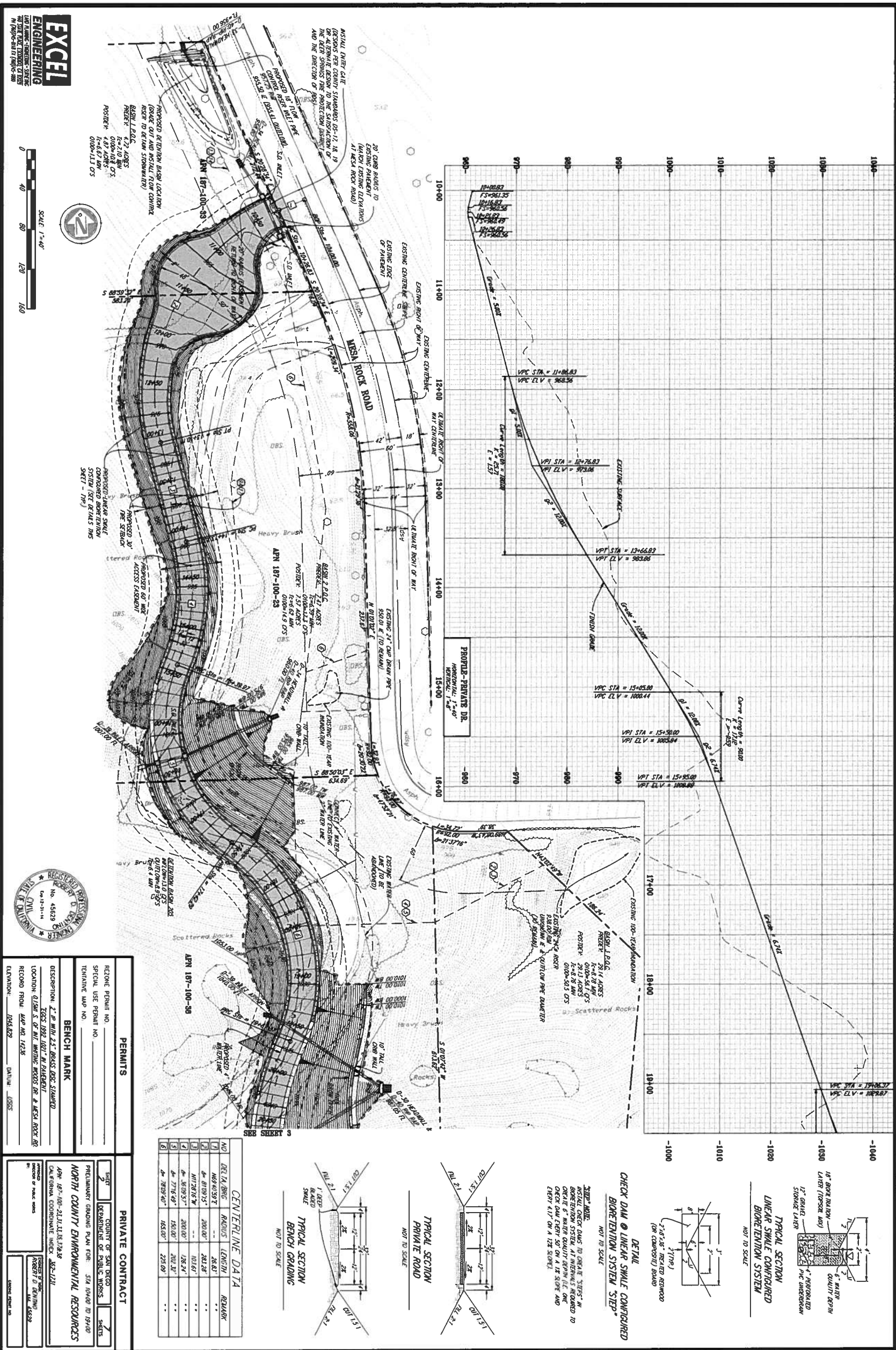
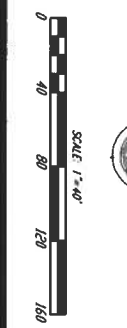


