ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	1	17

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

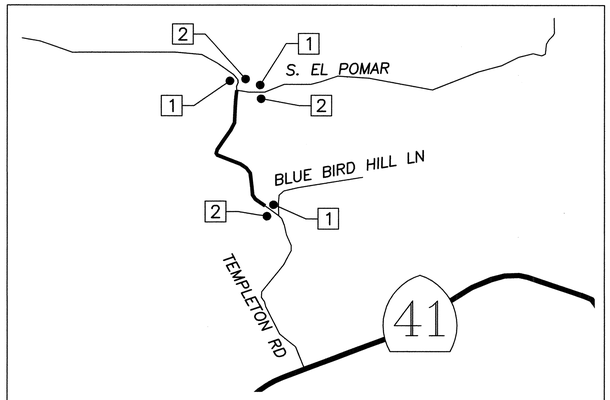
APPROVED: July 17 ,20 12
Dave Flynn
DEPUTY DIRECTOR OF PUBLIC WORKS

PLANS FOR WIDENING OF TEMPLETON ROAD FROM BLUEBIRD HILL LANE TO SOUTH EL POMAR NEAR TEMPLETON, CA.
COUNTY CONTRACT No. 300386
FEDERAL No. HRRRL-5949(111)

To Be Supplemented By State Standard Plans Dated May, 2006

INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET
SHEET NO.	2	STATE AND COUNTY STANDARD PLAN LIST
SHEET NO.	3	TYPICAL SECTIONS
SHEET NO.	4	RIGHT OF WAY MAP STA. 150+00 TO 160+00
SHEET NO.	5	RIGHT OF WAY MAP STA. 160+00 TO 171+50
SHEET NO.	6	RIGHT OF WAY MAP STA. 171+50 TO 176+00
SHEET NO.	7	RIGHT OF WAY MAP STA. 176+00 TO 193+00
SHEET NO.	8	PLAN AND PROFILE STA. 50+50 TO 66+00
SHEET NO.	9	PLAN AND PROFILE STA. 66+00 TO 75+00
SHEET NO.	10	PLAN AND PROFILE STA. 75+00 TO 90+00
SHEET NO.	11	CULVERT DETAILS
SHEET NO.	12	CONSTRUCTION DETAILS
SHEET NO.	13	STRIPING PLAN
SHEET NO.	14	STRIPING PLAN
SHEET NO.	15	COMPOSITE UTILITY PLAN
SHEET NO.	16	COMPOSITE UTILITY PLAN
SHEET NO.	17	QUANTITY SUMMARY



LEGEND

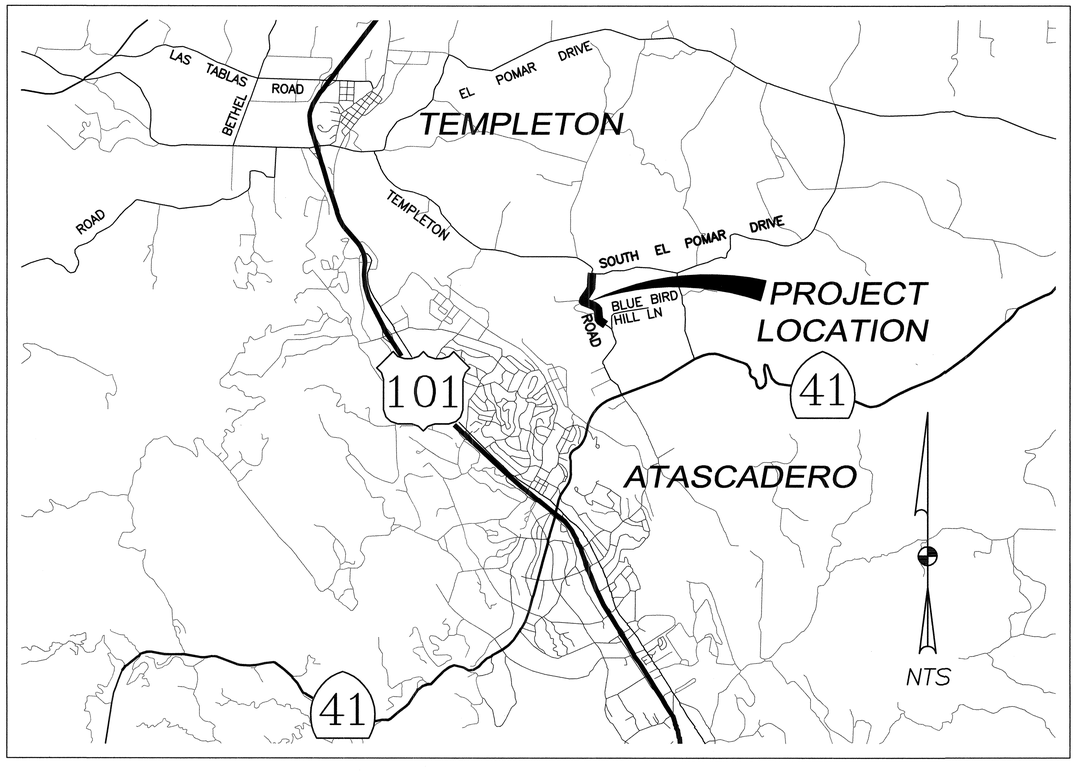
No.	Type	Size	Message	Quantity
1	C23(CA.)	48"X48"	"ROAD WORK AHEAD"	3
2	C14(CA.)	48"x24"	"END ROAD WORK"	3

NOTES:

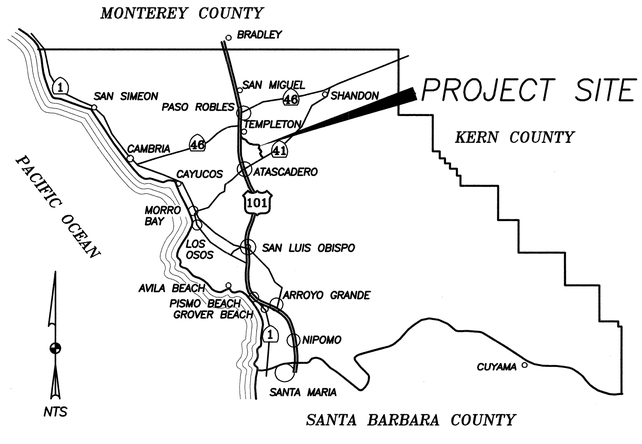
All Signs Shall Be Stationary Mounted on 4x4 Wood Posts, Unless Noted Otherwise or as directed by the Engineer.

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
NO SCALE



VICINITY MAP
NO SCALE

REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS EXP 9-30-12 CIVIL STATE OF CALIFORNIA

ROAD WIDENING – TEMPLETON ROAD					
TITLE SHEET					
TEMPLETON, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	2	17

GENERAL ROAD WORK

MISCELLANEOUS

- ■ A10A Abbreviations
- ■ A10B Symbols
- ■ A20A Pavement Markers and Traffic Lines, Typical Details
- ■ A20B Pavement Markers and Traffic Lines, Typical Details
- □ A20C Pavement Markers and Traffic Lines, Typical Details
- □ A20D Pavement Markers and Traffic Lines, Typical Details
- □ A24A Pavement Markings– Arrows
- □ A24B Pavement Markings– Arrows
- □ A24C Pavement Markings– Symbols and Numerals
- □ A24D Pavement Markings– Words
- □ A24E Pavement Markings– Words and Crosswalks
- □ A35A Portland Cement Concrete Paving Details
- ■ A62A Excavation and Backfill– Miscellaneous Details
- □ A62B Limits of Payment for Excavation and Backfill Bridge– Surcharge and Wall
- □ A62C Limits of Payment for Excavation and Backfill– Bridge
- □ A62D Excavation and Backfill– Concrete Pipe Culverts
- ■ A62E Excavation and Backfill– Cast–In–Place Reinforced Concrete Box and Arch Culverts
- ■ A62F Excavation and Backfill– Metal and Plastic Culverts
- ■ A73A Markers
- ■ A73B Markers
- ■ A73C Delineators, Channelizers and Barricades
- □ A74 Survey Monuments
- □ A75A Concrete Barrier Type 50
- □ A75B Concrete Barrier Type 50E
- □ A75C Headlight Glare Screen
- □ A77A Metal Beam Guard Railing
- □ A77B Metal Beam Guard Railing– Standard Hardware
- □ A77C Metal Beam Guard Railing– Posts and Blocks
- □ A77D Guard Rail Flares
- □ A77E Guard Rail Flares
- □ A77F Metal Beam Guard Railing– Miscellaneous Details
- □ A77G Guard Rail End Anchors (Breakaway)
- □ A77H Guard Rail End Anchors (Breakaway Hardware)
- □ A77I Barrier and Guard Rail End Anchors
- □ A77J Guard Rail Connections to Bridge Rails, Retaining Walls and Abutments
- □ A77K Guard Rail Connections to Bridge Sidewalks and Curbs
- □ A78A Thrie Beam Barrier
- □ A78B Thrie Beam Barrier– Standard Hardware and Miscellaneous Details
- □ A78C Thrie Beam Barrier– End Anchors
- □ A78D Thrie Beam Barrier Connections to Bridge Rails
- □ A78E Thrie Beam Barrier Connection to Concrete Barrier Type 50
- □ A78F Thrie Beam Barrier Connections to Bridge Curbs, Retaining Walls and Abutments
- □ A80 Thrie Beam Barrier Emergency Passageway
- □ A81 Crash Cushion, Sand Filled
- □ A83 Portable Scale Pad and Approach Slab Details
- □ A85 Chain Link Fence
- ■ A86 Barbed Wire and Wire Mesh Fences
- ■ A86A Barbed Wire and Wire Mesh Fence Detail on Sharp Break in Grade
- □ A86B Barbed Wire and Wire Mesh Fence Details
- ■ A86C Barbed Wire and Wire Mesh Fence Details at Ditch Crossing
- □ A87 Curbs, Dikes and Driveways

DRAINAGE

- □ D72 Drainage Inlets
- □ D73 Drainage Inlets
- □ D74A Drainage Inlets
- □ D74B Drainage Inlets
- □ D74C Drainage Inlets Details
- ■ D75 Pipe Inlet
- □ D77A Grate Details
- □ D77B Bicycle Proof Grate Details
- □ D77C Alternative Hinged Cover for Type OL and OS Inlets and Trash Rack for Type OCP Inlet
- □ D78 Gutter Depressions
- □ D79 Precast Reinforced Concrete Pipe– Direct Design Method
- □ D80 Cast–In–Place Reinforced Concrete Single Box Culvert
- □ D81 Cast–In–Place Reinforced Concrete Double Box Culvert
- □ D82 Cast–In–Place Reinforced Concrete Box Culvert Miscellaneous Details
- □ D84 Box Culvert Wingwalls– Types A,B,C
- □ D85 Box Culvert Wingwalls– Types D and E
- □ D86A Box Culvert Warped Wingwalls
- ■ D86B Pipe Culvert Headwalls, Endwalls and Warped Wingwalls
- □ D86C Arch Culvert Headwalls, Endwalls and Warped Wingwalls
- ■ D87A Overside Drains
- □ D87B Overside Drains
- □ D87C Underdrains
- ■ D87D Overside Drains
- □ D88 Construction Loads on Culverts
- □ D88A Strut Details for Structural Steel Plate Pipes, Arches, and Vehicular Undercrossings
- ■ D89 Pipe Headwalls
- ■ D90 Pipe Culvert Headwalls, Endwalls and Wingwalls– Types A,B and C
- □ D93A Pipe Riser Connections
- □ D93B Drainage Inlet Riser Connections
- □ D93C Pipe Riser with Debris Rack Cage
- ■ D94A Metal and Plastic Flared End Sections
- □ D94B Concrete Flared End Sections
- □ D95 Concrete Arch Culverts
- □ D97A Corrugated Metal Pipe Coupling Details No.1– Annular Coupling Band Bar and Strap and Angle Connectors
- □ D97B Corrugated Metal Pipe Coupling Details No. 2– Hat Band Coupler and Flange Details
- □ D97C Corrugated Metal Pipe Coupling Details No. 3– Helical and Universal Couplers
- □ D97D Corrugated Metal Pipe Coupling Details No. 4– Hugger Coupling Bands
- □ D97E Corrugated Metal Pipe Coupling Details No. 5– Standard Joint
- □ D97F Corrugated Metal Pipe Coupling Details No. 6– Positive Joint
- □ D97G Corrugated Metal Pipe coupling Details No. 7– Positive Joints and Downdrains
- □ D97H Reinforced Concrete Pipe or Non–Reinforced Concrete Pipe Standard and Positive Joints
- □ D98A Slotted Corrugated Steel Pipe Drain Details
- □ D98B Slotted Corrugated Steel Pipe Drain Details
- □ D99A Structural Section Drainage System Details
- □ D99B Edge Drain Outlet and Vent Details
- □ D99C Edge Drain Cleanout and Vent Details
- □ D99D Cross Drain Interceptor Details

HIGHWAY PLANTING

- □ H1 Planting and Irrigation– Abbreviations
- □ H2 Planting and Irrigation– Symbols
- □ H3 Planting and Irrigation– Details
- □ H4 Planting and Irrigation– Details
- □ H5 Planting and Irrigation– Details
- □ H6 Planting and Irrigation– Details
- □ H7 Planting and Irrigation– Details
- □ H8 Planting and Irrigation– Details

TEMPORARY FACILITIES

- □ T1 Temporary Crash Cushion, Sand Filled
- □ T2 Temporary Crash Cushion, Sand Filled
- □ T3 Temporary Railing (Type K)
- □ T4 Temporary Traffic Screen
- □ T10 Traffic Control System for Lane Closure on Freeways and Expressways
- □ T10A Traffic Control System for Lane and Complete Closures on Freeways and Expressways
- □ T11 Traffic Control System for Lane Closure on Multilane Conventional Highways
- □ T12 Traffic Control System for Lane Closure on Multilane Conventional Highways
- ■ T13 Traffic Control System for Lane Closure on Two Lane Conventional Highways
- □ T14 Traffic Control System for Ramp Closures
- ■ TA–6 Shoulder Closure (MUTCD)
- ■ TA–13 Road Closure (MUTCD)
- ■ TA–10 Lane Closure (MUTCD)

ROADSIDE SIGNS

- ■ RS1 Roadside Signs, Typical Installation Details No. 1
- □ RS2 Roadside Signs, Wood Posts, Typical Installation Detail No. 2
- □ RS3 Roadside Signs, Laminated Box Wood Posts, Typical Installation Details No. 3
- □ RS4 Roadside Signs, Typical Installation Detail No. 4

COUNTY IMP. STD

- ■ A–1c Typical Rural Road Section
- ■ A–1f Typical Rural Road Section
- ■ B–1a Rural Residential Driveway for Edge of Pavement (No Dike)
- ■ B–1b Rural Residential Driveway for Type "A" HMA Dike
- ■ C–3 Hot Mix Asphalt (HMA) Dikes
- ■ D–2a Rural Catch Basin Edge of Pavement Condition
- ■ D–2b Rural Catch Basin Hot Mix Asphalt Dike Condition
- ■ H–5 Rock Slope Protection Sizing Method at Culvert Outlets
- ■ R–2 Rural Road Widening
- ■ R–3 Trench Repair
- ■ U–4 Trench Detail
- ■ U–4b Shallow Trench Detail
- ■ R–1 Allowable Pavement Seam Locations

The New Standard Plans (NSP) which apply to this contract are included as individual sheets of the project plans. The Standard Plan sheets applicable to this contract include, but are not limited to those indicated by a marked box.

