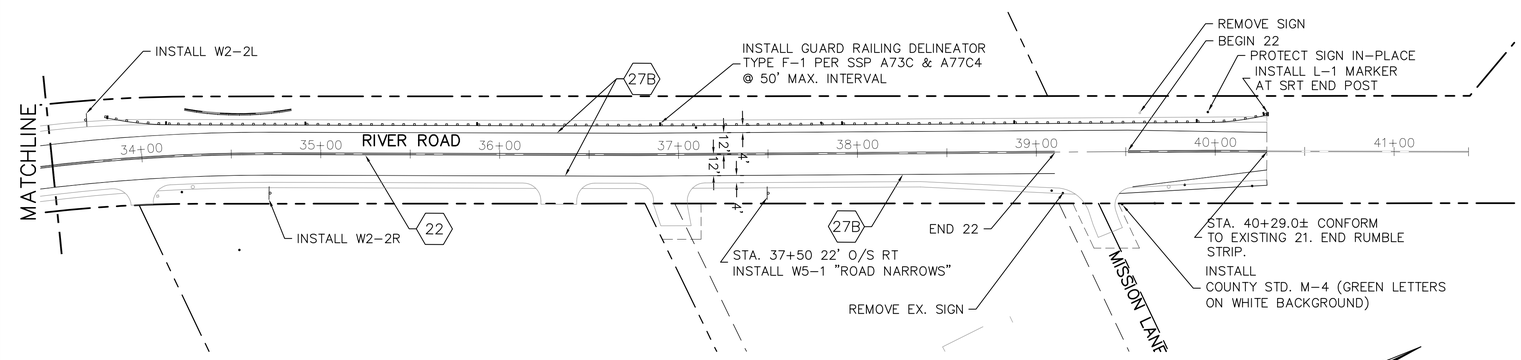
STRIPING NOTES

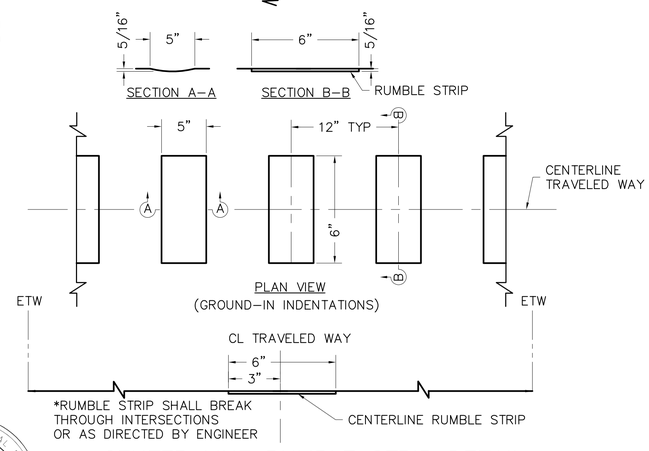
1. REMOVE EXISTING DETAIL 21 WITHIN PROJECT LIMITS PER SECTION 15 "MISCELLANEOUS HIGHWAY FACILITIES" OF THE STATE STANDARD SPECIFICATIONS.
2. ADD CENTERLINE RUMBLE STRIP OVER JOB LIMITS EXCEPT THROUGH INTERSECTION BREAKS OR AS DIRECTED BY THE ENGINEER. SEE DETAIL BELOW.
3. REMOVE EXISTING DELINEATORS
4. ALL NEW TRAFFIC LINES SHALL BE (2-COAT) PAINT.
5. ALL SIGNS AND MARKERS SHALL BE REMOVED AND BECOME RESPONSIBILITY OF THE CONTRACTOR.

xx PAVEMENT DELINEATION DETAIL NUMBER PER STATE STANDARD PLANS, MAY 2006.

GUARD RAIL DELINEATOR TYPE F-1

L-1 OBJECT MARKER





CENTER LINE RUMBLE STRIP DETAIL

N.T.S.