GRADING PLANS

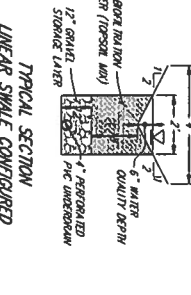
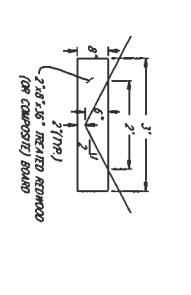
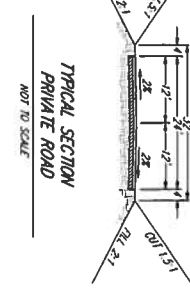
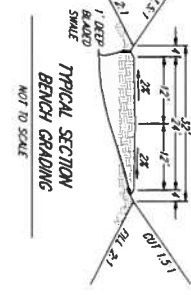


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LAND SURVEYING & ENGINEERING
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DENVER, CO 80202
TEL: 303.733.1111
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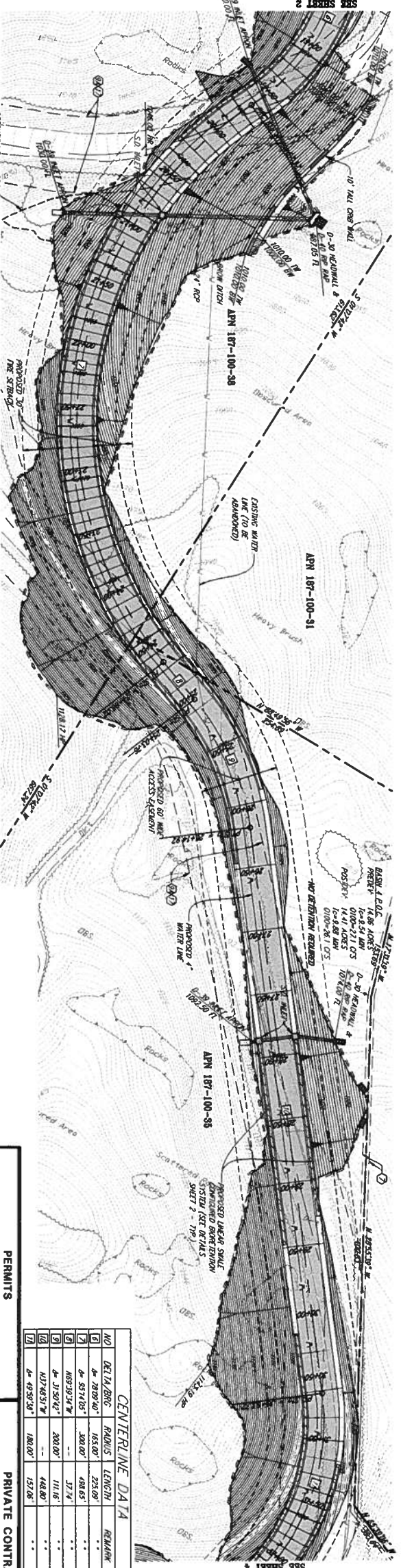
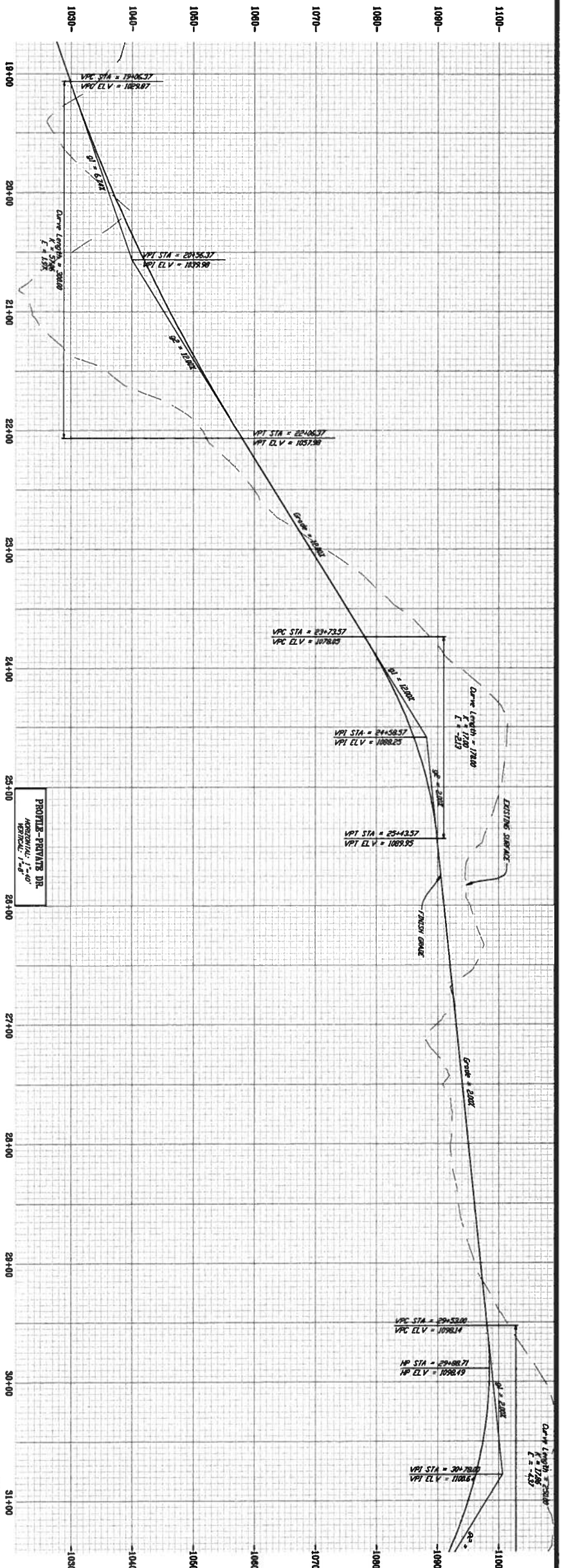


