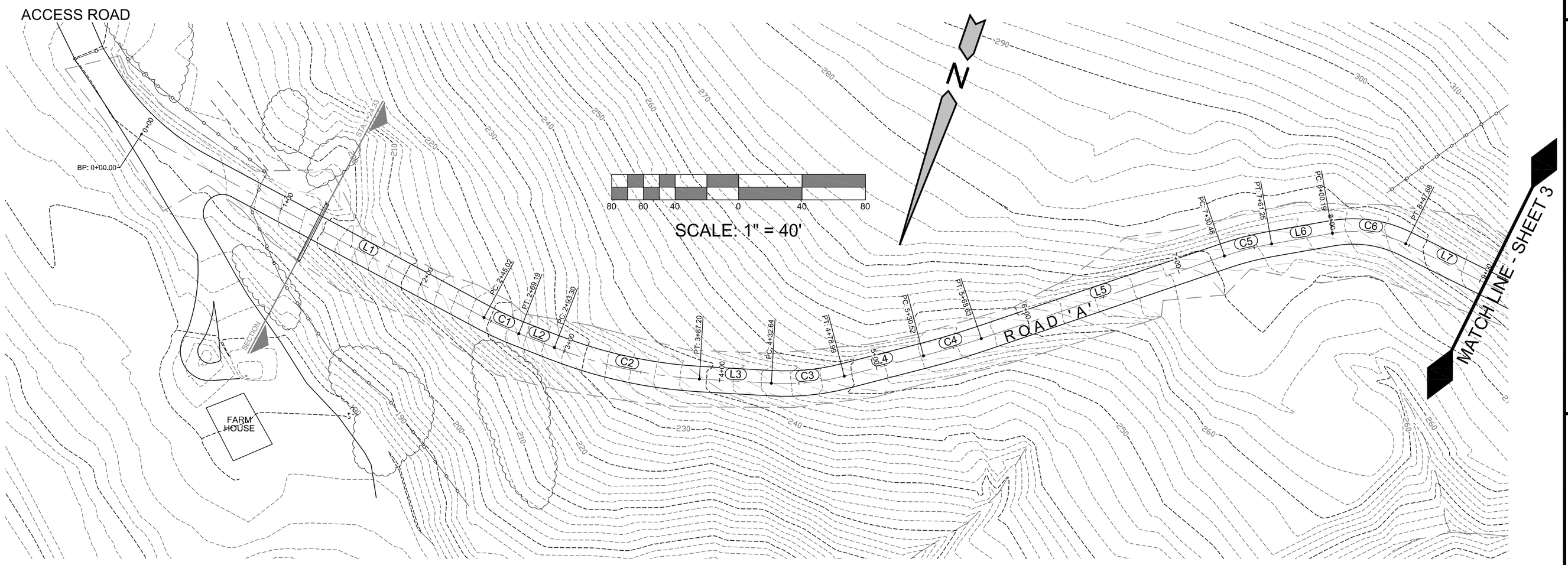
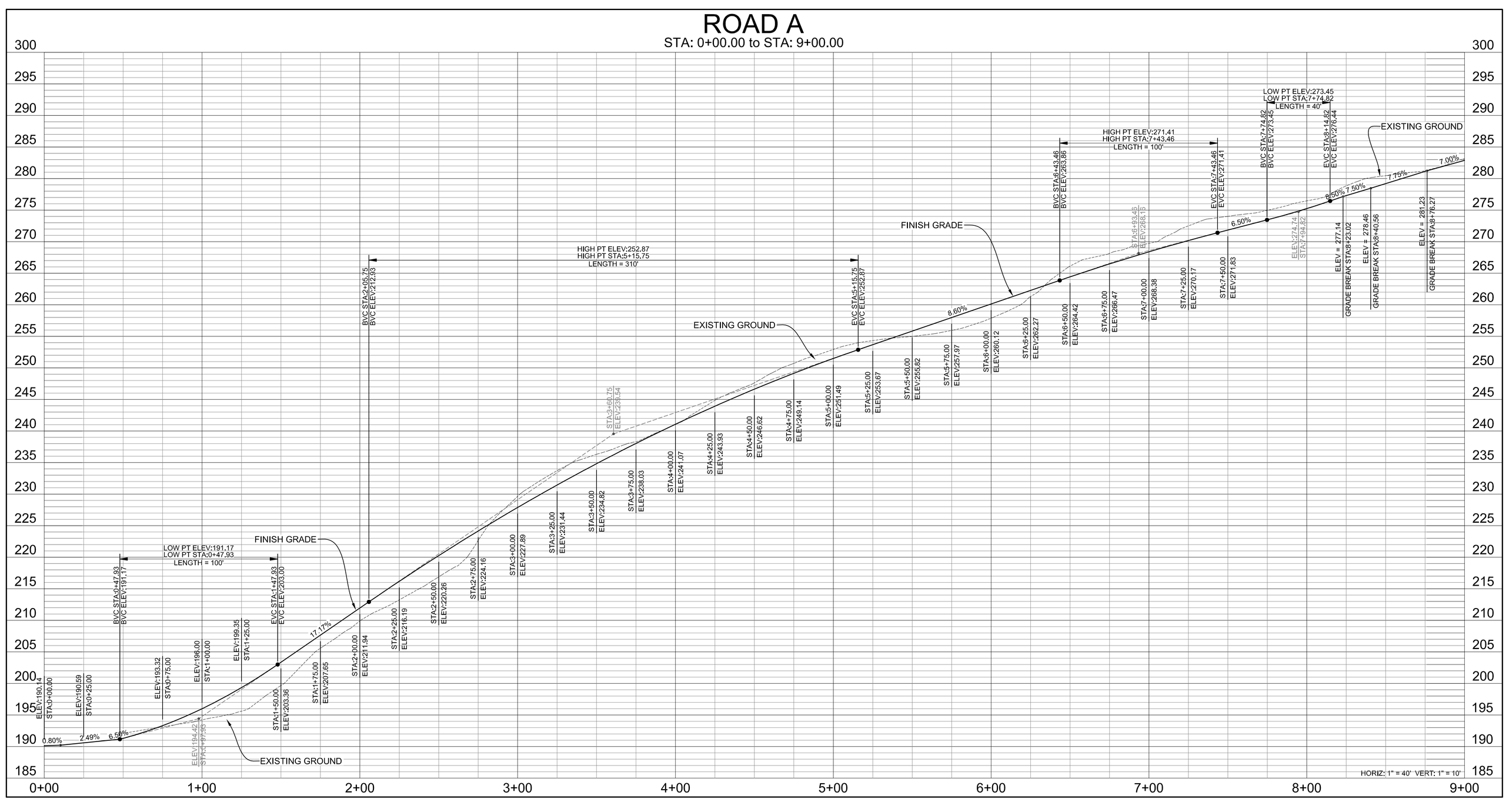