ROAD WIDENING – TEMPLETON ROAD

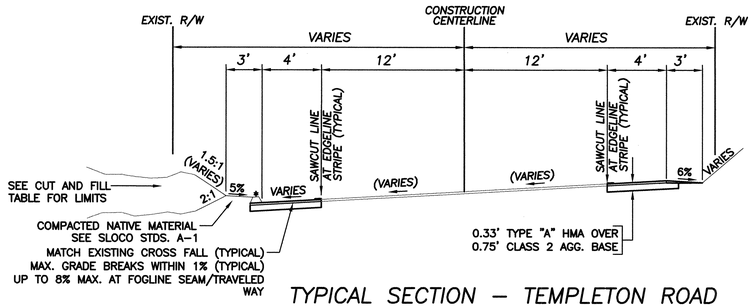
STATE and COUNTY STANDARD PLANS LIST

BETWEEN TEMPLETON AND ATASCADERO, CA

Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

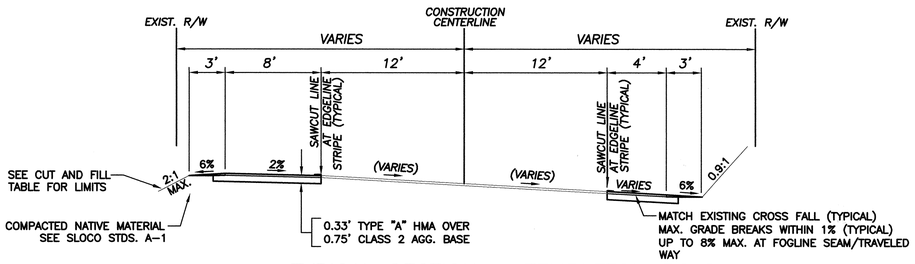
V:\AUTOCAD\DN, SD PROJECTS\CA, SI 20\0\Templeton\Templeton Road Bike Ext\01-to 04\01\Final Drawings\Contract and Bike Bike.dwg, 7/17/2012 7:24:44 AM, CCox

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	3	17



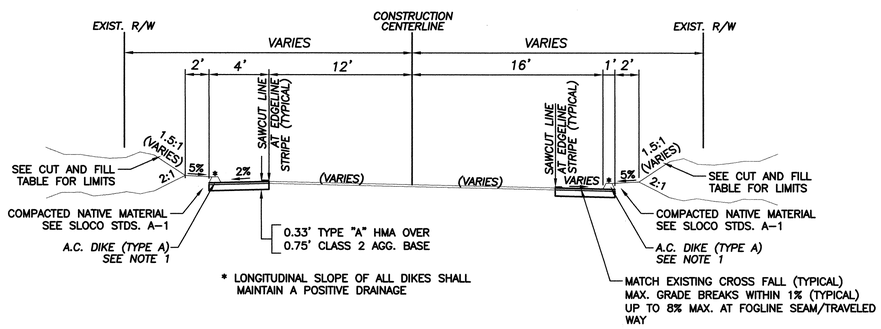
TYPICAL SECTION – TEMPLETON ROAD
STA. 79+50± TO STA. 83+75±

NOT TO SCALE



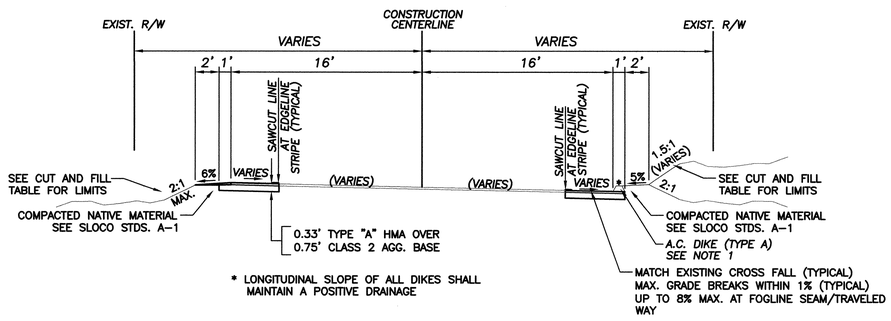
TYPICAL SECTION – TEMPLETON ROAD
STA. 71+00± TO STA. 73+61±

NOT TO SCALE



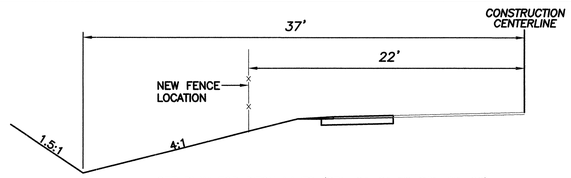
TYPICAL SECTION – TEMPLETON ROAD
STA. 56+60 TO STA. 57+50

NOT TO SCALE



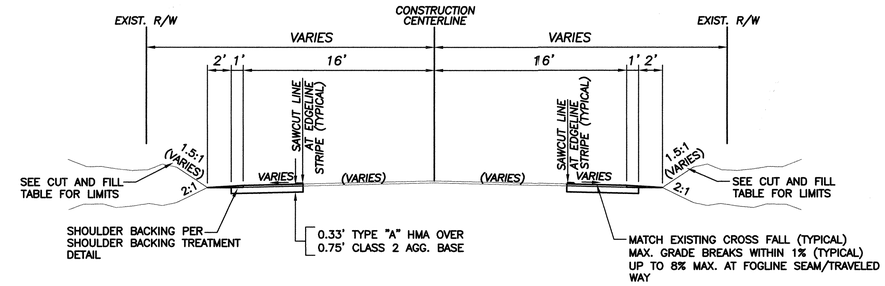
TYPICAL SECTION – TEMPLETON ROAD
STA. 54+50 TO STA. 56+60

NOT TO SCALE



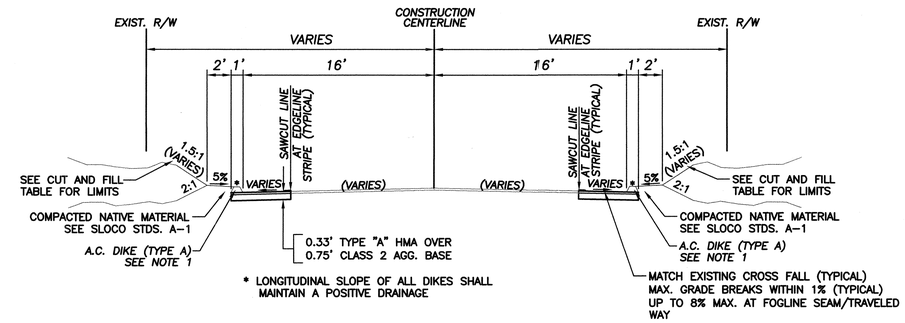
SEE PLAN FOR DITCH LIMITS (STA. 64+81 TO STA. 71+20)

ADT(02) = 1800 V = 40 MPH
ADT(30) = 3800 R VALUE = 36
T.I. = 7.5
T= 3%



TYPICAL SECTION – TEMPLETON ROAD
WITHOUT DIKE

NOT TO SCALE



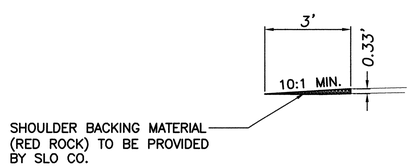
TYPICAL SECTION – TEMPLETON ROAD
WITH DIKE

NOT TO SCALE

CUT AND FILL SLOPES					
LEFT			RIGHT		
STATION	CUT	FILL	STATION	CUT	FILL
52+00 TO 79+50	1.5:1	2:1	53+00 TO 57+00	1.5:1	2:1
56+50 TO 57+00	0.75:1	2:1	57+00 TO 60+00	1.4:1	2:1
64+81 TO 71+20	2:1	4:1	60+00 TO 66+00	1.5:1	2:1
79+50 TO 80+00	0.75:1	2:1	66+00 TO 69+00	0.75:1	2:1
80+00 TO 83+25	1.5:1	2:1	69+00 TO 71+20	1.5:1	2:1
83+25 TO 83+75	1.5:1	1.9:1	71+20 TO 73+00	0.9:1	2:1
83+75 TO 90+00	1.5:1	2:1	73+00 TO 80+40	1.5:1	2:1
			80+40 TO 82+50	1.0:1	2:1
			82+50 TO 84+25	1.5:1	2:1
			84+25 TO 85+50	1.2:1	2:1
			85+50 TO 90+00	1.5:1	2:1

NOTES:

1. FOR LIMITS AND LOCATION OF A.C. DIKE SEE PLAN AND PROFILE SHEETS.
2. FOR EXISTING PAVEMENT LOCATION AND EXISTING/PROPOSED CROSS SLOPE, SEE CROSS SECTION SHEETS.
3. FOR LIMITS AND LOCATION OF SAWCUT, SEE PLAN AND PROFILE SHEETS.
4. ANY CONFORM GRIND AND OVERLAY SHALL BE 1.5" MINIMUM. NO PARTIAL GRINDING ON PAVEMENT SECTIONS LESS THAN 3"– INCHES.
5. GRIND 1.5" (MIN.) FROM THE EXISTING ADJACENT HMA PAVEMENT SO THAT FINAL SEAMS ARE LOCATED IN ACCORDANCE WITH SLO CO. DWG R-1 AND R-2



TYPICAL SHOULDER BACKING TREATMENT DETAIL

NOT TO SCALE

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

ROAD WIDENING – TEMPLETON ROAD					
TYPICAL SECTIONS					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

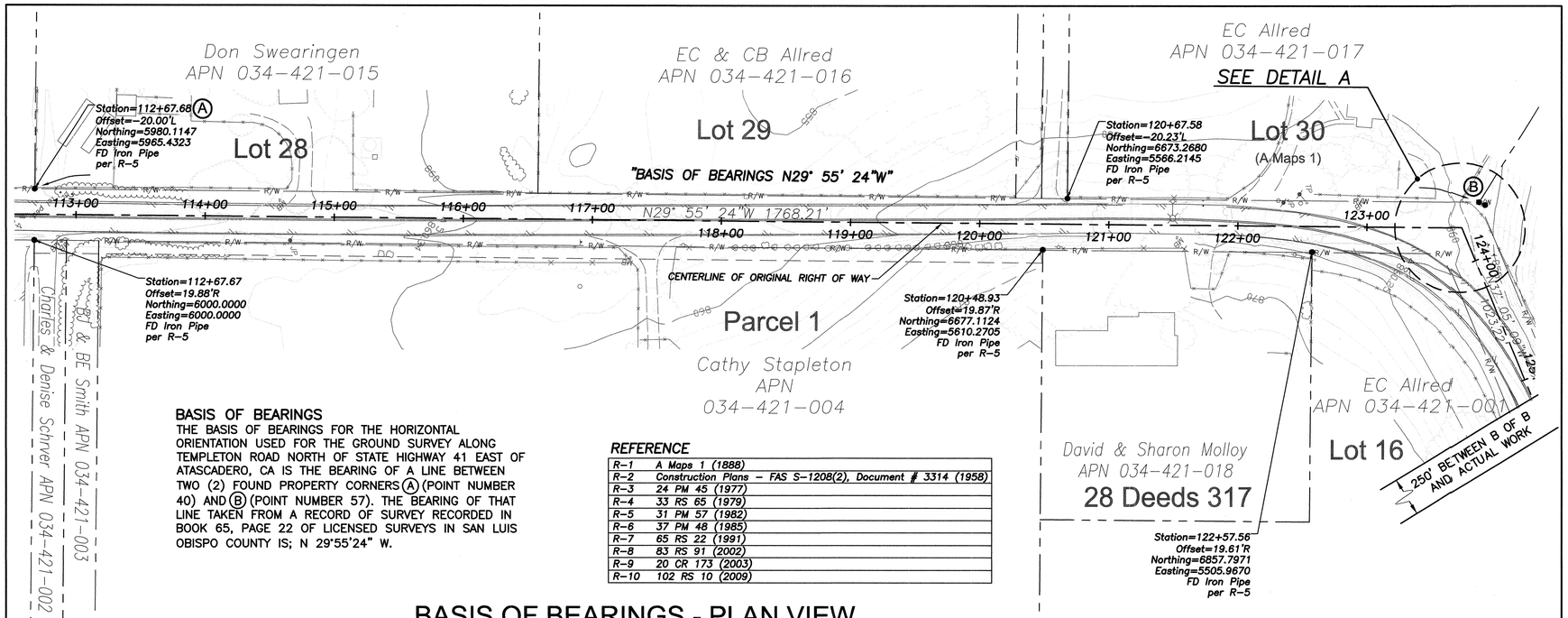
V:\AUTOCAD\CIVIL 3D 2010\ACCDOCS\A_30-2010\Templeton\Templeton Road Site 2010\cd-files\Design\Typical Sections & Details.dwg, 7/17/2012 7:06:08 AM, C.Cox

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	4	17

SCALE 1" = 50'

0 50' 100'

LEGEND
EXISTING PAVEMENT

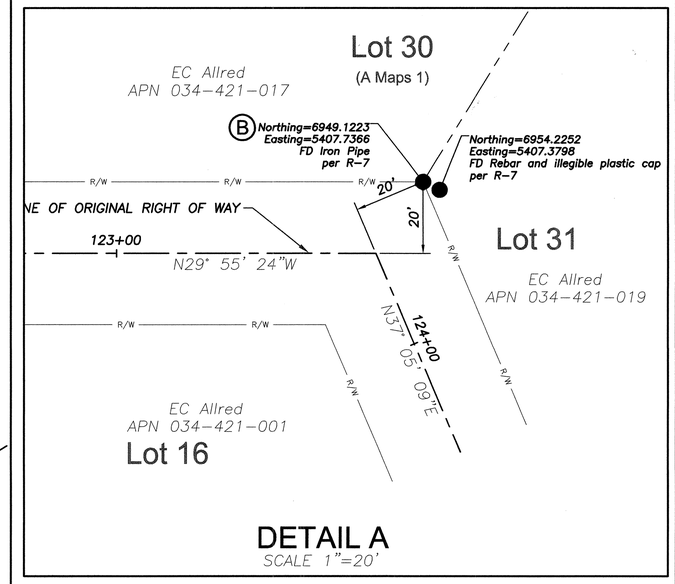


BASIS OF BEARINGS - PLAN VIEW

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THE HORIZONTAL ORIENTATION USED FOR THE GROUND SURVEY ALONG TEMPLETON ROAD NORTH OF STATE HIGHWAY 41 EAST OF ATASCADERO, CA IS THE BEARING OF A LINE BETWEEN TWO (2) FOUND PROPERTY CORNERS (A) (POINT NUMBER 40) AND (B) (POINT NUMBER 57). THE BEARING OF THAT LINE TAKEN FROM A RECORD OF SURVEY RECORDED IN BOOK 65, PAGE 22 OF LICENSED SURVEYS IN SAN LUIS OBISPO COUNTY IS; N 29°55'24" W.