PERMITS	
RETENTION PERMIT NO.	
SPECIAL USE PERMIT NO.	
RETAINING WALL NO.	
BENCH MARK	
DESCRIPTION: 2" x 10" x 24" REBAR, 10' x 10' x 10'	
LOCATION: 10' x 10' x 10' x 10'	
RECORD FROM: MAP NO. 1428	
ELEVATION: 1045.829	
PRIVATE CONTRACT	
OWNER: COUNTY OF SOUTHERN COLORADO	
DESIGNER: EXCEL ENGINEERING	
DATE: 10/10/10	
PROJECT: 10' x 10' x 10' x 10'	
LOCATION: 10' x 10' x 10' x 10'	
RECORD FROM: MAP NO. 1428	
ELEVATION: 1045.829	

NO.	DET. NO.	REMARKS	LENGTH	REMARKS
1	101	10' x 10' x 10' x 10'	28.83	REBAR
2	102	10' x 10' x 10' x 10'	28.83	REBAR
3	103	10' x 10' x 10' x 10'	28.83	REBAR
4	104	10' x 10' x 10' x 10'	28.83	REBAR
5	105	10' x 10' x 10' x 10'	28.83	REBAR
6	106	10' x 10' x 10' x 10'	28.83	REBAR



GRADING PLANS



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FAX: (214) 591-1101
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SCALE 1"=40'
0 40 80 120 160

REGISTERED PROFESSIONAL ENGINEER
ROBERT D. DESIRING
No. 45629
Exp. 12-31-14
CIVIL

PERMITS

REZONE PERMIT NO. _____
SPECIAL USE PERMIT NO. _____
TENTATIVE MAP NO. _____

BENCH MARK
DESCRIPTION: 2" x 10" x 24" BRASS DISC STAMPED
LOCATION: 1000 S. OF N. LAKE AVENUE, 1000 S. OF N. LAKE AVENUE, 1000 S. OF N. LAKE AVENUE
RECORD FROM: MAP NO. 142-8
ELEVATION: 1045.82' DATUM: CGS85