ROAD A

STA: 0+00.00 to STA: 9+00.00



CENTERLINE DATA

ROAD A				
SEGMENT	LENGTH	BEARING	RADIUS	DELTA (Δ)
L1	245.02'	N80°53'42"W	- - -	- - -
C1	24.17'	- - -	200.00	6°55'31"
L2	24.11'	N87°49'12"W	- - -	- - -
C2	93.90'	- - -	300.00	17°56'00"
L3	45.44'	S74°14'48"W	- - -	- - -
C3	46.36'	- - -	150.00	17°42'26"
L4	51.53'	S56°32'22"W	- - -	- - -
C4	38.10'	- - -	500.00	4°21'59"
L5	161.86'	S52°10'23"W	- - -	- - -
C5	30.76'	- - -	200.00	8°48'47"
L6	38.94'	S60°59'10"W	- - -	- - -
C6	47.49'	- - -	75.00	36°16'53"
L7	101.95'	N82°43'57"W	- - -	- - -

SCOPE OF WORK

AS-BUILT PLAN:

CUT: 555 CY
FILL: 454 CY
TOTAL EARTHWORK: 1009 CY

REMEDIAL WORK:

AREA - NO REMEDIAL WORK BETWEEN STA 0+00 TO STA 9+00

NOTE: EXTENT OF REMEDIAL WORK TO BE CONSIDERED PER ENGINEERING GEOLOGIST AT THE TIME OF MITIGATION. SEE GEOSOLUTIONS GEOLOGY REPORT NO. SLO6539-3, 2-26-10.

TOTAL REMEDIAL EARTHWORK

TOTAL EARTHWORK: 0 CY

REVISION

REVISION	DESCRIPTION	ISSUE DATE	BY

PROJECT ENGINEER

DATED

REGISTERED PROFESSIONAL ENGINEER * MATT PRIESS * RCE 69213 Exp. 6/30/10 CIVIL * STATE OF CALIFORNIA

GRANITE RIDGE
ENGINEERING GROUP
240 DAFFODIL AVE. NIPOMO CA 93444
(805) 720-2958 www.graniteridgegroup.com

ROAD A
STA 0+00 TO STA 9+00

VERFIY SCALE
BAR IS ONE INCH
0 1"

SHEET DATA

Job Name:	MIRAMONTE RANCH
Cad File:	AS BUILT GRADING
Plot Date:	5-11-2011
Drawn By:	MP
Sheet	2 OF 21

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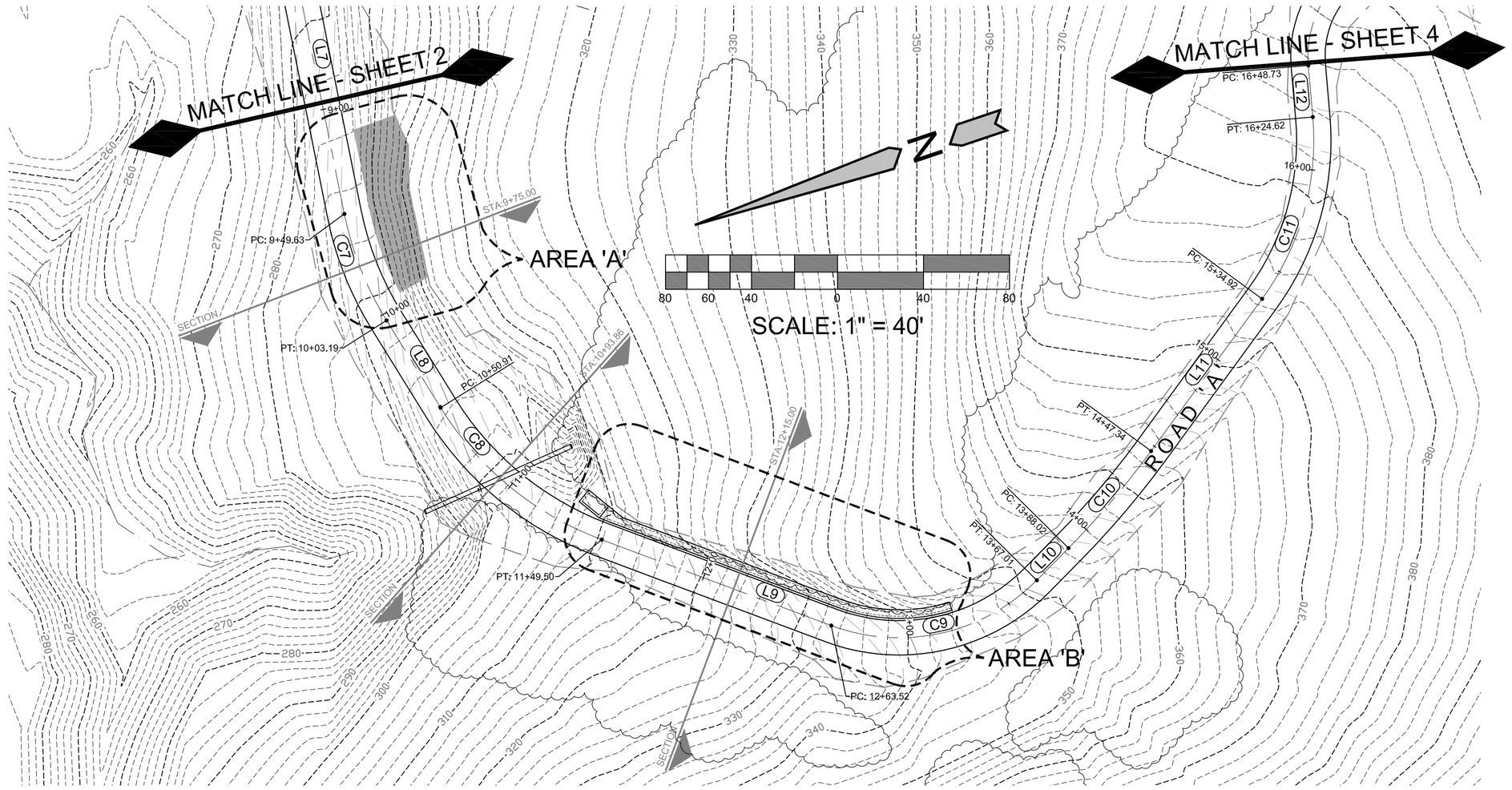
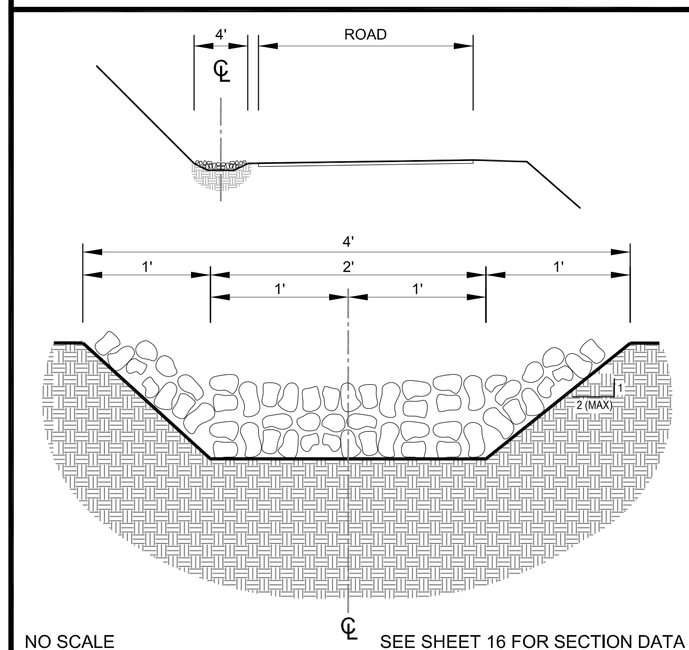