REGISTERED PROFESSIONAL ENGINEER
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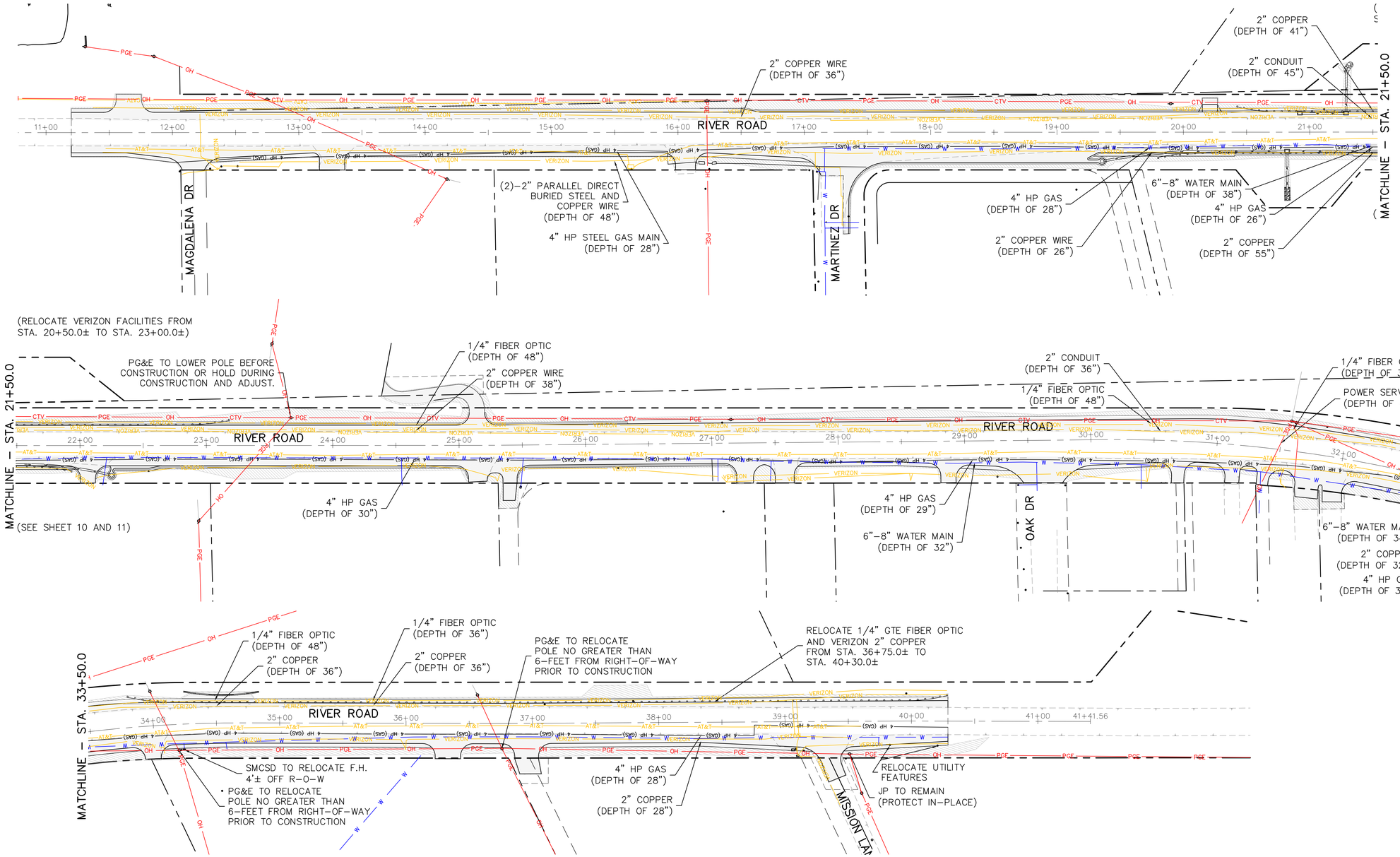
PE. NO. 63477
CIVIL
STATE OF CALIFORNIA