REFERENCE

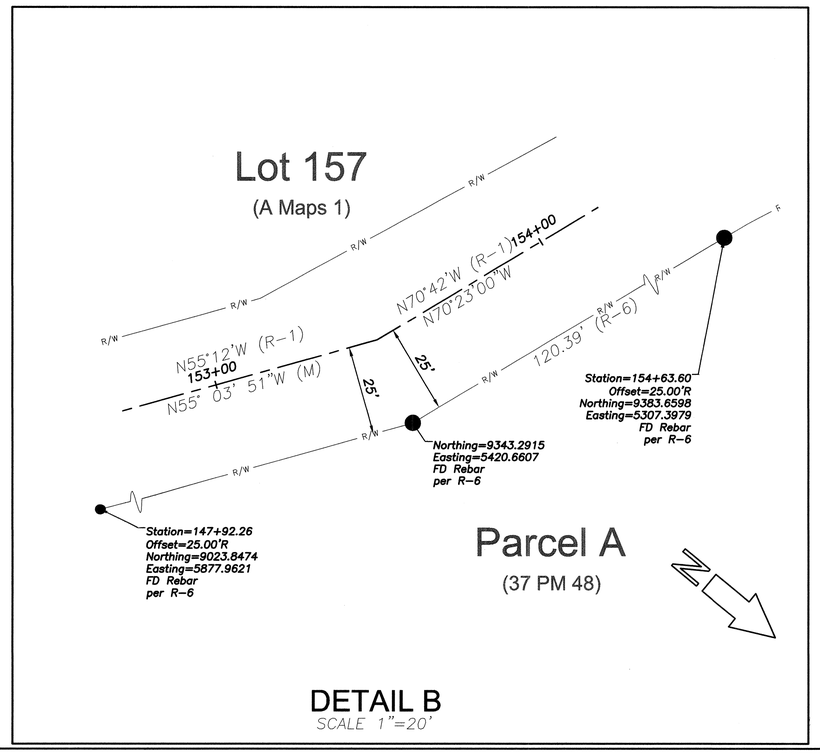
R-1	A Maps 1 (1888)
R-2	Construction Plans – FAS S-1208(2), Document # 3314 (1958)
R-3	24 PM 45 (1977)
R-4	33 RS 65 (1979)
R-5	31 PM 57 (1982)
R-6	37 PM 48 (1985)
R-7	65 RS 22 (1991)
R-8	83 RS 91 (2002)
R-9	20 CR 173 (2003)
R-10	102 RS 10 (2009)



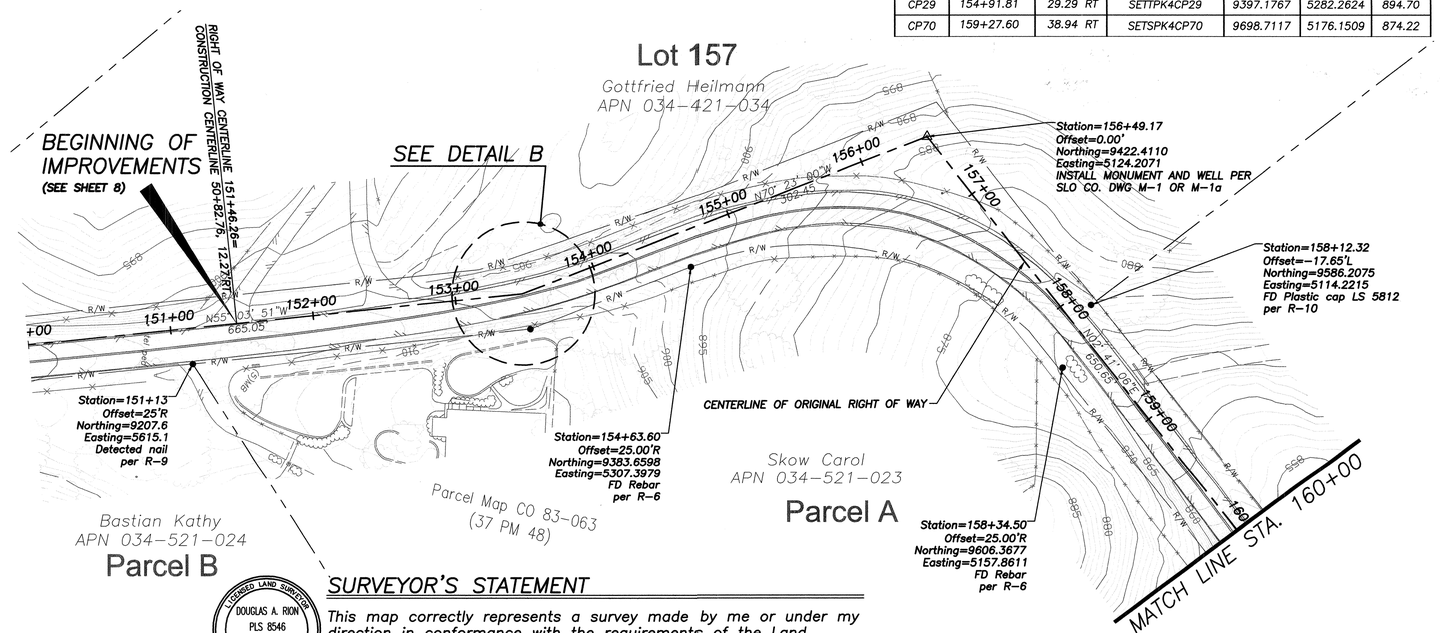
DETAIL A
SCALE 1"=20'

Control Points

Point #	R/W Station	Offset	Description	Northing	Easting	Elevation
CP23	121+82.57	18.48 LT	SETSPK4CP23	6773.8047	5510.3595	863.88
CP24	123+25.75	6.59 RT	SETSPK4CP24+TBM	6910.4008	5460.6667	861.86
CP29	154+91.81	29.29 RT	SETTPK4CP29	9397.1767	5282.2624	894.70
CP70	159+27.60	38.94 RT	SETSPK4CP70	9698.7117	5176.1509	874.22



DETAIL B
SCALE 1"=20'



LICENSED LAND SURVEYOR
DOUGLAS A. RION
PLS 8546
Exp. 12/31/12
STATE OF CALIFORNIA

SURVEYOR'S STATEMENT

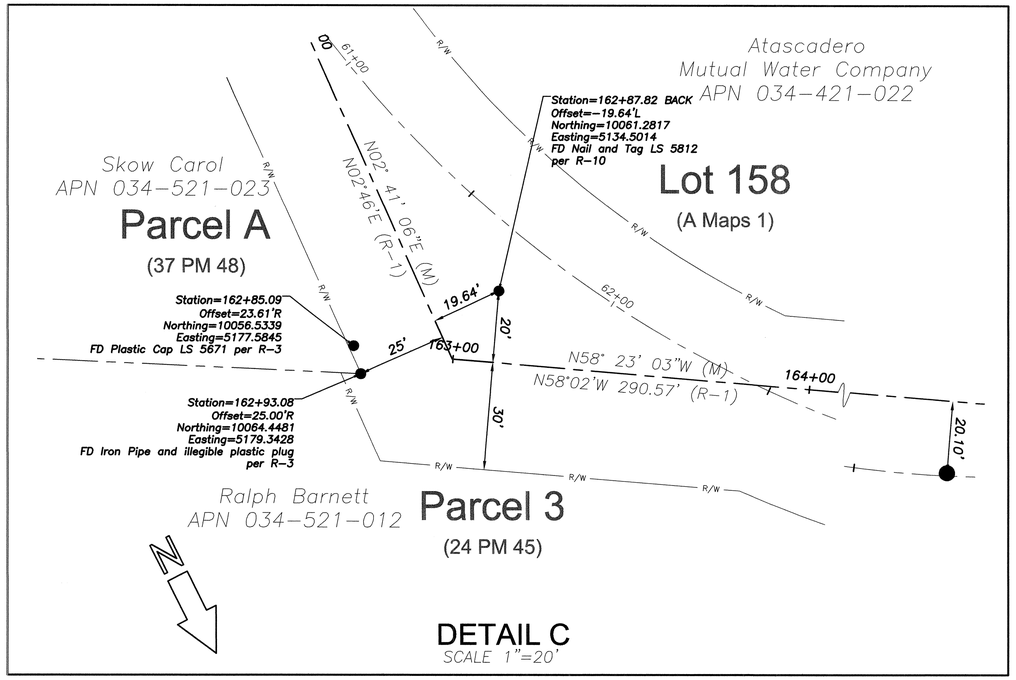
This map correctly represents a survey made by me or under my direction in conformance with the requirements of the Land Surveyor's Act.
in SEPTEMBER, 20 09.

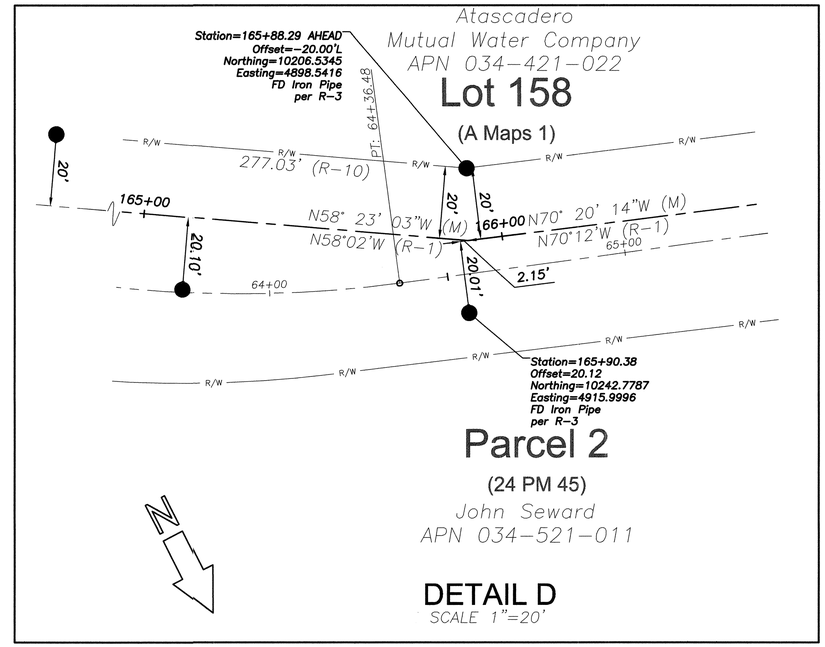
L.S. 8546 (Exp. 12-31-2012)

ROAD WIDENING – TEMPLETON ROAD
RIGHT OF WAY MAP
BETWEEN TEMPLETON AND ATASCADERO, CA

Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

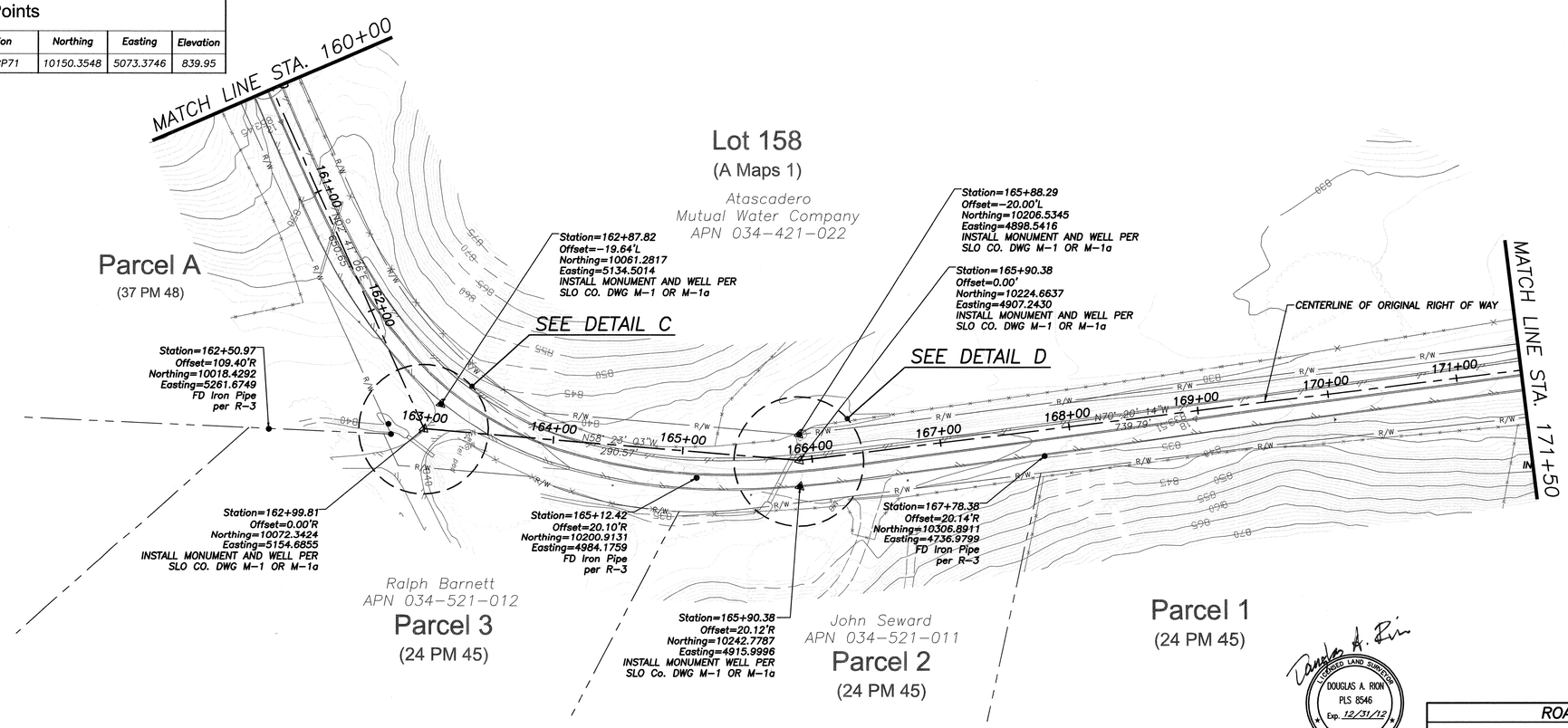
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	5	17





Control Points

Point #	R/W Station	Offset	Description	Northing	Easting	Elevation
CP71	164+09.95	23.81 RT	SETSPK4CP71	10150.3548	5073.3746	839.95