SWALE SECTION



NO SCALE

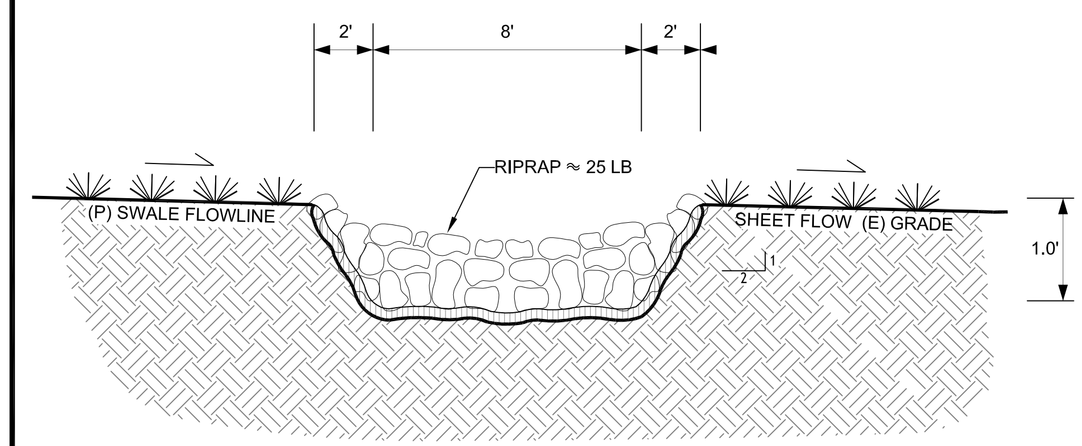
SEE SHEET 16 FOR SECTION DATA

CENTERLINE DATA

ROAD A

SEGMENT	LENGTH	BEARING	RADIUS	DELTA (Δ)
L7	101.95'	N82°43'57"W	- - -	- - -
C7	53.56'	- - -	150.00	20°27'32"
L8	47.72'	S76°48'31"W	- - -	- - -
C8	98.59'	- - -	150.00	37°39'33"
L9	114.02'	S39°08'58"W	- - -	- - -
C9	103.49'	- - -	90.00	65°53'02"
L10	21.01'	S26°44'04"E	- - -	- - -
C10	59.31'	- - -	400.00	8°29'46"
L11	87.58'	S35°13'51"E	- - -	- - -
C11	89.71'	- - -	125.00	41°07'08"
L12	24.11'	S76°20'58"E	- - -	- - -