RIVER ROAD WIDENING PROJECT					
ROAD SIGNAGE AND STRIPING PLAN					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

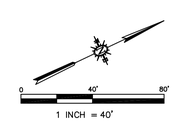
ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	9	12



LEGEND

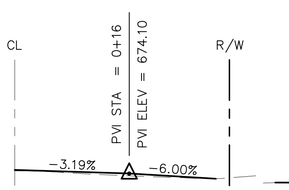
DENOTES LIMITS OF PROPOSED ROAD EXCAVATION FOR ROAD WIDENING WITH DISTURBED DEPTHS OF 24-INCHES MINIMUM. IT SHALL BE THE RESPONSIBILITY OF THE UTILITY PURVEYOR OWNING ANY FACILITIES WITHIN THESE LIMITS TO EITHER LOWER SAID FACILITIES, RELOCATE FACILITIES OUTSIDE SHOWN LIMITS, OR PROTECT IN-PLACE PRIOR TO CONSTRUCTION. (SURFACE FACILTIES SHALL MANTAIN A 10-FOOT SETBACK FROM PROPOSED EDGE OF TRAVELED WAY)

DENOTES LIMITS OF PROPOSED CUT AND FILL SLOPES ASSOCIATED WITH ROAD EXCAVATION AND ROAD WIDENING. IT SHALL BE THE RESPONSIBILITY OF THE UTILITY PURVEYOR OWNING ANY FACILITIES WITHIN THESE LIMITS TO EITHER LOWER SAID FACILITIES, RELOCATE FACILITIES OUTSIDE SHOWN LIMITS, OR PROTECT IN-PLACE PRIOR TO CONSTRUCTION. (SURFACE FACILTIES SHALL MANTAIN A 10-FOOT SETBACK FROM PROPOSED EDGE OF TRAVELED WAY)

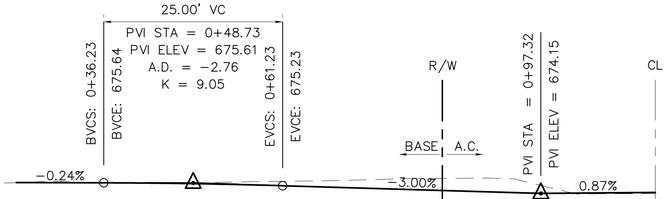


RIVER ROAD WIDENING PROJECT					
COMPOSITE UTILITY PLAN					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

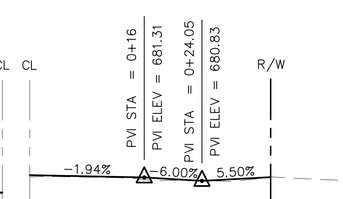
ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	10	12



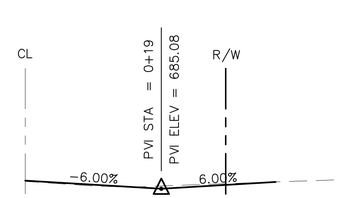
STA. 13+26.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



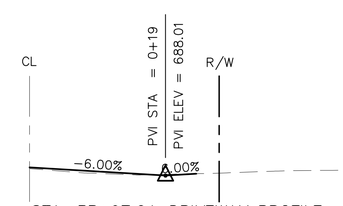
STA. 25+14.0± DRIVEWAY PROFILE LT
SCALE: 1"=10' VERT/HORZ



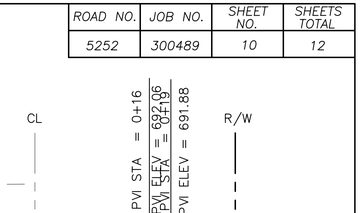
STA. 28+87.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



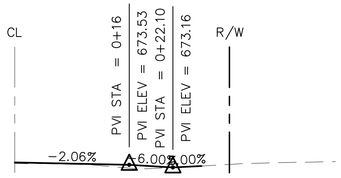
STA. 31+75.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