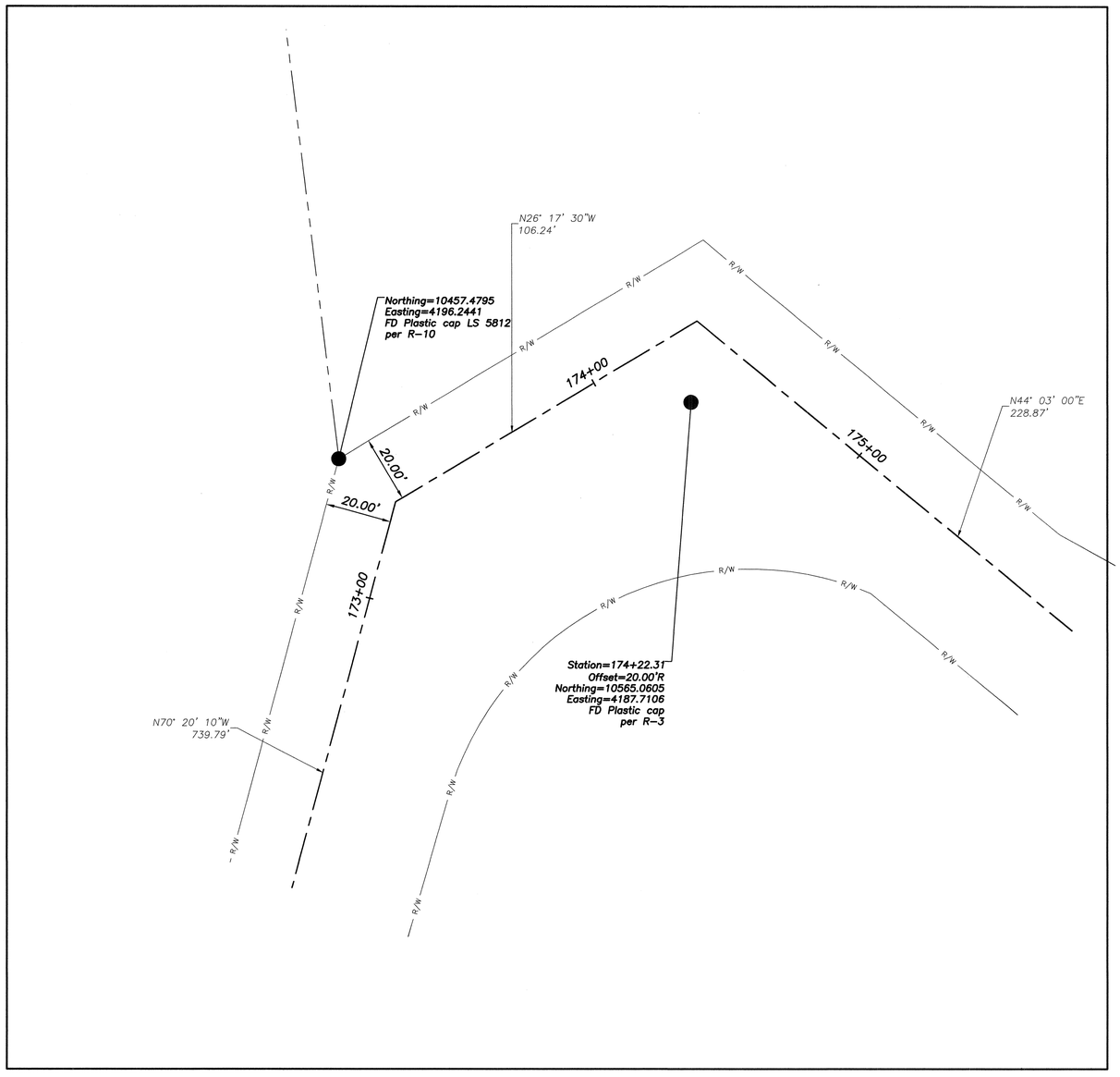
LICENSED LAND SURVEYOR
DOUGLAS A. RION
PLS 8546
Exp. 12/31/12
STATE OF CALIFORNIA

ROAD WIDENING – TEMPLETON ROAD					
RIGHT OF WAY MAP					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

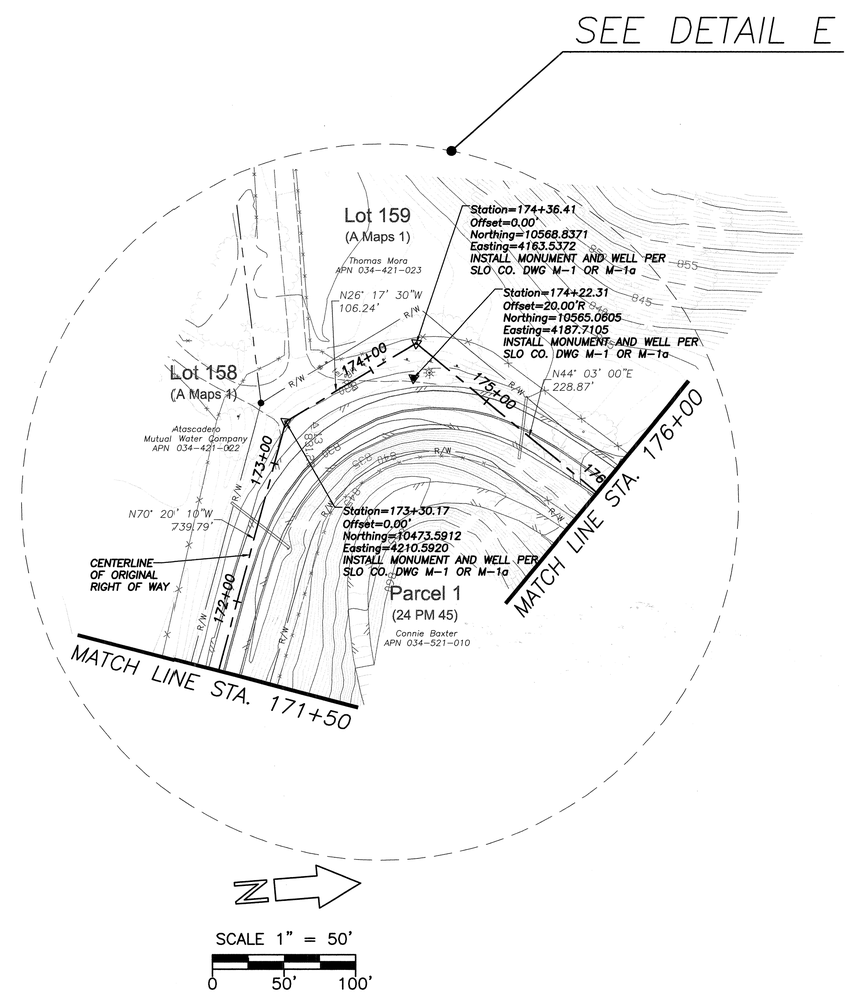
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	6	17

Control Points

Point #	R/W Station	Offset	Description	Northing	Easting	Elevation
CP72	173+69.93	12.15 LT	SPK.CP.72	10503.8569	4182.0853	827.54



DETAIL E
SCALE 1"=20'



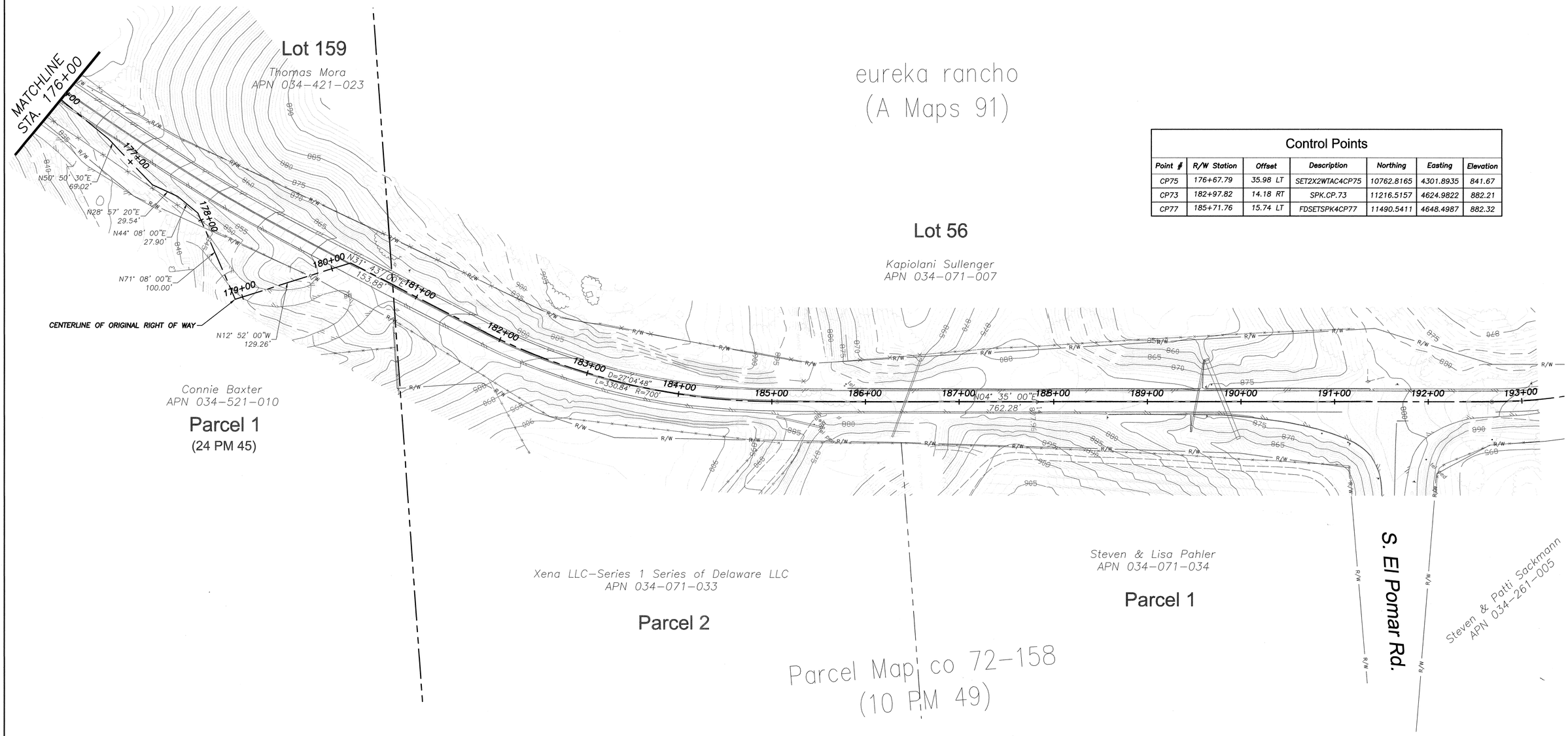
LICENSED LAND SURVEYOR
DOUGLAS A. RION
PLS 8546
Exp. 12/31/12
STATE OF CALIFORNIA

ROAD WIDENING – TEMPLETON ROAD					
RIGHT OF WAY MAP					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	7	17

SCALE 1" = 50'

0 50' 100'



Control Points

Point #	R/W Station	Offset	Description	Northing	Easting	Elevation
CP75	176+67.79	35.98 LT	SET2X2WTAC4CP75	10762.8165	4301.8935	841.67
CP73	182+97.82	14.18 RT	SPK.CP.73	11216.5157	4624.9822	882.21
CP77	185+71.76	15.74 LT	FDSETSPK4CP77	11490.5411	4648.4987	882.32

Douglas A. Rion

LICENSED LAND SURVEYOR
DOUGLAS A. RION
PLS 8546
Exp. 12/31/12
STATE OF CALIFORNIA

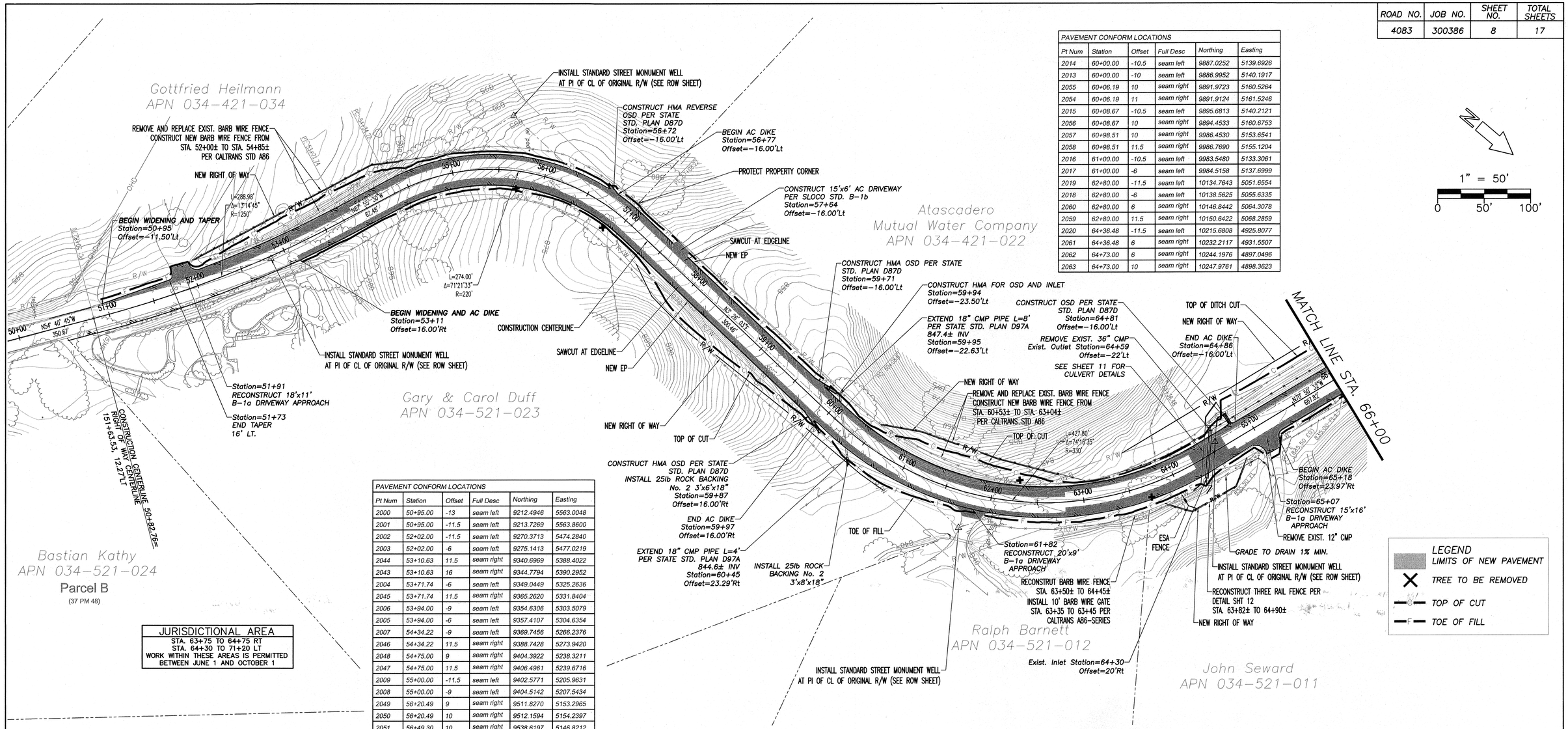
ROAD WIDENING – TEMPLETON ROAD					
RIGHT OF WAY MAP					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	8	17

N

1" = 50'

0 50' 100'

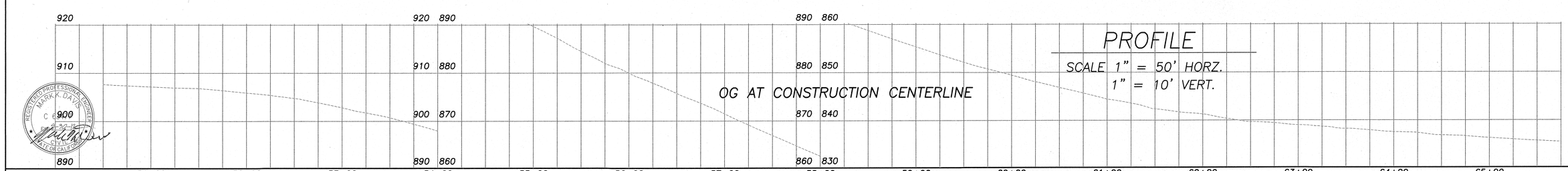


PLAN

PAVEMENT CONFORM LOCATIONS					
Pt Num	Station	Offset	Full Desc	Northing	Easting
2014	60+00.00	-10.5	seam left	9887.0252	5139.6926
2013	60+00.00	-10	seam left	9886.9952	5140.1917
2055	60+06.19	10	seam right	9891.9723	5160.5264
2054	60+06.19	11	seam right	9891.9124	5161.5246
2015	60+08.67	-10.5	seam left	9895.6813	5140.2121
2056	60+08.67	10	seam right	9894.4533	5160.6753
2057	60+98.51	10	seam right	9986.4530	5153.6541
2058	60+98.51	11.5	seam right	9986.7690	5155.1204
2016	61+00.00	-10.5	seam left	9983.5480	5133.3061
2017	61+00.00	-6	seam left	9984.5158	5137.6999
2019	62+80.00	-11.5	seam left	10134.7643	5051.6554
2018	62+80.00	-6	seam left	10138.5625	5055.6335
2060	62+80.00	6	seam right	10146.8442	5064.3078
2059	62+80.00	11.5	seam right	10150.6422	5068.2859
2020	64+36.48	-11.5	seam left	10215.6808	4925.8077
2061	64+36.48	6	seam right	10232.2117	4931.5507
2062	64+73.00	6	seam right	10244.1976	4897.0496
2063	64+73.00	10	seam right	10247.9761	4898.3623