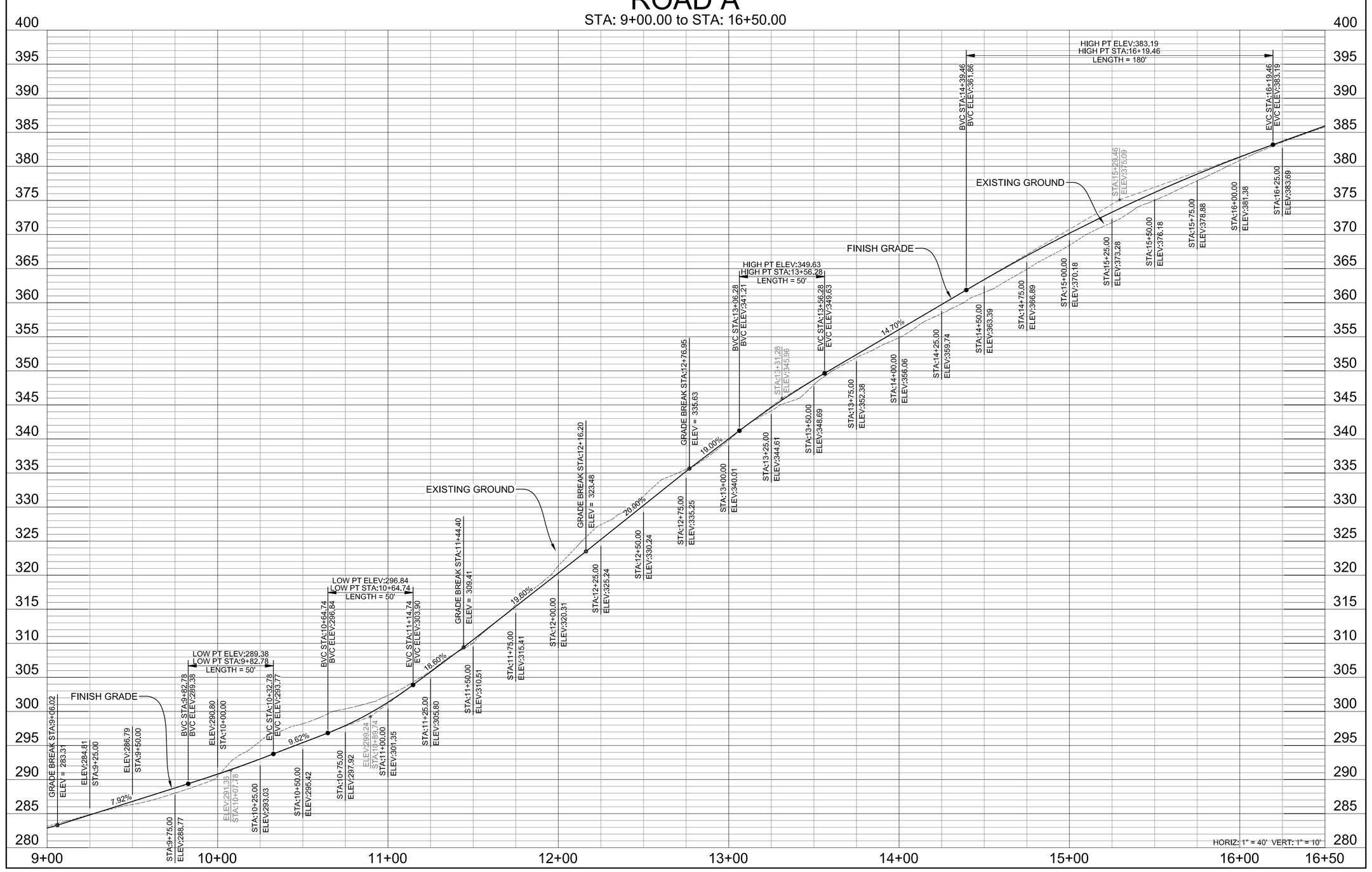
ENERGY DISSIPATER



SCALE: 1" = 4'

ROAD A

STA: 9+00.00 to STA: 16+50.00



SCOPE OF WORK

AS-BUILT PLAN:

CUT:	797 CY
FILL:	974 CY
TOTAL EARTHWORK:	1771 CY

REMEDIAL WORK:

AREA 'A'

CUT/FILL: 77 CY

DESCRIPTION: REMOVE LOOSE MATERIAL & COVER WITH EROSION MATTING OR ROCK ARMORING.
ALTERNATE - REMOVE LOOSE MATERIAL & ARMOR THE SLOPE FACE WITH ROCK BOULDERS (BACKING STONE CLASS SIZE).

AREA 'B'

CUT/FILL: 26 CY

DESCRIPTION:
INSTALL DRAINAGE SWALE AT BASE OF FILL SLOPE.
A) RECONSTRUCT WITH NATIVE MATERIAL, COMPACTED AND COVERED WITH ROCK ARMOR.
B) RCE TO DESIGN AN ENERGY DISSIPATER SYSTEM.

NOTE: EXTENT OF REMEDIAL WORK TO BE CONSIDERED PER ENGINEERING GEOLOGIST AT THE TIME OF MITIGATION. SEE GEOSOLUTIONS GEOLOGY REPORT NO. SLO6539-3, 2-26-10.

PROJECT STATISTICS TABLE

	CUT	FILL	TOTAL EARTHWORK	MAX CUT	MAX FILL	AVG SLOPE	AREA OF DISTURBANCE
REMEDIAL AREA 'A'	73 CY	4 CY	77 CY	2.08 FT	0.17 FT	8.0%	2,003 SF
REMEDIAL AREA 'B'	26 CY	NA	26 CY	2.00 FT	0.00 FT	19.0%	779 SF
REMEDIAL TOTAL			103 CY				2,782 SF

REVISION	DESCRIPTION	ISSUE DATE	BY

REVISION

PROJECT ENGINEER

DATED

REGISTERED PROFESSIONAL ENGINEER * MATT PRIESS * RCE 69213 Exp. 6/30/10 CIVIL * STATE OF CALIFORNIA

GRANITE RIDGE ENGINEERING GROUP
240 DAFFODIL AVE. NIPOMO CA 93444
(805) 720-2958 www.graniteridgegroup.com

ROAD A
STA 9+00 TO STA 16+50

VERFIY SCALE BAR IS ONE INCH
0 1"

SHEET DATA	
Job Name: MIRAMONTE RANCH	
Cad File: AS BUILT GRADING	
Plot Date:	5-11-2010
Drawn By:	MP
Sheet	3 OF 21