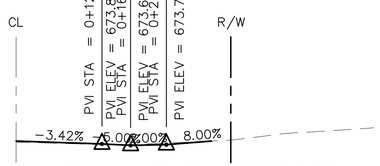
STA. 33+97.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



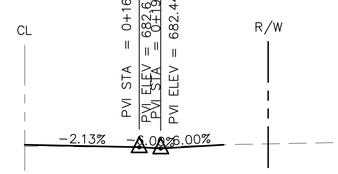
STA. 36+95.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



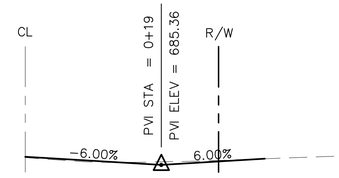
STA. 16+06.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



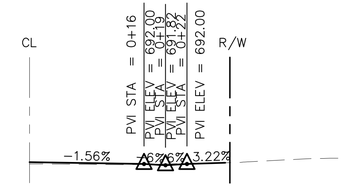
STA. 25+14.0± DRIVEWAY PROFILE RT
SCALE: 1"=10' VERT/HORZ



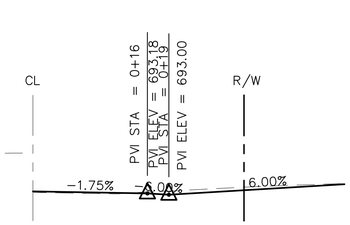
STA. 29+62.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



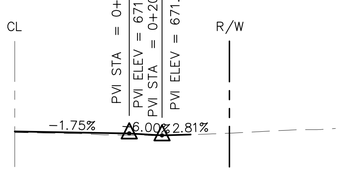
STA. 31+96.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



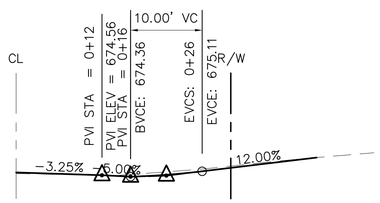
STA. 36+33.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



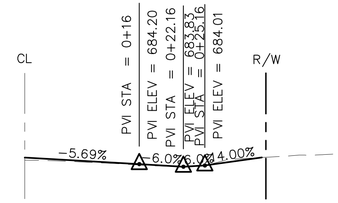
STA. 39+35.0± MISSION LANE PROFIL
SCALE: 1"=10' VERT/HORZ



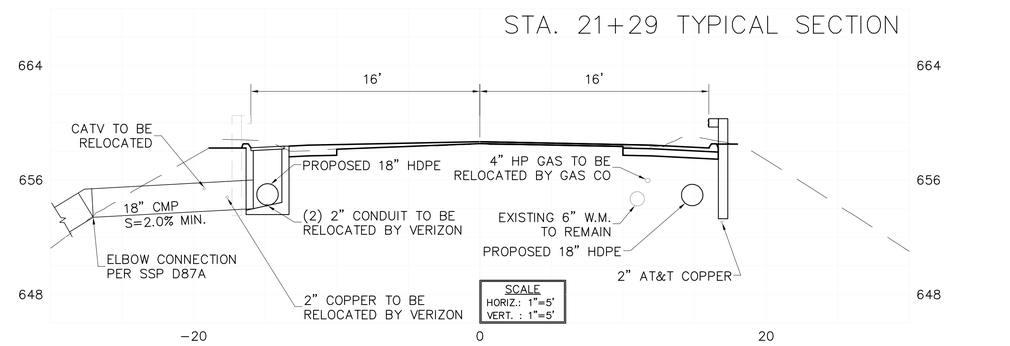
STA. 17+22.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



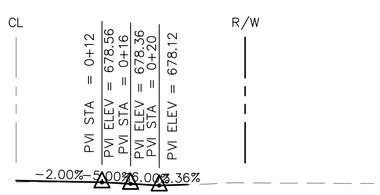
STA. 25+40.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