PAVEMENT CONFORM LOCATIONS					
Pt Num	Station	Offset	Full Desc	Northing	Easting
2000	50+95.00	-13	seam left	9212.4946	5563.0048
2001	50+95.00	-11.5	seam left	9213.7269	5563.8600
2002	52+02.00	-11.5	seam left	9270.3713	5474.2840
2003	52+02.00	-6	seam left	9275.1413	5477.0219
2044	53+10.63	11.5	seam right	9340.6969	5388.4022
2043	53+10.63	16	seam right	9344.7794	5390.2952
2004	53+71.74	-6	seam left	9349.0449	5325.2636
2045	53+71.74	11.5	seam right	9365.2620	5331.8404
2006	53+94.00	-9	seam left	9354.6306	5303.5079
2005	53+94.00	-6	seam left	9357.4107	5304.6354
2007	54+34.22	-9	seam left	9369.7456	5266.2376
2046	54+34.22	11.5	seam right	9388.7428	5273.9420
2048	54+75.00	9	seam right	9404.3922	5238.3211
2047	54+75.00	11.5	seam right	9406.4961	5239.6716
2009	55+00.00	-11.5	seam left	9402.5771	5205.9631
2008	55+00.00	-9	seam left	9404.5142	5207.5434
2049	56+20.49	9	seam right	9511.8270	5153.2965
2050	56+20.49	10	seam right	9512.1594	5154.2397
2051	56+49.30	10	seam right	9538.6197	5146.8212
2052	56+49.30	11	seam right	9538.8261	5147.7997
2010	56+99.00	-11.5	seam left	9586.1323	5120.8382
2011	56+99.00	-10	seam left	9586.1052	5122.3380
2012	57+08.22	-10	seam left	9595.7354	5122.7136
2053	57+08.22	11	seam right	9594.4775	5143.6759

JURISDICTIONAL AREA
STA. 63+75 TO 64+75 RT
STA. 64+30 TO 71+20 LT
WORK WITHIN THESE AREAS IS PERMITTED BETWEEN JUNE 1 AND OCTOBER 1



PROFILE

SCALE 1" = 50' HORZ.
1" = 10' VERT.

CU	EXC	2	17	149	221	110	39	38	141	213	105	141	282	183	39	166	225	TOTAL 2069
YDS	EMB	1	3	1	0	10	12	6	9	15	25	27	14	8	19	45	73	TOTAL 268

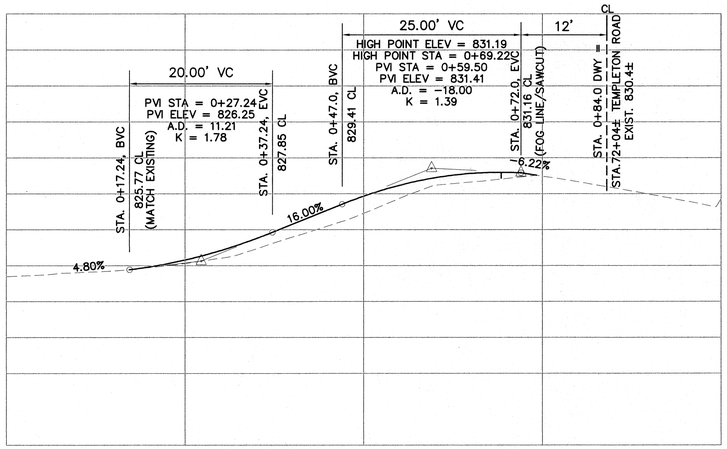
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

ROAD WIDENING – TEMPLETON ROAD
PLAN AND PROFILE STA. 50+50 TO 66+00

REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS C 61[illegible] EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

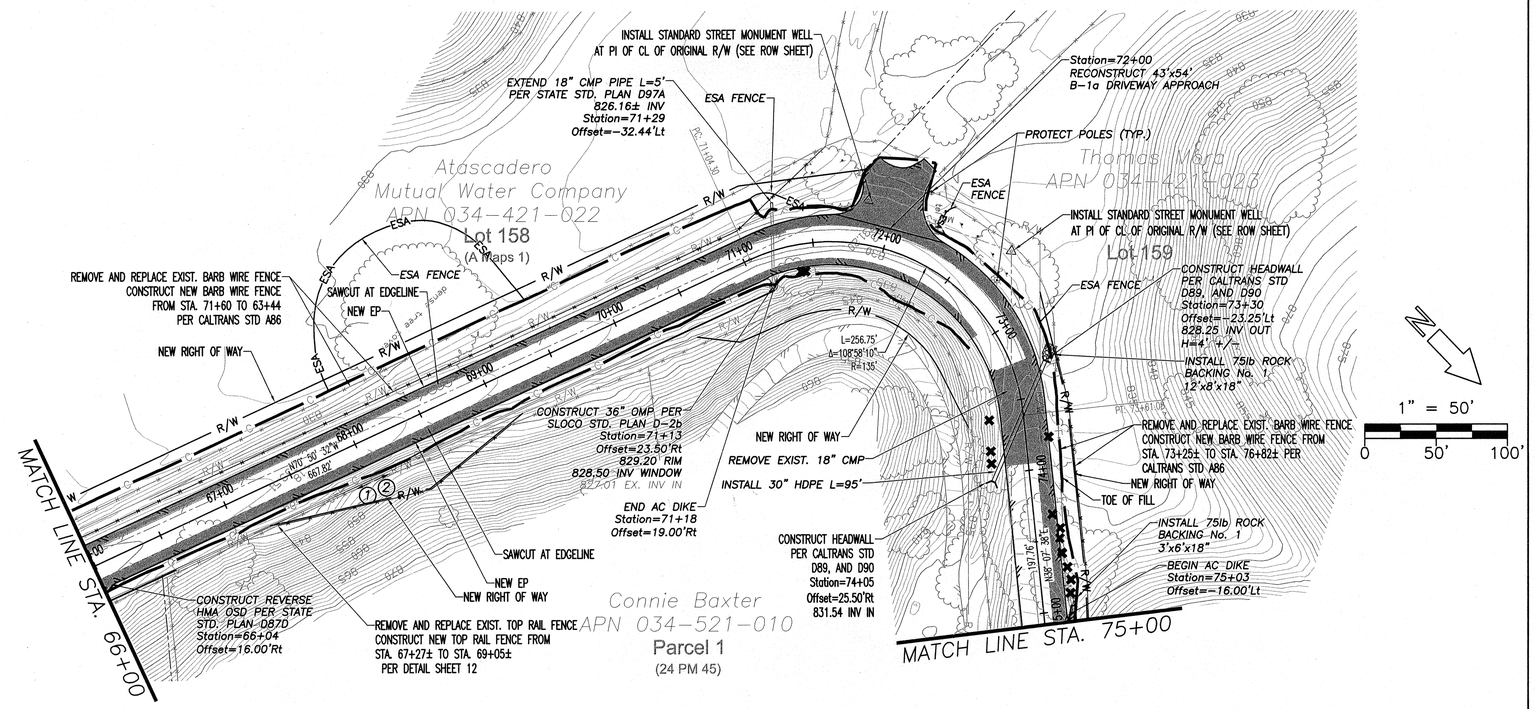
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	9	17



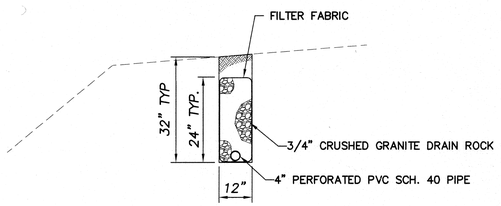
PROFILE OF DRIVEWAY AT STA. 72+00

PROFILE

SCALE 1" = 10' HORZ.
1" = 4' VERT.



PLAN



① STA. 68+00 BACK TO STA. 66+50
DAYLIGHT SOLID PIPE TO STA. 66+04

② STA. 68+00 TO STA. 70+00
DAYLIGHT SOLID PIPE TO STA. 71+13
HMA BERM FL=828.55

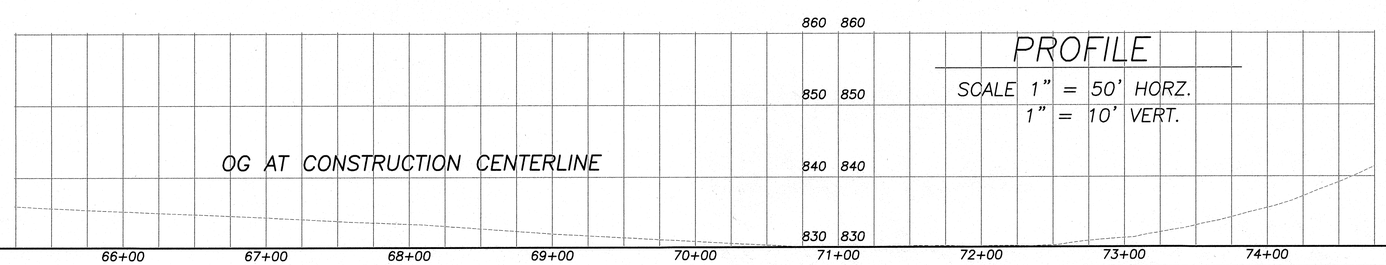
③ EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE SOILS ENGINEER.

TYPICAL SUB-SURFACE INTERCEPTOR SECTION
N.T.S

LEGEND
LIMITS OF NEW PAVEMENT
TREE TO BE REMOVED
TOP OF CUT
TOE OF FILL

JURISDICTIONAL AREA
STA. 63+75 TO 64+75 RT
STA. 64+30 TO 71+20 LT
WORK WITHIN THESE AREAS IS PERMITTED BETWEEN JUNE 1 AND OCTOBER 1

PAVEMENT CONFORM LOCATIONS					
2021	70+73.00	-11.5	seam left	10424.5683	4324.5353
2022	70+73.00	-10	seam left	10425.9853	4325.0275
2064	70+88.00	10	seam right	10449.8002	4317.4216
2065	70+88.00	11.5	seam right	10451.2171	4317.9139
2023	71+04.30	-10	seam left	10436.2562	4295.4631
2066	71+04.30	11.5	seam right	10456.5655	4302.5187
2025	71+33.00	-11.5	seam left	10448.0993	4266.8544
2024	71+33.00	-10	seam left	10449.3805	4267.6344
2068	72+94.00	16	seam right	10593.2144	4225.7357
2067	72+94.08	11.5	seam right	10594.0447	4221.3150
2026	73+35.13	-11.5	seam left	10640.0202	4212.6606
2027	73+35.13	-10.5	seam left	10639.5643	4213.5506
2028	73+61.05	-10.5	seam left	10663.0589	4228.5911
2029	74+05.00	-10.5	seam left	10697.6311	4255.7256
2030	74+05.00	-6	seam left	10694.8528	4259.2655



PROFILE

SCALE 1" = 50' HORZ.
1" = 10' VERT.

STA		66+00	67+00	68+00	69+00	70+00	71+00	72+00	73+00	74+00		
CU YDS	EXC	154	167	148	108	65	81	87	33	11	TOTAL 854	
	EMB	83	84	78	51	41	104	84	19	20	TOTAL 564	

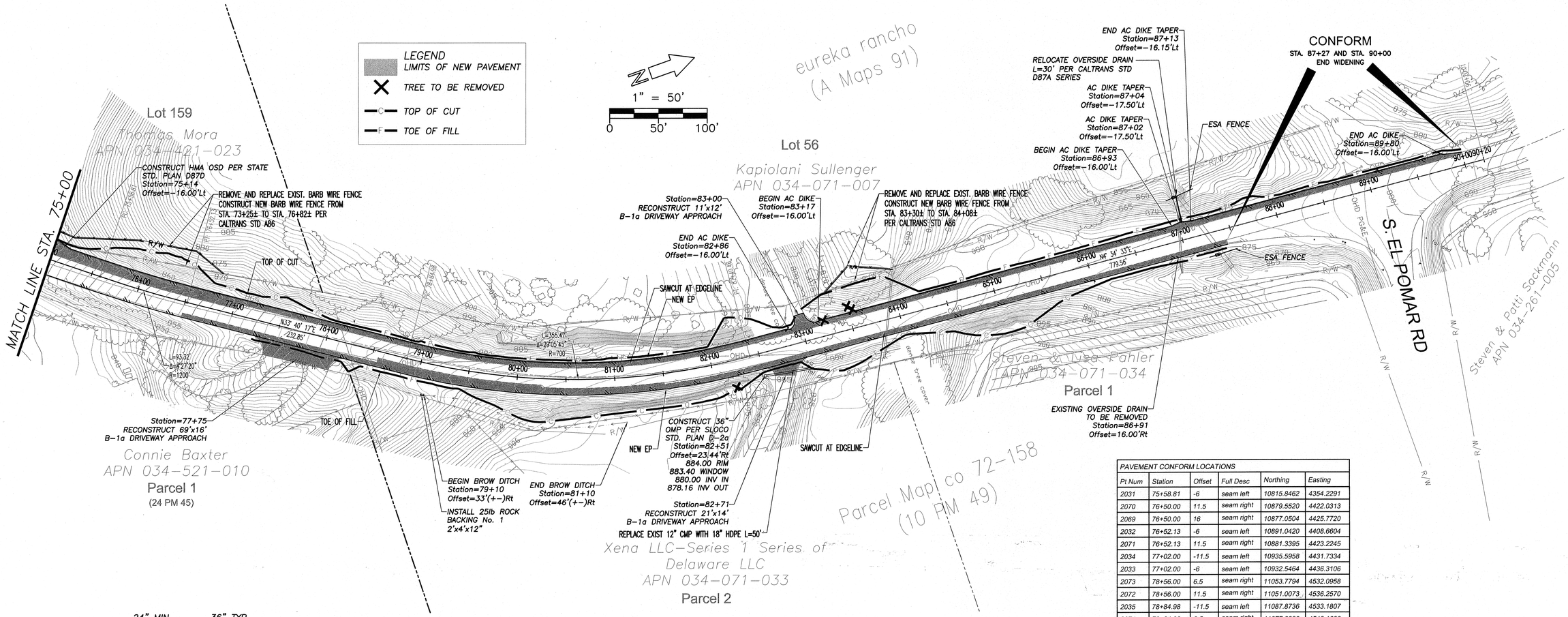
REGISTERED PROFESSIONAL ENGINEER MARK K. DAVIS C 63477 CIVIL STATE OF CALIFORNIA

Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

ROAD WIDENING – TEMPLETON ROAD
PLAN AND PROFILE STA. 66+00 TO 75+00

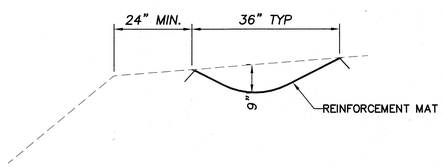
ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	10	17



PLAN

PAVEMENT CONFORM LOCATIONS					
Pt Num	Station	Offset	Full Desc	Northing	Easting
2031	75+58.81	-6	seam left	10815.8462	4354.2291
2070	76+50.00	11.5	seam right	10879.5520	4422.0313
2069	76+50.00	16	seam right	10877.0504	4425.7720
2032	76+52.13	-6	seam left	10891.0420	4408.6604
2071	76+52.13	11.5	seam right	10881.3395	4423.2245
2034	77+02.00	-11.5	seam left	10935.5958	4431.7334
2033	77+02.00	-6	seam left	10932.5464	4436.3106
2073	78+56.00	6.5	seam right	11053.7794	4532.0958
2072	78+56.00	11.5	seam right	11051.0073	4536.2570
2035	78+84.98	-11.5	seam left	11087.8736	4533.1807
2074	78+84.98	6.5	seam right	11077.8938	4548.1608
2075	80+25.00	6.5	seam right	11202.5375	4614.2702
2076	80+25.00	9	seam right	11201.5925	4616.5847
2079	81+50.00	9	seam right	11322.4442	4653.7511
2080	81+50.00	11	seam right	11322.0291	4655.7076
2036	82+40.45	-11.5	seam left	11414.6719	4646.4959
2088	82+40.45	10.98	seam right	11412.8787	4668.9027
2037	85+50.00	-11.5	seam left	11723.2385	4671.1915
2038	85+50.00	-11	seam left	11723.1987	4671.6899
2089	87+43.85	11	seam right	11914.6728	4709.0845
2090	87+43.85	16	seam right	11914.2739	4714.0686
2040	88+75.00	-11.5	seam left	12047.2027	4697.1194
2039	88+75.00	-11	seam left	12047.1628	4697.6178
2042	90+00.00	-13.32	seam left	12171.9496	4705.2753
2041	90+00.00	-11.5	seam left	12171.8042	4707.0916

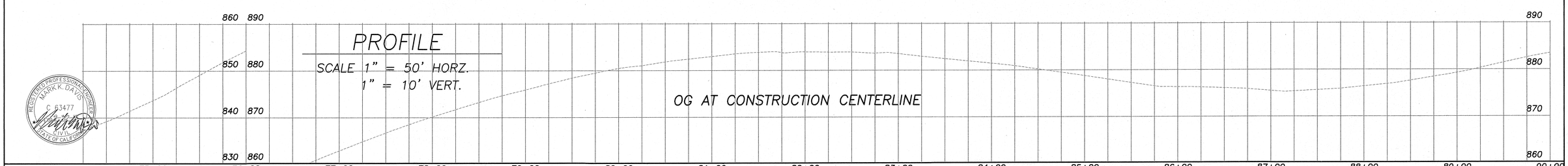
JURISDICTIONAL AREA
STA. 63+75 TO 64+75 RT
STA. 64+30 TO 71+20 LT
WORK WITHIN THESE AREAS IS PERMITTED BETWEEN JUNE 1 AND OCTOBER 1



TYPICAL BROW DITCH SECTION

STA. 79+10 TO 81+10 RT.

N.T.S



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

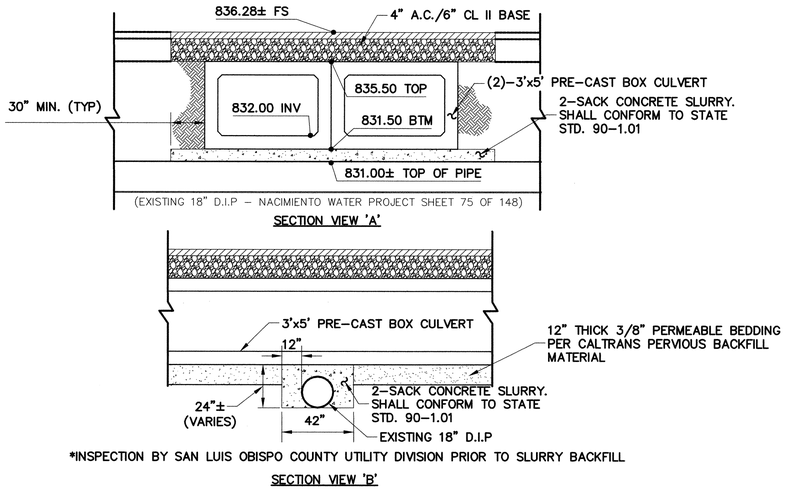
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2011	C COX	7/2011	J WERST	7/2011

0 1 2 3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

ROAD WIDENING – TEMPLETON ROAD

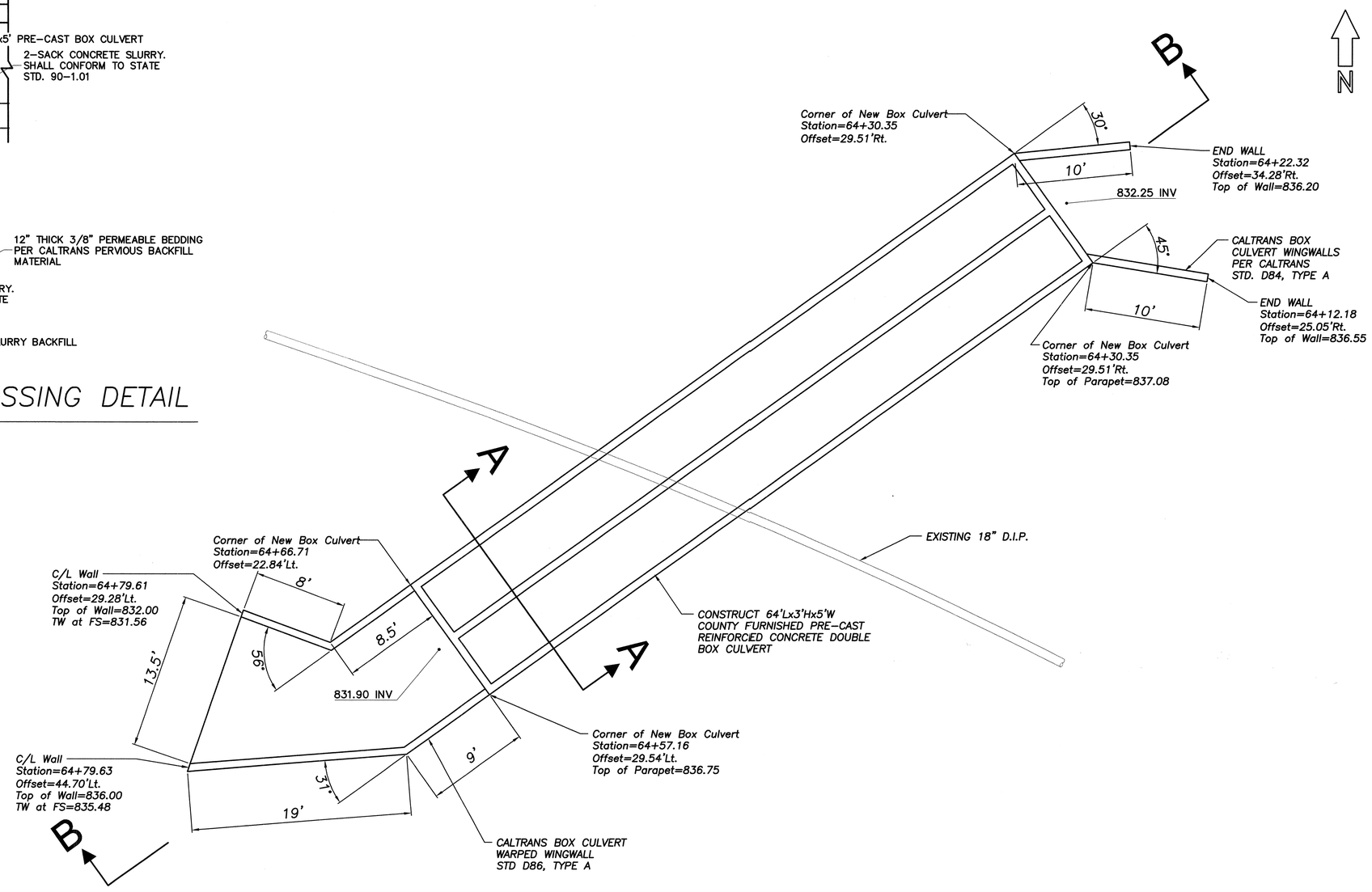
PLAN AND PROFILE STA. 75+00 TO 90+00

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	11	17



18" D.I.P. AND BOX CULVERT CROSSING DETAIL

NOT TO SCALE



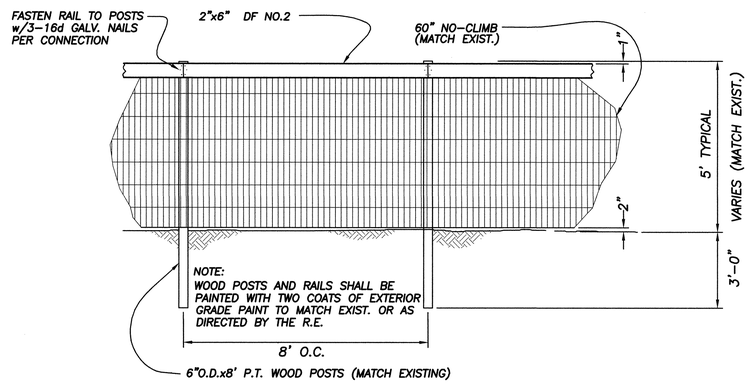
BOX CULVERT DETAIL

NOT TO SCALE

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

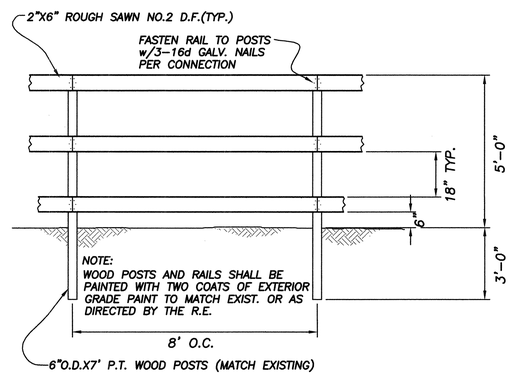
ROAD WIDENING - TEMPLETON ROAD					
CULVERT DETAILS					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	12	17



TOP RAIL

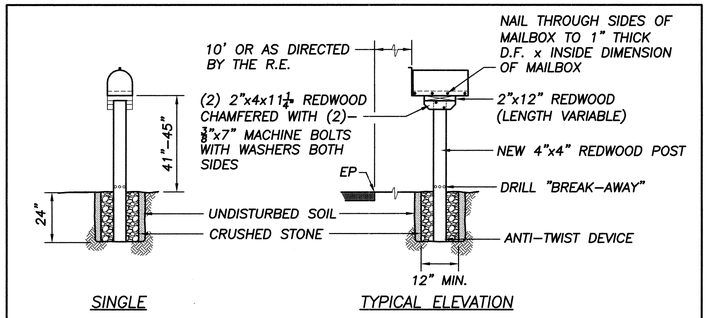
NOT TO SCALE



3-RAIL

NOT TO SCALE

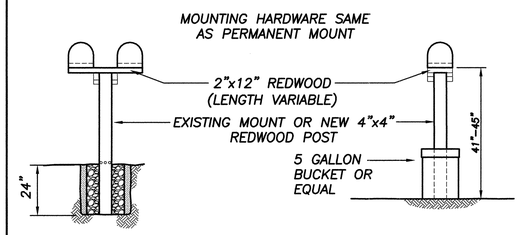
FENCE DETAILS



SINGLE

TYPICAL ELEVATION

PERMANENT MOUNT



DOUBLE

TEMPORARY MOUNT – OKAY DURING COONSTRUCTION

NOTES:
1. CONFORM TO SECTION 7.02 OF CALTRANS TRAFFIC MANUAL, USPS STANDARDS, AND AASHTO ROADSIDE DESIGN GUIDE, CHAPTER 11
2. ALL LUMBER SHALL BE S4S

MAILBOX SUMMARY

STATION	SIDE	QUANTITY
82+92	Right	2 ea.
TOTAL		2 ea.

MAILBOX DETAILS

NO SCALE

Schedule of Trees to be Removed

Station	Offset	Size
53+00	23' Lt.	8" diameter blue oak
53+90	22' Lt.	8" diameter blue oak
54+05	22' Lt.	8" diameter blue oak
54+10	25' Lt.	8" diameter blue oak
55+71	19' Rt.	14" diameter white oak
56+85	22' Rt.	double trunk,18" diameter live oak
60+16	14½' Lt.	36" diameter valley oak
62+29	23' Lt.	40" diameter valley oak
63+70	13' Rt.	39" diameter valley oak (tagged 274)
71+39	18' Rt.	8" diameter valley oak
71+42	18' Rt.	double 8" valley oak
73+57	20½' Rt.	14½" diameter blue oak
73+73	19½' Lt.	9" diameter valley oak
73+79	22' Rt.	double trunk, 6" diameter & 13" diameter blue oak
73+88	22' Rt.	17" diameter valley oak
74+27	16' Lt.	12" diameter valley oak
74+44	20' Lt.	double trunk, 7" diameter & 8½" diameter blue oak
74+54	20½' Lt.	9" diameter blue oak
74+54	21½' Lt.	14" diameter blue oak
74+64	23' Lt.	double trunk, 7½"" diameter & 12" diameter blue oak
74+73	24½' Lt.	triple trunk, 12"" diameter, 15" diameter & 19½" diameter valley oak
74+82	23' Lt.	double trunk, 19" diameter & 20"" diameter blue oak
75+23	33½' Rt.	22" diameter eucalyptus
75+28	34' Rt.	16" diameter eucalyptus
75+35	37½' Rt.	12" diameter eucalyptus
75+56	34' Rt.	double trunk 12" diameter eucalyptus
75+78	35' Rt.	24" diameter eucalyptus
75+93	32½' Rt.	10" diameter eucalyptus
76+03	29' Rt.	18" diameter eucalyptus
82+17	27½' Rt.	double trunk, 12" diameter & 13" diameter (blue oak)
83+17	15½' Lt.	16½" diameter (valley oak)
83+49	18' Lt.	18" diameter pine

Note: Tree sizes, stations and offsets are approximate and shall be field verified by the contractor. All trees that may be affected or need to be removed might not be included on the above list, however, clearing and grubbing limits shall be in full compliance with Section 16 of the Standard Specifications and the Contract Special Provisions.