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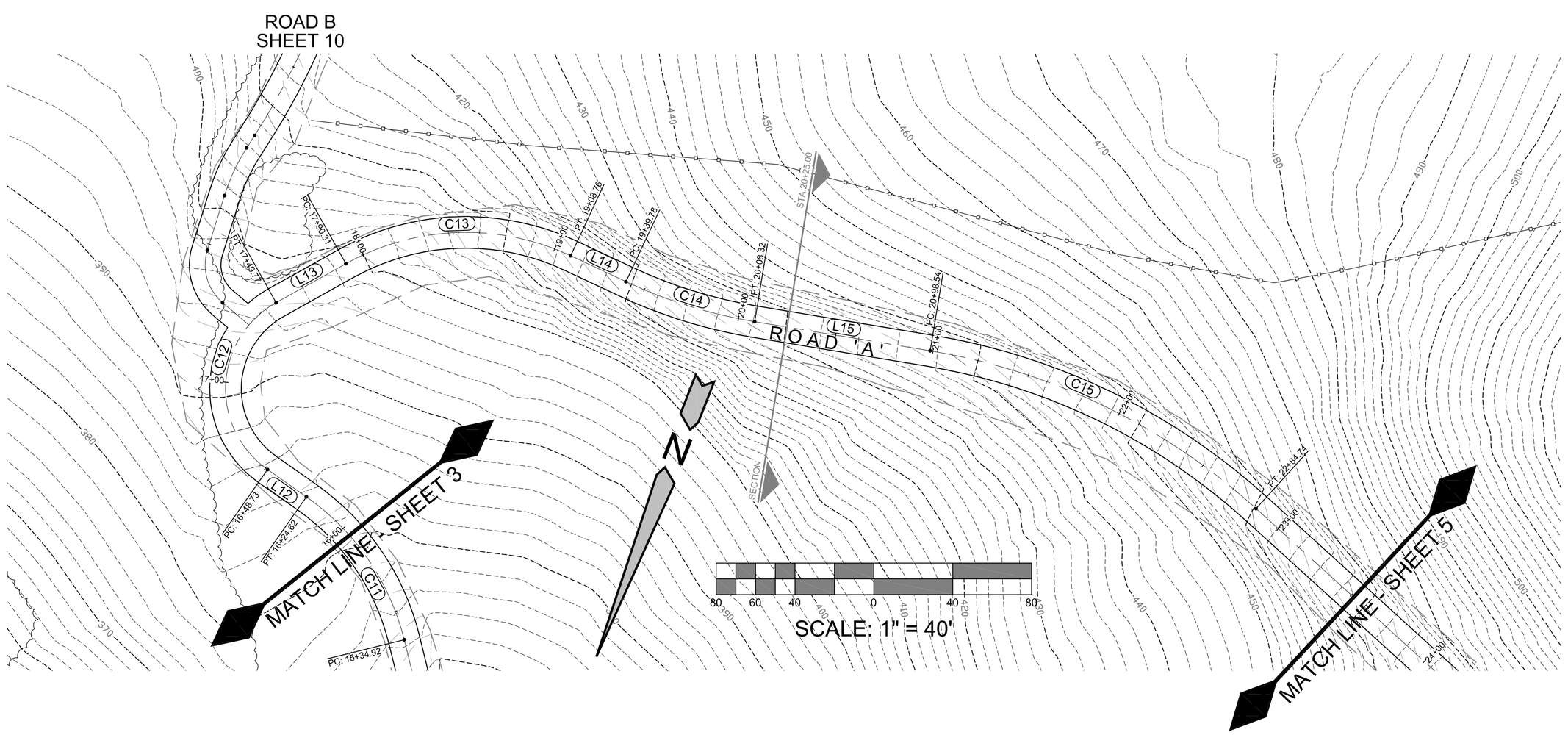