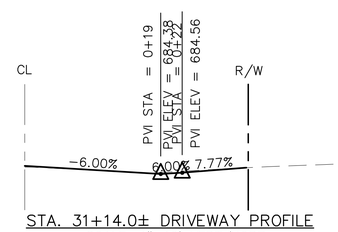
STA. 30+70.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



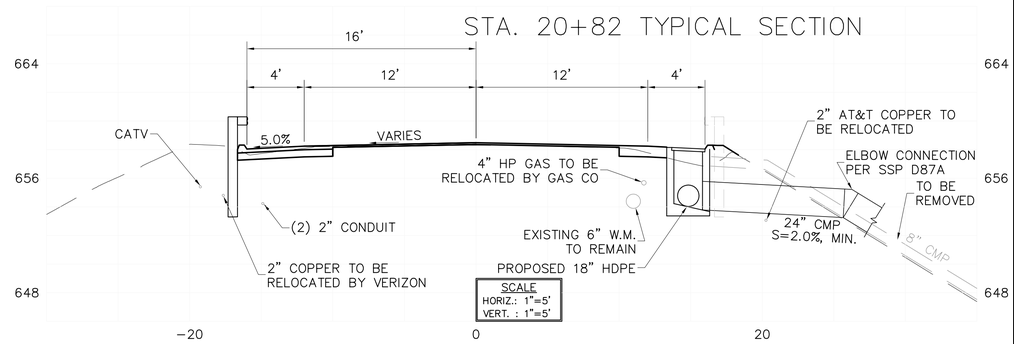
STA. 19+58.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ

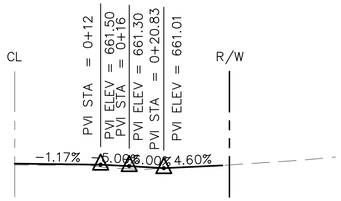


STA. 27+26.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ

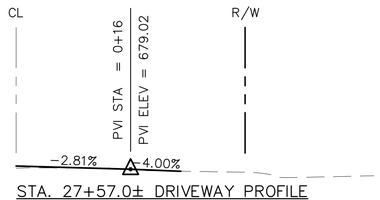


STA. 31+14.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ

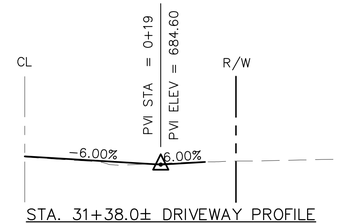




STA. 22+05.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ



STA. 27+57.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ

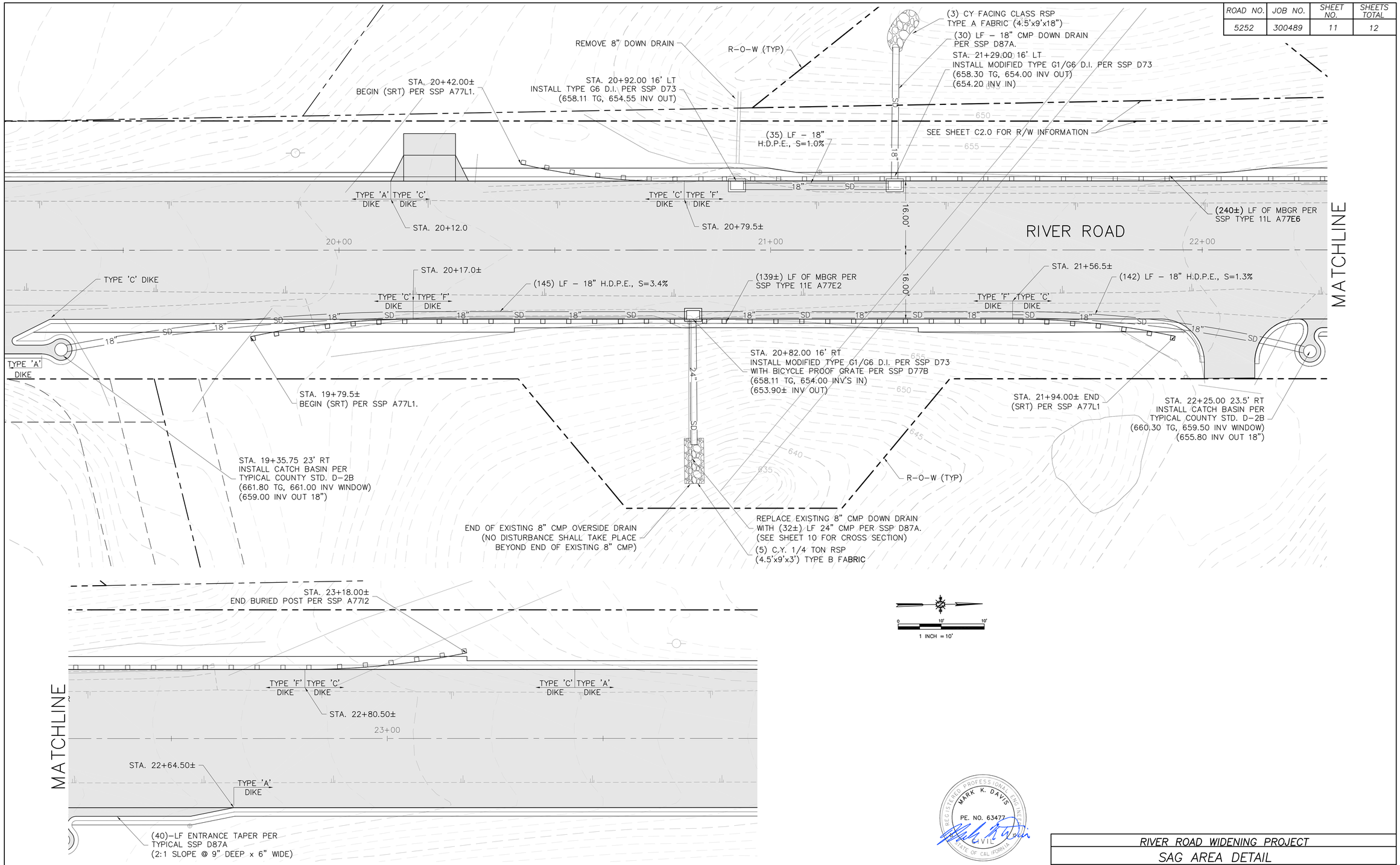


STA. 31+38.0± DRIVEWAY PROFILE
SCALE: 1"=10' VERT/HORZ

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

RIVER ROAD WIDENING PROJECT					
DRIVEWAY / ROAD INTERSECTION PROFILES					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