PRIVATE CONTRACT
SHEET 1 OF 1
COUNTY OF SAN DIEGO
REQUIREMENT OF PUBLIC WORKS
PRELIMINARY GRADING PLAN FOR: STA 19+00 TO 31+00
NORTH COUNTY ENVIRONMENTAL RESOURCES
APN: 187-100-31, 187-100-38
CALIFORNIA COORDINATE: NAD83, 83-1211
DESIGNED BY: R. DESIRING
CHECKED BY: J. DESIRING
DATE: 10/1/14
SHEET 1 OF 1

Profile-Private Dr.
Horizontal: 1"=40'
Vertical: 1"=8'

Curve Length = 100.00
E = 1.52%

Vertical Curve Data:
VPI STA = 30+70.00
VPI ELV = 1100.64
VPC STA = 30+70.00
VPC ELV = 1073.40
VPT STA = 30+70.00
VPT ELV = 1063.40

Typical Parabolic Section
(See Sheet 2)

End of Typical Profile Parabolic Section
(See Sheet 7 for Pad Loop Road Grading)
1001.30 FS

Stationing and Elevation Data:
VPI STA = 30+70.00
VPI ELV = 1100.64
VPC STA = 30+70.00
VPC ELV = 1073.40
VPT STA = 30+70.00
VPT ELV = 1063.40
VPI STA = 30+70.00
VPI ELV = 1067.40
VPC STA = 30+70.00
VPC ELV = 1042.20
VPT STA = 30+70.00
VPT ELV = 1034.60
VPI STA = 30+70.00
VPI ELV = 1035.00
VPC STA = 30+70.00
VPC ELV = 1034.60
VPT STA = 30+70.00
VPT ELV = 1034.60
VPI STA = 30+70.00
VPI ELV = 1034.60
VPC STA = 30+70.00
VPC ELV = 1034.60
VPT STA = 30+70.00
VPT ELV = 1034.60

[illegible]

Profile-Private Diagram showing vertical alignment data for a road project. The diagram plots elevation (1000 to 1050) against stationing (980 to 1060). It features a dashed line for the existing surface and a solid line for the proposed profile. Key data points include VPI STA, VPI ELV, VPC STA, VPC ELV, and curve lengths (L) and grades (G).

Station	Profile Elevation (ELV)	Vertical Curve Type	Grade (%)	Curve Length (L)
41+95.00	1029.12	VPC	-1.32	118.00
42+50.00	1028.30	VPI	-1.32	118.00
43+05.00	1024.16	VPT	-1.32	118.00
44+23.00	1013.14	VPC	0.00	175.00
45+00.00	1008.00	VPI	0.00	175.00
46+15.00	1008.00	VPT	0.00	175.00
49+05.00	1008.00	VPC	0.00	175.00
50+75.00	1008.00	VPI	0.00	175.00
51+65.00	1014.55	VPT	0.00	175.00

Additional labels: EXISTING SURFACE, FINISH GRADE, FINISH.

Profile-Private Diagram showing vertical alignment data for a road project. The diagram plots elevation (1000 to 1050) against stationing (980 to 1060). It features a dashed line for the existing surface and a solid line for the proposed profile. Key data points include VPI STA = 41+95.00, VPI STA = 42+50.00, VPI STA = 43+05.00, VPI STA = 44+25.00, VPI STA = 45+00.00, VPI STA = 46+15.00, VPI STA = 49+05.00, VPI STA = 50+75.00, and VPI STA = 51+65.00. Vertical curve lengths (L) and grades (G) are also indicated.

Station	Elevation (ELV)	Grade (G)	Curve Length (L)
41+95.00	1029.12	-1.20%	100.00
42+50.00	1028.30	-1.20%	100.00
43+05.00	1024.16	-1.20%	100.00
44+25.00	1013.14	-1.20%	100.00
45+00.00	1008.00	-1.20%	100.00
46+15.00	1008.00	-1.20%	100.00
49+05.00	1008.00	-1.20%	100.00
50+75.00	1008.00	-1.20%	100.00
51+65.00	1014.55	-1.20%	100.00