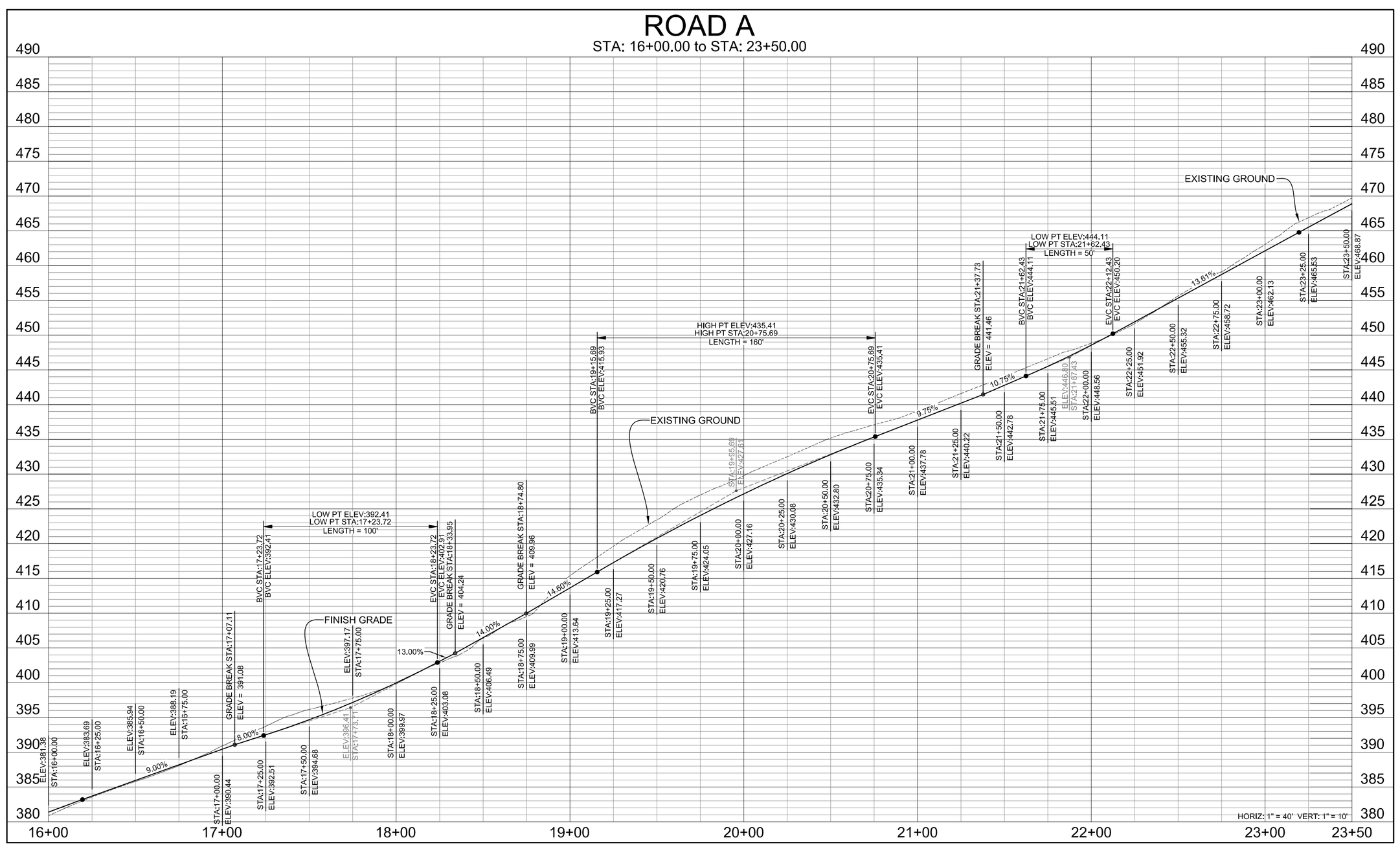

CENTERLINE DATA

ROAD A

SEGMENT	LENGTH	BEARING	RADIUS	DELTA (Δ)
C11	89.71'	- - -	125.00	41°07'08"
L12	24.11'	S76°20'58"E	- - -	- - -
C12	101.03'	- - -	50.00	115°46'38"
L13	40.54'	S39°25'40"W	- - -	- - -
C13	118.45'	- - -	125.00	54°17'40"
L14	31.02'	N86°16'40"W	- - -	- - -
C14	68.53'	- - -	250.00	15°42'25"
L15	90.22'	S78°00'55"W	- - -	- - -
C15	186.20'	- - -	325.00	32°49'31"

SCOPE OF WORK

AS-BUILT PLAN:

CUT:	627 CY
FILL:	513 CY
TOTAL EARTHWORK:	1140 CY

REMEDIAL WORK:

AREA - NO REMEDIAL WORK BETWEEN STA 16+00 TO STA 23+50

NOTE: EXTENT OF REMEDIAL WORK TO BE CONSIDERED PER ENGINEERING GEOLOGIST AT THE TIME OF MITIGATION. SEE GEOSOLUTIONS GEOLOGY REPORT NO. SLO6539-3, 2-26-10.

TOTAL REMEDIAL EARTHWORK

TOTAL EARTHWORK: 0 CY

REVISION	DESCRIPTION	ISSUE DATE	BY

PROJECT ENGINEER

DATED

REGISTERED PROFESSIONAL ENGINEER • WALT PRIESS • RCE 69213 Exp. 6/30/10 • CIVIL • STATE OF CALIFORNIA

GRANITE RIDGE ENGINEERING GROUP
240 DAFFODIL AVE. NIPOMO CA 93444
(805)720-2958 www.graniteridggroup.com

ROAD A
STA 16+00 TO STA 23+50

VERFIY SCALE
BAR IS ONE INCH
0 1"

SHEET DATA	
Job Name: MIRAMONTE RANCH	
Cad File:	AS BUILT GRADING
Plot Date:	5-11-2011
Drawn By:	MP
Sheet	4 OF 21

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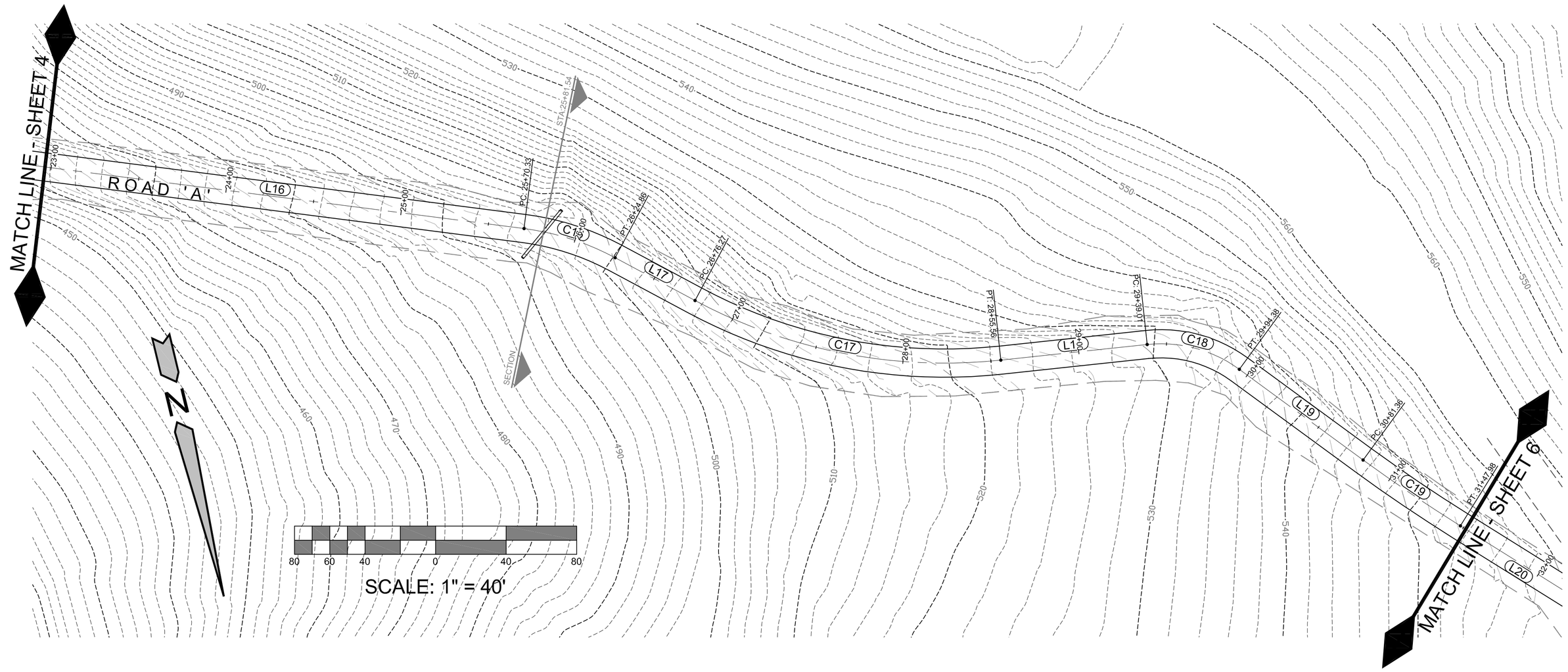