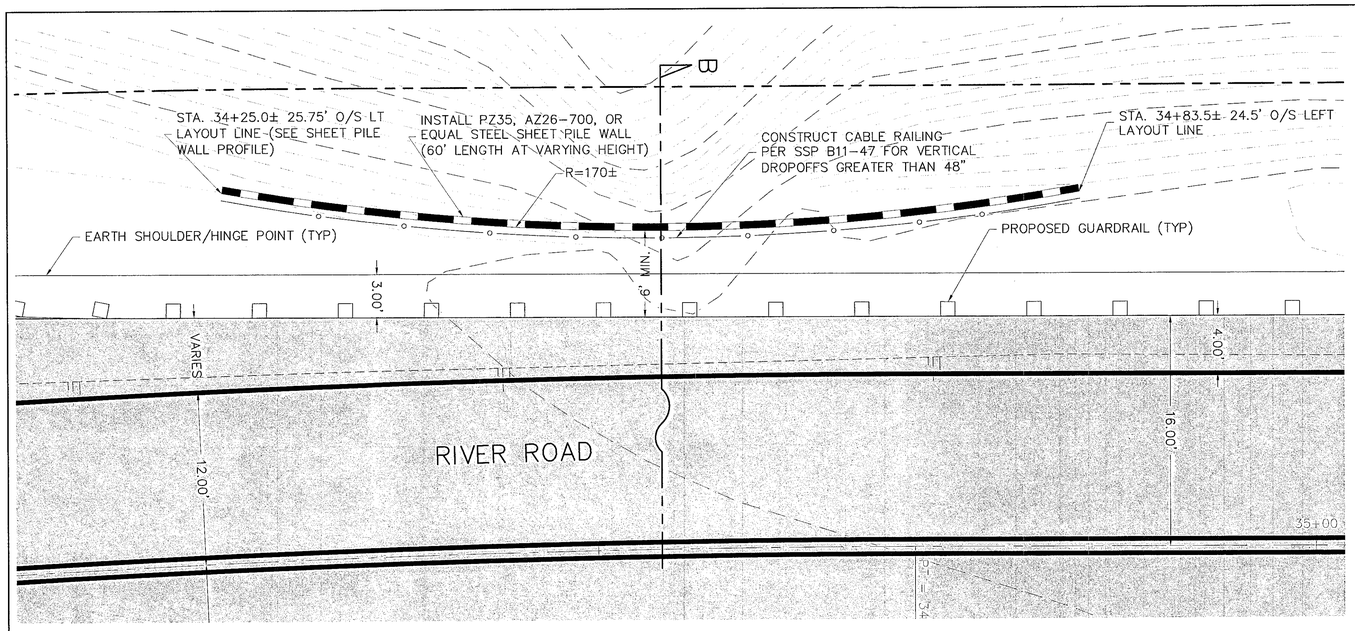
ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	11	12



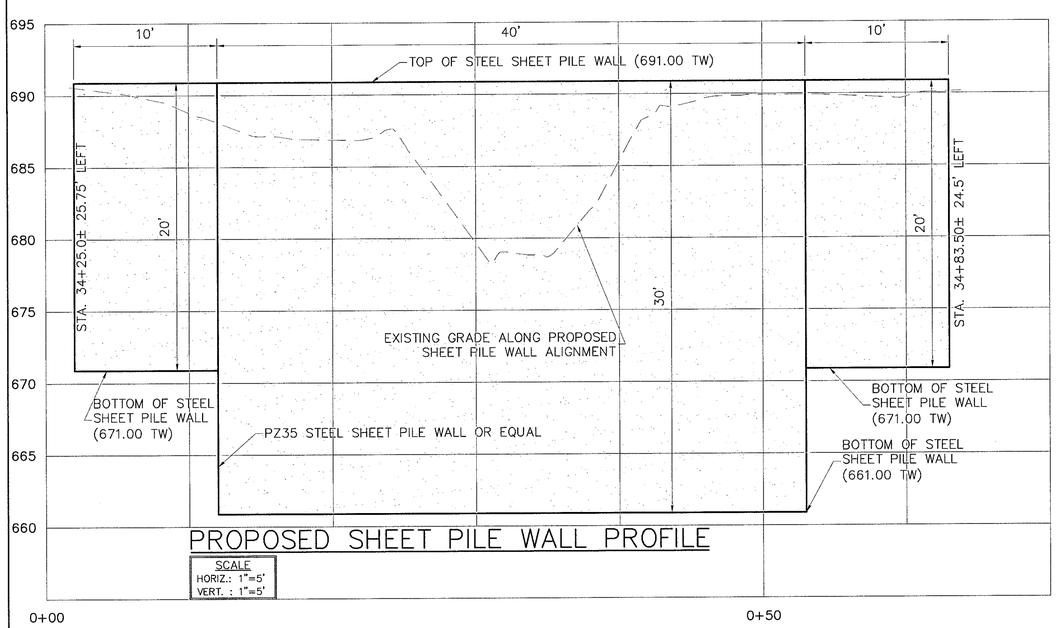
REGISTERED PROFESSIONAL ENGINEER
MARK K. DAVIS
PE. NO. 63477
CIVIL
STATE OF CALIFORNIA