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

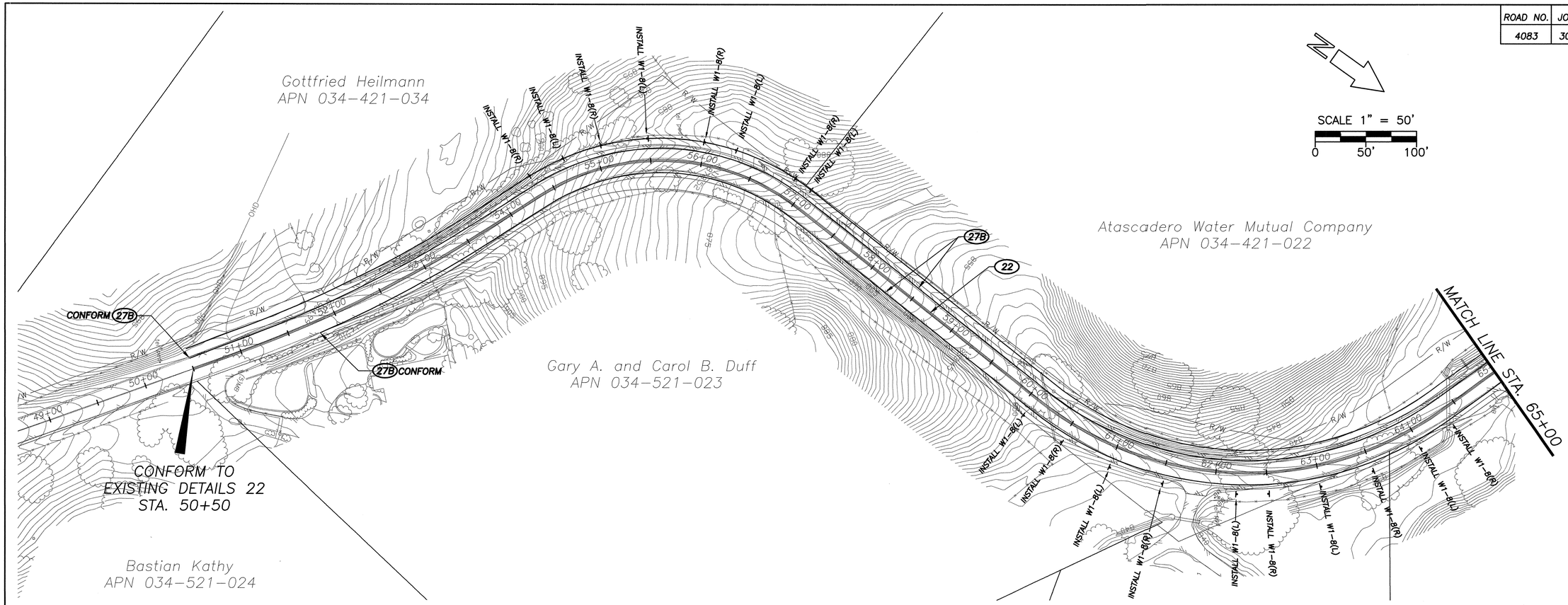
ROAD WIDENING – TEMPLETON ROAD

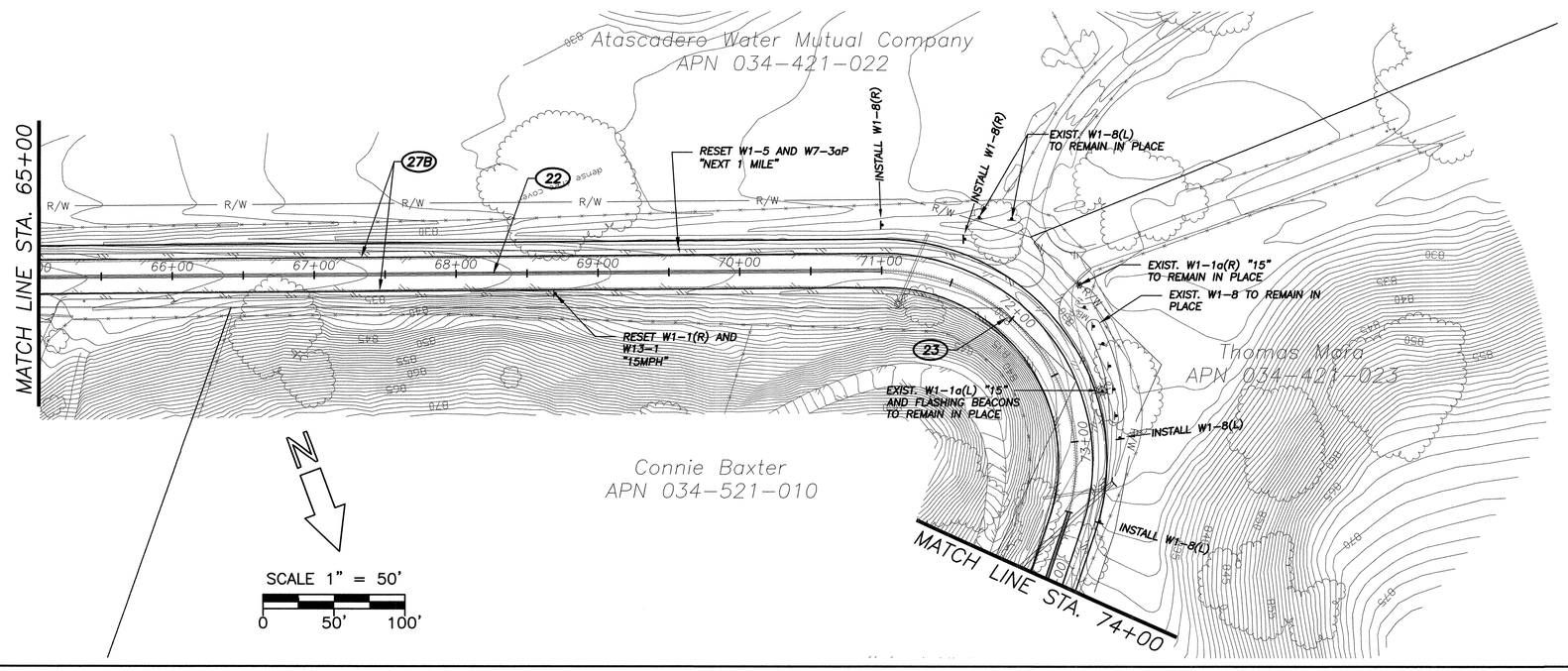
CONSTRUCTION DETAILS

BETWEEN TEMPLETON AND ATASCADERO, CA

Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	13	17





STRIPING NOTES

1. REMOVE EXISTING DETAIL 22 WITHIN PROJECT (STA. 50+50 TO STA 83+00) PER SECTION 15 "MISCELLANEOUS HIGHWAY FACILITIES" OF THE STATE STANDARD SPECIFICATIONS.

2. REMOVE EXISTING DETAIL 27B WITHIN PROJECTS LIMITS (STA 50+50 TO STA 90+00) PER SECTION 15 "MISCELLANEOUS HIGHWAY FACILITIES" OF THE STATE STANDARD SPECIFICATIONS.

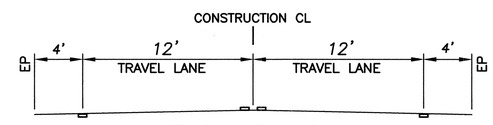
3. REMOVE AND SALVAGE EXISTING TYPE F CLASS 1 DELINEATORS BETWEEN STA 60+00 AND STA 66+00. ALL OTHER DELINEATORS SHALL BE RESET.

4. ALL RUMBLE STRIPS SHALL BE REMOVE AND REPLACED. (BY SLO CO)

5. ALL NEW TRAFFIC LINES SHALL BE PAINT.

6. ALL SALVAGED SIGNS AND MARKERS SHALL BE RETURNED TO 1355 KANSAS AVENUE, SAN LUIS OBISPO, CA 93405.

(##) PAVEMENT DELINEATION DETAIL NUMBER PER STATE STANDARD PLANS, MAY 2006.



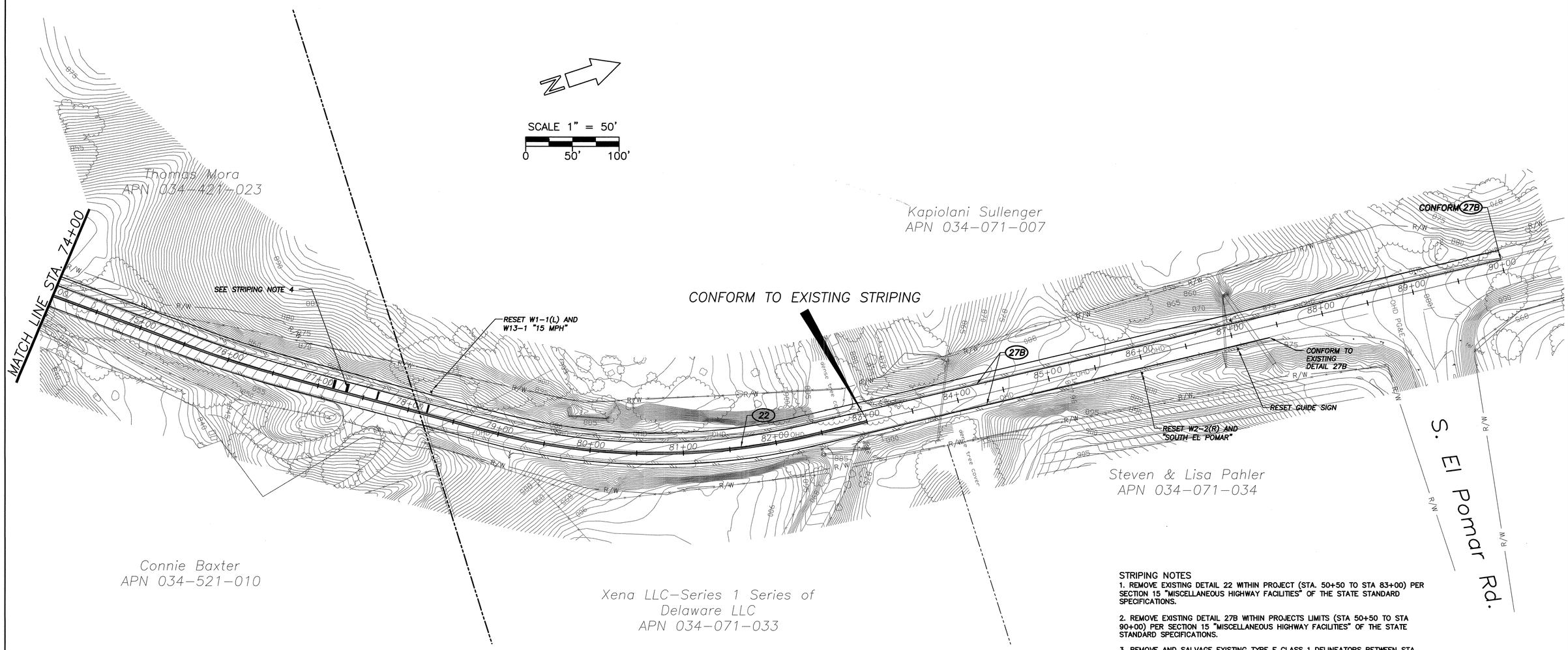
STA. 50+50 TO 90+45+-

TYPICAL SECTION

NO SCALE

ROAD WIDENING – TEMPLETON ROAD					
ROADSIDE SIGN AND STRIPING PLAN					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	14	17



STRIPING NOTES

1. REMOVE EXISTING DETAIL 22 WITHIN PROJECT (STA. 50+50 TO STA 83+00) PER SECTION 15 "MISCELLANEOUS HIGHWAY FACILITIES" OF THE STATE STANDARD SPECIFICATIONS.

2. REMOVE EXISTING DETAIL 27B WITHIN PROJECTS LIMITS (STA 50+50 TO STA 90+00) PER SECTION 15 "MISCELLANEOUS HIGHWAY FACILITIES" OF THE STATE STANDARD SPECIFICATIONS.

3. REMOVE AND SALVAGE EXISTING TYPE F CLASS 1 DELINEATORS BETWEEN STA 60+00 AND STA 66+00. ALL OTHER DELINEATORS SHALL BE RESET.

4. ALL RUMBLE STRIPS SHALL BE REMOVE AND REPLACED. (BY SLO CO)

5. ALL NEW TRAFFIC LINES SHALL BE PAINT.

6. ALL SALVAGED SIGNS AND MARKERS SHALL BE RETURNED TO 1355 KANSAS AVENUE, SAN LUIS OBISPO, CA 93405.

(#) PAVEMENT DELINEATION DETAIL NUMBER PER STATE STANDARD PLANS, MAY 2006.