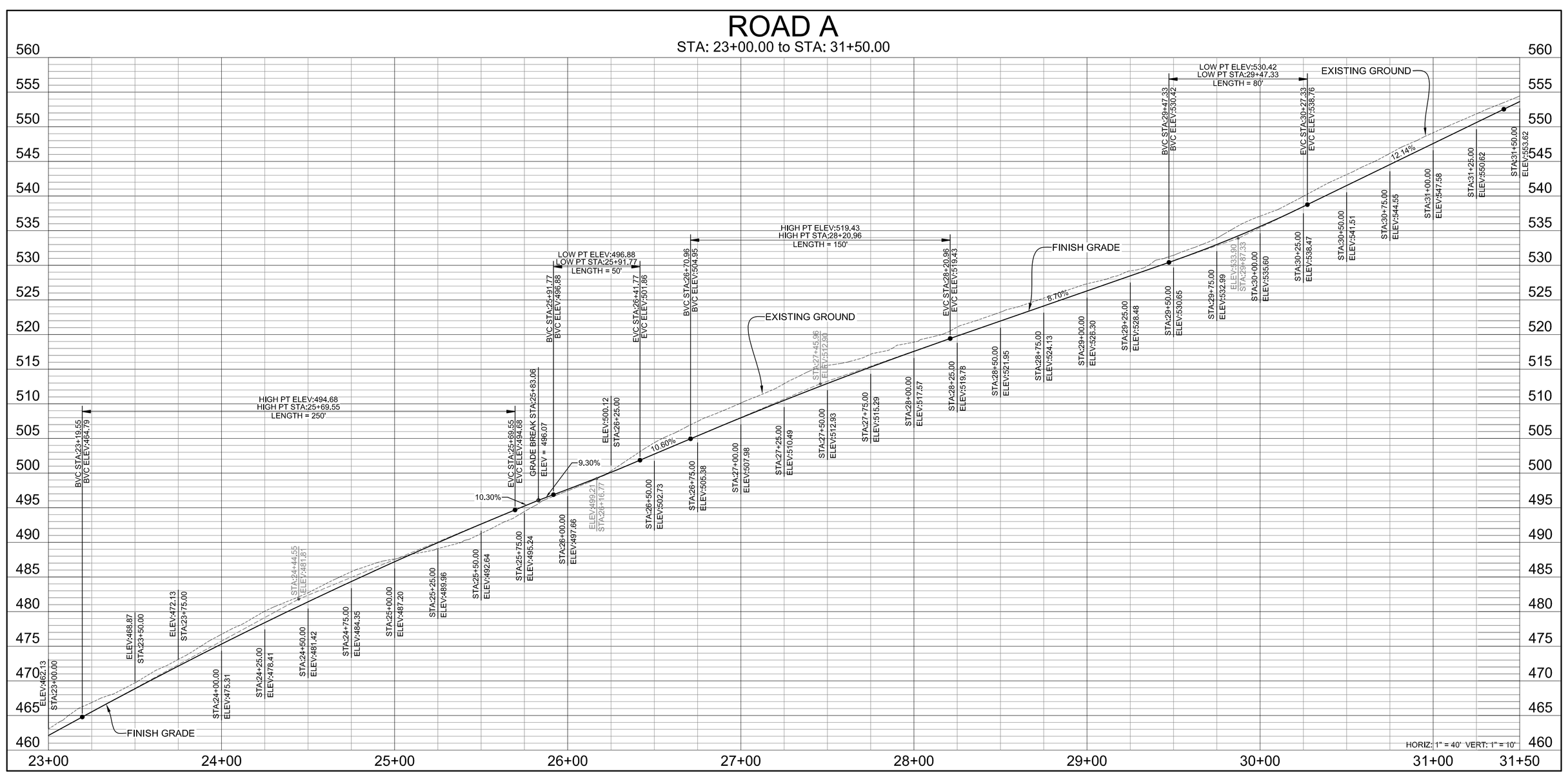

CENTERLINE DATA

ROAD A				
SEGMENT	LENGTH	BEARING	RADIUS	DELTA (Δ)
L16	285.60'	N69°09'34"W	- - -	- - -
C16	54.53'	- - -	150.00	20°49'44"
L17	51.40'	N48°19'50"W	- - -	- - -
C17	179.29'	- - -	300.00	34°14'33"
L18	83.45'	N82°34'23"W	- - -	- - -
C18	55.37'	- - -	75.00	42°18'01"
L19	86.98'	N40°16'22"W	- - -	- - -
C19	66.61'	- - -	900.00	4°14'26"
L20	89.50'	N44°30'48"W	- - -	- - -

SCOPE OF WORK

AS-BUILT PLAN:

CUT:	630 CY
FILL:	769 CY
TOTAL EARTHWORK:	1399 CY

REMEDIAL WORK:

AREA - NO REMEDIAL WORK BETWEEN STA 23+00 TO STA 31+50

NOTE: EXTENT OF REMEDIAL WORK TO BE CONSIDERED PER ENGINEERING GEOLOGIST AT THE TIME OF MITIGATION. SEE GEOSOLUTIONS GEOLOGY REPORT NO. SLO6539-3, 2-26-10.