RIVER ROAD WIDENING PROJECT					
SAG AREA DETAIL					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015

ROAD NO.	JOB NO.	SHEET NO.	SHEETS TOTAL
5252	300489	12	12

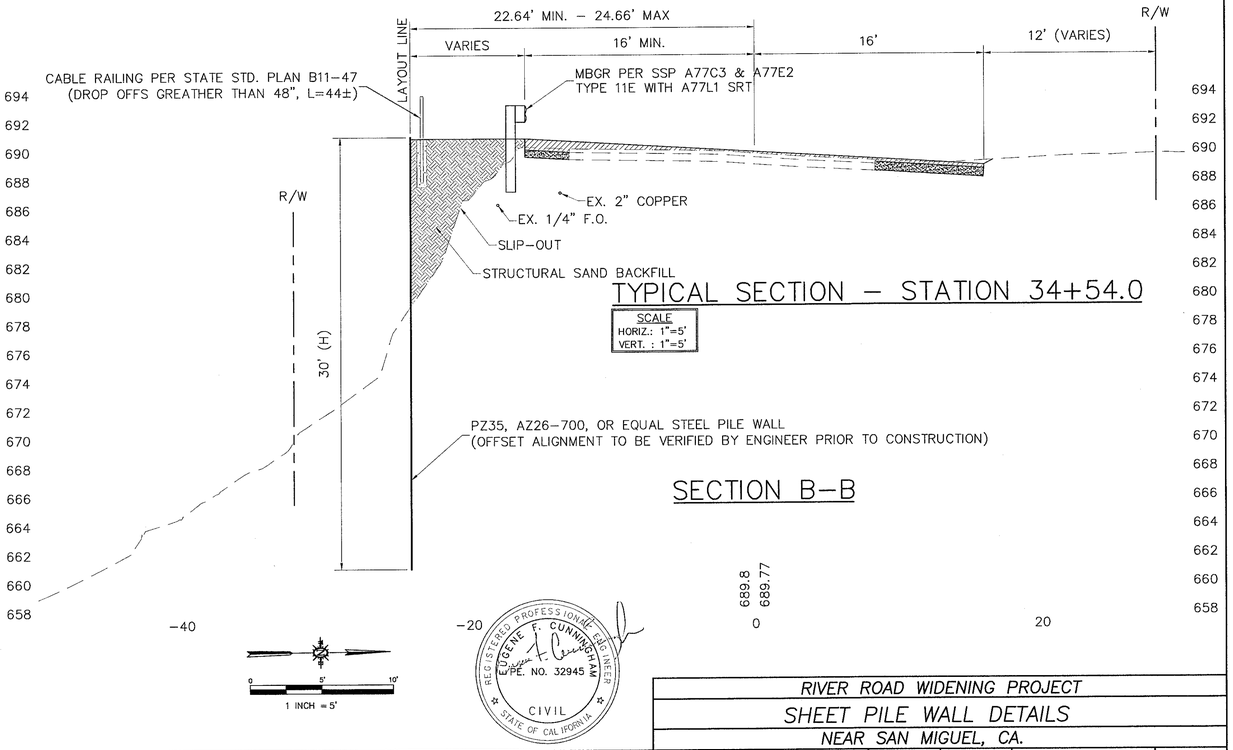


PLAN VIEW



PROPOSED SHEET PILE WALL PROFILE

SCALE
HORIZ.: 1"=5'
VERT. : 1"=5'



TYPICAL SECTION – STATION 34+54.0

SCALE
HORIZ.: 1"=5'
VERT. : 1"=5'

SECTION B–B

1 INCH = 5'

REGISTERED PROFESSIONAL ENGINEER
EUGENE F. CUNNINGHAM
EXPIRE. NO. 32945
CIVIL
STATE OF CALIFORNIA

RIVER ROAD WIDENING PROJECT					
SHEET PILE WALL DETAILS					
NEAR SAN MIGUEL, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	2/2015	MD	2/2015	J WERST	2/2015