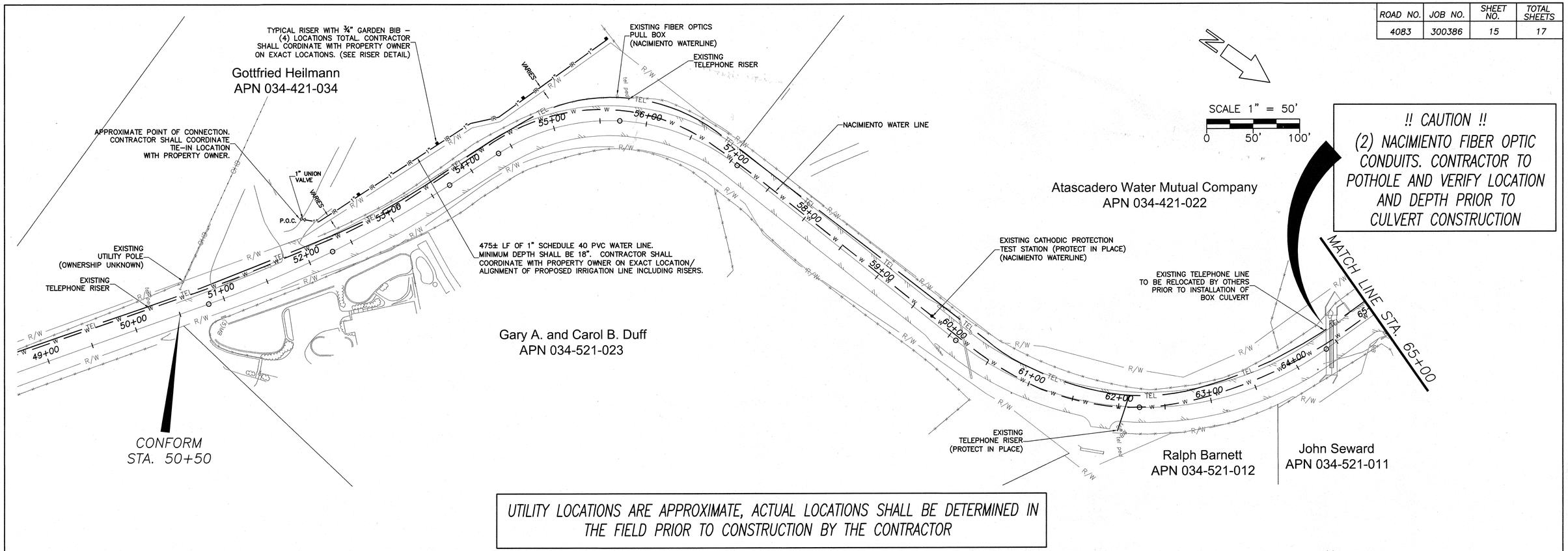
ROAD WIDENING – TEMPLETON ROAD

ROADSIDE SIGN AND STRIPING PLAN

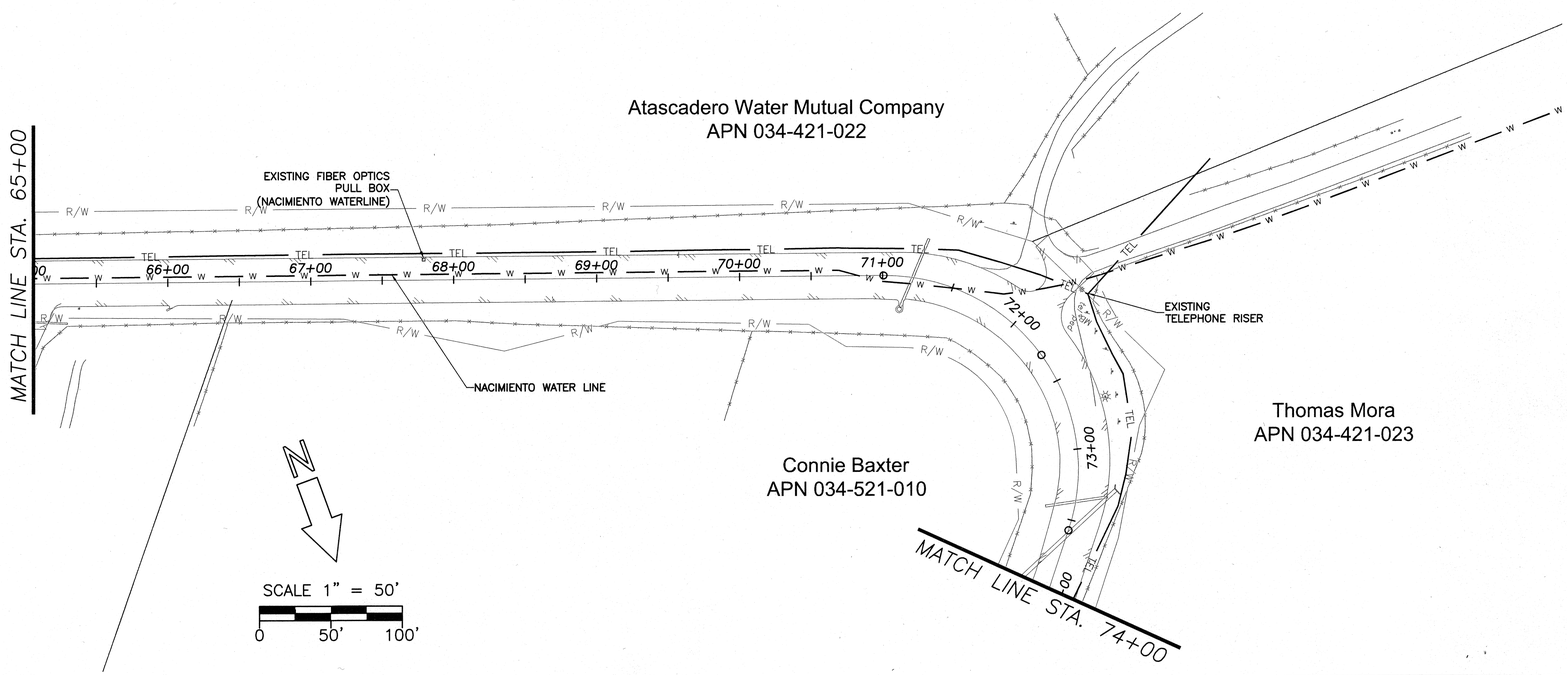
BETWEEN TEMPLETON AND ATASCADERO, CA

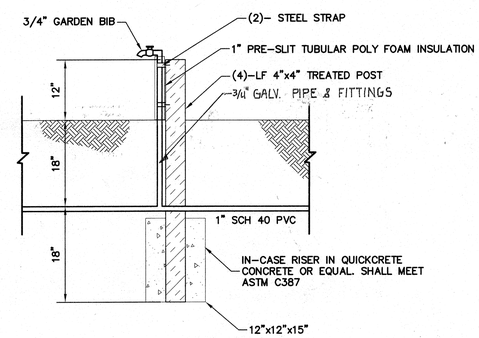
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	15	17



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



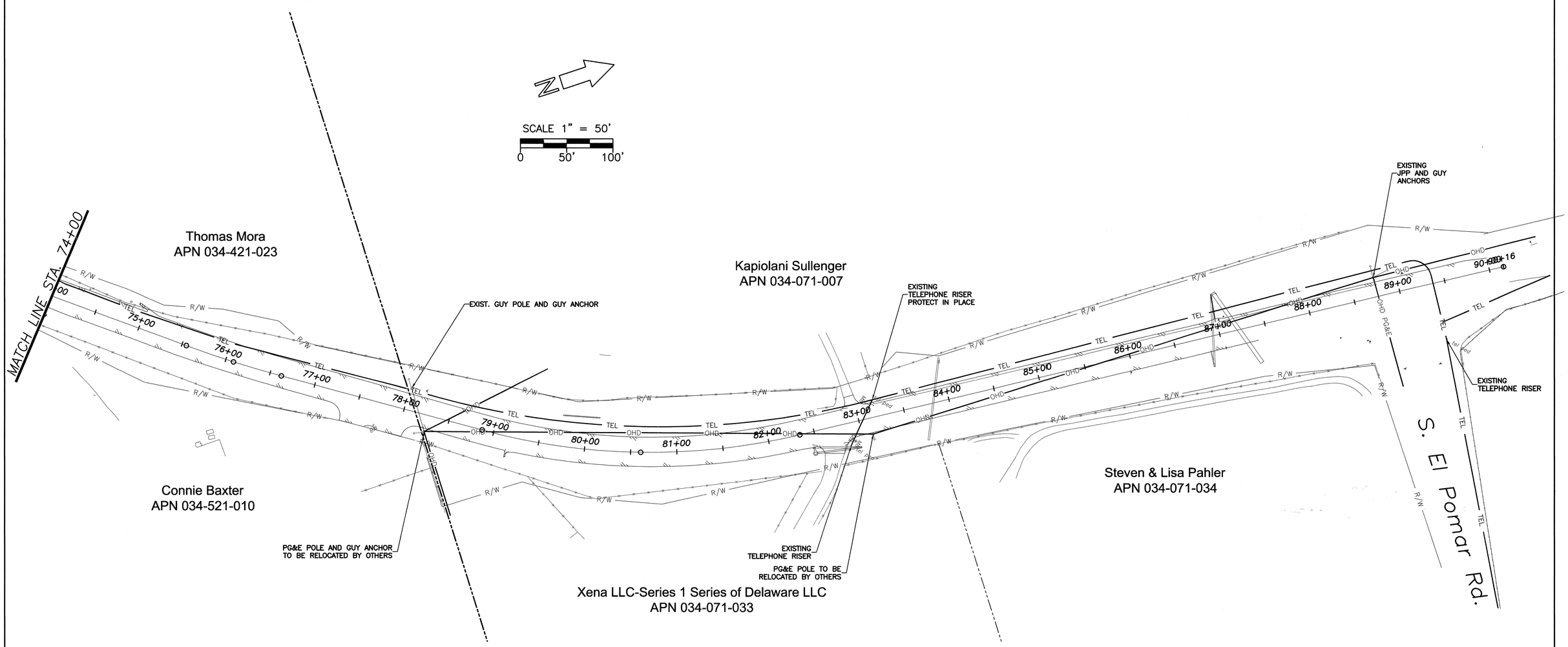


TYPICAL RISER DETAIL
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
MARK K DAVIS
PE NO. 53877
CIVIL
STATE OF CALIFORNIA

ROAD WIDENING – TEMPLETON ROAD					
COMPOSITE UTILITY PLAN					
BETWEEN TEMPLETON AND ATASCADERO, CA					
Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	16	17



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

ROAD WIDENING – TEMPLETON ROAD

COMPOSITE UTILITY PLAN

BETWEEN TEMPLETON AND ATASCADERO, CA

Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
4083	300386	17	17

DRAINAGE QUANTITIES SUMMARY

	HMA MISC AREA – OVERSIDE DRAIN/DWY	18" CSP DOWNDRAIN (0.079")	36" CSP RISER (RURAL INLET – D-2A)	36" CSP (RURAL INLET – D-2B)	ROCK SLOPE PROTECTION (BACKING No. 1, METHOD B)	ROCK SLOPE PROTECTION FABRIC	EROSION CONTROL (HYDROSEED)	BROW DITCH	SUB-DRAIN (FRENCH DRAIN)	18" HDPE/18" CMP CULVERT	30" HDPE CULVERT	FURNISH PRECAST CONC BOX CULVERT	INSTALL PRECAST CONC BOX CULVERT	CONCRETE HEADWALL	REMOVE CULVERTS (2')	REMOVE OVERSIDE DRAIN	STATION
	SF	LF	EA	EA	CY	SF	SF	LF	LF	LF	LF	LF	LF	CY	LF	EA	
SHEET NO. 8	838																STA. 56+72.0 16' LT, STA. 59+71.0 16' LT, STA. 59+87.0 16' RT, STA. 64+81.0 16' LT
					4	124											STA. 59+81.0 22' LT, STA. 59+97.0 22' RT, STA. 64+80.0 29' LT
							12609										VARIES
										12							STA. 59+95, 23' LT
												32	128	25	50		STA. 64+25.87, 26.27' RT, STA. 64+61.94 26.20' LT
SHEET NO. 9	70																STA. 66+04 16' RT, STA. 71+13 16' RT
				1						5							STA. 71+13.0 23.5' RT, STA. 71+29, 32.44' LT
					1	56											STA. 60+45, 23.29' LT
							4621										VARIES
									500								STA. 66+04.0 – STA. 68+00.0, STA. 68+00.0 – STA. 71+13.0
											90			4	35		STA. 73+30.0 23.25' LT – STA. 74+06.0 25' RT
SHEET NO. 10	1565																STA. 75+14.0 16' LT
		20															STA. 87+03.0 16' LT
			1														STA. 82+51.0 23.25' RT
					2	112											STA. 75+14.0 16' LT, STA. 79+10.0 22' RT
							20005										VARIES
								200									STA. 79+10.0 22' RT – 81+10.0 40' RT
										50							STA. 82+51.0 23.25' RT – STA. 83+01.0 29' RT
															53		STA. 82+49.5 16' RT – STA. 83+01.0 29' RT
																1	STA. 86+91.0 15' RT
TOTAL	2473	20	1	1	7	292	37235	200	500	67	90	32	128	29	138	1	

ROADWAY QUANTITIES SUMMARY

	SAWCUT	REMOVE ASPHALT CONCRETE SURFACING	HOT MIX ASPHALT (TYPE A)	COLD PLANE ASPHALT CONCRETE (0.15')	AC DIKE	CLASS 2 BASE	SHOULDER BACKING – RED ROCK	ROADWAY EXCAVATION	ESA FENCE	SET NEW SURVEY MONUMENT AND WELL	RECONSTRUCT FENCE (BW)	RECONSTRUCT FENCE (3-RAIL)	RECONSTRUCT FENCE (TOP RAIL)	STATION
	LF	SF	TON	SY	LF	CY	CY	CY	LF	EA	LF	LF	LF	
SHEET NO. 8	2815													STA. 50+95.0 – STA. 66+00.0
		7020												STA. 50+95.0 – STA. 66+00.0 (ASSUME 3" SECTION)
			415											STA. 50+95.0 – STA. 66+00.0 (4" SECTION)
				58										STA. 64+30.0 – STA. 64+60.0
					1680									STA. 50+95.0 – STA. 66+00.0
						565								STA. 50+95.0 – STA. 66+00.0
							34							STA. 50+95.0 – STA. 66+00.0
								2069						STA. 50+50.0 – STA. 65+00.0
									20					STA. 64+00
										6				STA. 55+61±, STA. 61+74±, STA. 64+57±
											764			STA. 52+03 – STA. 54+85, STA. 60+53 – 63+04 STA. 63+44 – STA. 66+00
												110		STA. 63+82 – STA. 64+71
SHEET NO. 9	1600												41	STA. 64+71 – STA. 64+89
		9180												STA. 66+00.0 – STA. 75+00.0
			250											STA. 66+00.0 – STA. 75+00.0 (ASSUME 3" SECTION)
				175										STA. 66+00.0 – STA. 75+00.0 (4" SECTION)
					530									STA. 73+34.0 – STA. 73+94.0
						330								STA. 66+04.0 – STA. 71+18.0
							26							STA. 66+00.0 – STA. 75+00.0
								854						STA. 66+00.0 – STA. 75+00.0
									560					STA. 64+00, 68+00–69+50, 71+10–71+80, 72+30–72+50, 73+10
										2				STA. 71+84±, STA. 72+68±
											776			STA. 66+00 – 71+60, 73+25 – 75+00
SHEET NO. 10	2612												182	STA. 67+27 – STA. 69+05
		7128												STA. 75+00.0 – STA. 90+00.0
			376											STA. 75+00.0 – STA. 90+00.0 (ASSUME 3" SECTION)
					1470									STA. 75+00.0 – STA. 90+00.0 (4" SECTION)
						466								STA. 75+00.0 – STA. 90+00.0
							35							STA. 75+00.0 – STA. 90+00.0
								1047						STA. 76+50.0± – STA. 87+27.0
									60					STA. 87+00, 87+30
											262			STA. 75+00 – STA. 76+82, STA. 83+30 – 84+02
TOTAL	7030	23328	1041	233	3680	1361	95	3970	640	9	1802	110	223	

SIGN & STRIPING QUANTITIES SUMMARY

	REMOVE DETAIL 22 STRIPE	REMOVE DETAIL 27B STRIPE	REMOVE MARKERS	REMOVE DELINEATORS	DETAIL 22 STRIPE	DETAIL 27B STRIPE	ROADSIDE SIGN (1-POST) W1-8	RESET ROADSIDE SIGN (1-POST)	DETAIL 23	STATION
	LF	LF	EA	EA	LF	LF	EA	EA	LF	
SHEET NO. 13	2350									STA. 50+50.0 – STA. 74+00.0
		4500								STA. 50+50.0± – STA. 74+00.0
			117							STA. 50+50.0 – STA. 74+00.0
				14						STA. 50+50.0 – STA. 74+00.0
					2450					STA. 50+50.0 – STA. 74+00.0
						4504				STA. 50+50.0 – STA. 74+00.0
							22			STA. 54+40.0 – STA. 57+00.0, STA. 60+00.0 STA. 64+40, STA. 71+00.0 – STA. 73+50.0
								2		STA. 68+60.0, STA. 69+55.0
									300	STA. 71+00.0 – STA. 74+00.0
SHEET NO. 14	900									STA. 74+00.0 – STA. 83+00.0
		2691								STA. 74+00.0 – STA. 90+00.0
			45							STA. 74+00.0 – STA. 90+00.0
				10						STA. 74+00.0 – STA. 90+00.0
					900					STA. 74+00.0 – STA. 83+00.0
						3070				STA. 74+00.0 – STA. 90+00.0
								3		STA. 78+15.0, STA. 86+00.0, STA. 87+00.0
TOTAL	3250	7191	162	24	3350	7574	22	5	300	

ROAD WIDENING – TEMPLETON ROAD

QUANTITY SUMMARY

BETWEEN TEMPLETON AND ATASCADERO, CA

Designer	Date	Drawn By	Date	Design Engineer	Date
M DAVIS	7/2012	C COX	7/2012	J WERST	7/2012

V:\4/TOCO\CIVIL 3D\PROJECTS\CIVIL 3D 2013\Alternatives\Templeton Road\Site 00-00 to 99-00\Civil Drawings\Quantity Summary.dwg 7/17/2012 11:09:01 AM ADC-COX