TOTAL REMEDIAL EARTHWORK

TOTAL EARTHWORK: 0 CY

REVISION	DESCRIPTION	ISSUE DATE	BY

PROJECT ENGINEER

DATED

REGISTERED PROFESSIONAL ENGINEER • MATT PRIESS • RCE 69213 Exp. 6/30/10 • CIVIL • STATE OF CALIFORNIA

GRANITE RIDGE ENGINEERING GROUP
240 DAFFODIL AVE. NIPOMO CA 93444
(805) 720-2958 www.graniteridgegroup.com

ROAD A
STA 23+00 TO STA 31+50

VERFIY SCALE
BAR IS ONE INCH
0 1"

SHEET DATA	
Job Name: MIRAMONTE RANCH	
Cad File:	AS BUILT GRADING
Plot Date:	5-11-2010
Drawn By:	MP
Sheet	5 OF 21

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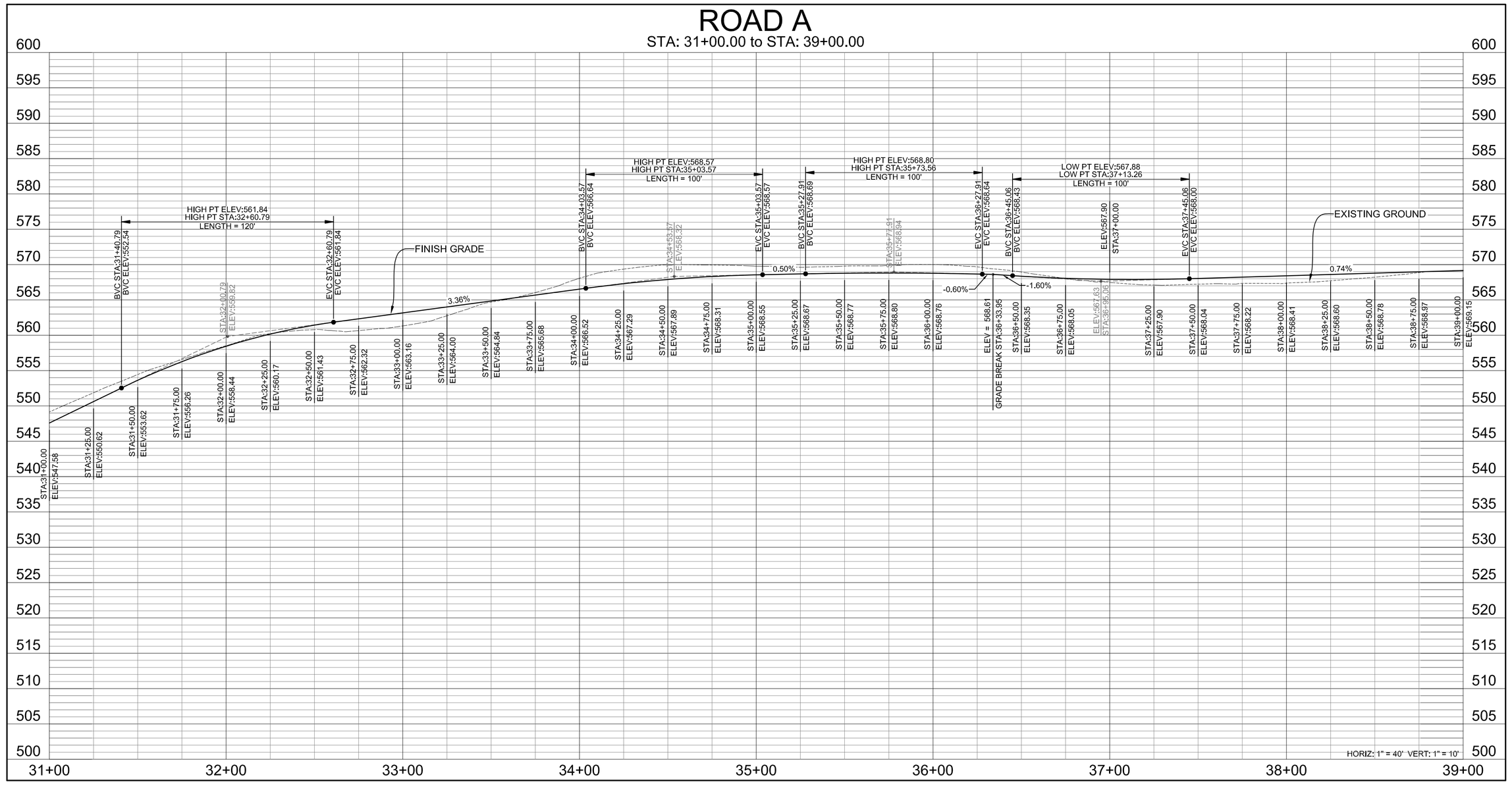

CENTERLINE DATA

ROAD A				
SEGMENT	LENGTH	BEARING	RADIUS	DELTA (Δ)
C19	66.61'	- - -	900.00	4°14'26"
L20	89.50'	N44°30'48"W	- - -	- - -
C20	99.02'	- - -	200.00	28°22'00"
L21	32.05'	N16°08'48"W	- - -	- - -
C21	21.70'	- - -	200.00	6°13'00"
L22	96.31'	N9°55'48"W	- - -	- - -
C22	46.06'	- - -	200.00	13°11'44"
L23	15.30'	N23°07'32"W	- - -	- - -
C23	140.15'	- - -	325.00	24°42'25"
L24	283.38'	N47°49'57"W	- - -	- - -

SCOPE OF WORK

AS-BUILT PLAN:

CUT:	463 CY
FILL:	380 CY
TOTAL EARTHWORK:	843 CY

REMEDIAL WORK:

AREA - NO REMEDIAL WORK BETWEEN STA 31+00 TO STA 39+00

NOTE: EXTENT OF REMEDIAL WORK TO BE CONSIDERED PER ENGINEERING GEOLOGIST AT THE TIME OF MITIGATION. SEE GEOSOLUTIONS GEOLOGY REPORT NO. SLO6539-3, 2-26-10.

TOTAL REMEDIAL EARTHWORK

TOTAL EARTHWORK: 0 CY

REVISION

REVISION	DESCRIPTION	ISSUE DATE	BY

PROJECT ENGINEER

DATED

REGISTERED PROFESSIONAL ENGINEER
MATT PRIESS
RCE 69213
Exp. 6/30/10
CIVIL
STATE OF CALIFORNIA

GRANITE RIDGE
ENGINEERING GROUP
240 DAFFODIL AVE. NIPOMO CA 93444
(805) 720-2958 www.graniteridgegroup.com

ROAD A
STA 31+00 TO STA 39+00

VERFIY SCALE
BAR IS ONE INCH
0 1"

SHEET DATA

Job Name:	MIRAMONTE RANCH
Cad File:	AS BUILT GRADING
Plot Date:	5-11-2010
Drawn By:	MP
Sheet	6 OF 21

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