EXHIBIT E-2

DAVID A. STEINER, CPESC, CPSWQ

USLE LAYOUT AND PRACTICE ALTERNATIVES

A=(R)(K)(LS)(C)(P)

FOR:

Long Ranch

Post-project

SOIL TYPE: 176 (152), 154, 178

T= 1, 1, 2

USER:

DAS

DATE:

2-May-19

		Transect	, 1		П		101		IV		V
# /ACRES:	1	2.1		3.5		4.4		4.3		1.6	
FACTOR:	DESCRIPTION	#1	/Describe	#2	/Describe	#3	/Describe	#4	/Describe	#5	/Describe
R	Rainfall	69		69		69		69		69	
K	Soil Erosiveness	0.24	T=1.65 (seg)	0.10	T=1	0.10	T=1	0.10	T=1	0.10	T=1
	Slope length (ft)	350		535		490		476		152	
S	Gradient	18.9		17.2		13.9		12.2		19.7	
LS	Calculated LS	5.80	segmented	6.12	segmented	5.52	segmented	4.99	segmented	4.21	
С	Cover	0.022	80%, no-till	0.022	80%, no-till	0.022	80%, no-till	0.022	80%, no-till	0.022	80%, no-till
Р	Practice	1	vertical	1	vertical	1	vertical	1.	vertical	0.67	cross, no-till
			a mile ven far								
Α	Soil loss, tons/acre	2.14		0.93		0.84		0.76		0.43	
	Soil loss, tons	4.49		3.25		3.68		3.26		0.68	

A=(R)(K)(LS)(C)(P)

Total Soil Loss This Sheet:

14.69 Tons

Transect I	Segmented LS		
Segments	1	2	Use
Length	350	350	
Gradient	20.6	17.1	
LS	6.77	5.28	
Factor	0.35	0.65	
Product	2.370	3.432	5.802

Transect I	Segmented K		And the second of
Segments	1	2	Use
Length	175	175	
Gradient		9	
K	0.10	0.32	72 - 1
Factor	0.35	0.65	
Product	0.035	0.208	0.243

Transect I	Segmented T		
Segments	. 1	2	Use
Length	175	175	

Gradient			
	1.00	2.00	120
Factor	0.35	0.65	
Product	0.350	1.300	1.650

Transect II	Segmented LS		
Segments	1	2	Use
Length	536	536	
Gradient	19.3	14.6	
ST	7.68	5.28	*
Factor	0.35	0.65	
Product	2.688	3.432	6.120

Transect III	Segmented LS		
Segments	1	2	2 Use
Length	490	490	
Gradient	0.6	18.8	
LS .	2.59	7.09	
Factor	0.35	0.65	
Product	0.907	4.609	5.515

Transect IV	Segmented LS	•	
Segments	1	2	2 Use
Length	476	476	
Gradient	6.3	18.5	
ST	1.56	6.84	
Factor	0.35	0.65	
Product	0.546	4.446	4.992

DAVID A. STEINER, CPESC, CPSWQ USLE LAYOUT AND PRACTICE ALTERNATIVES

A=(R)(K)(LS)(C)(P)

Long Ranch
Pre-project
SOIL TYPE: 176 (152), 178
USER: DAS

T= 1, 1, 2

2-May-19

		_	_	_	_				_
>	•	#5 /Describe		7=1				4	vertical
	1.6	#2	69	0.10 T=1	152	19.7	4.21	0.027	-
≥	:	#4 /Describe		T=1			4.99 segmented	0.073 segmented	vertical
	4.3	#	69	0.10 T=1	476	12.2	4.99	0.073	1
_		#3 /Describe		1=1			5.52 segmented	0.061 segmented	vertical
	4.4	#3	69	0.10 T=1	490	13.9	5.52	0.061	-
=		/Describe		T=1			6.12 segmented	0.058 segmented	vertical
	3.5	#5 //	69	0.10 T=1	535	17.2	6.12	0.058	-
_	×	#1 /Describe		0.243 T=1.65 (seg)			segmented	0.036 segmented	vertical
ransect	2.1	#1	69	0.243	350	18.9	5.80	0.036	1
		DESCRIPTION	Rainfall	Soil Erosiveness	Slope length (ft)	Gradient	Calculated LS	Cover	Practice
	ACRES:	ACTOR:	æ	¥		S	rs	ပ	Д

Soil loss, tons/acre	3.50	2.45	2.32	
Soil loss, tons	7.35	8.57	10.21	_

A=(R)(K)(LS)(C)(P)

36.95 Tons Total Soil Loss This Sheet:

I ransect I	Segmented LS		
Segments	1	2	2 Use
Length	350	350	
Gradient	20.6	17.1	
rs.	6.77	5.28	
Factor	0.35	0.65	
Product	2.370	3.432	5.802
Fransect I	Segmented K		
Segments	1	2	2 Use
Length	175	175	
Sradient			
>	0.10	0.32	
Factor	0.35	0.65	
Product	0.035	80C 0	0 243

Transect I	Segmented T			_
Segments	1	2	2 Use	
Length	175	175		
Gradient				
Т	1.00	2.00		
Factor	0.35	0.65		
Product	0.350	1.300	1.650	
Transect I	Segmented C			
Segments	- 1	2	က	Use
Length	117	117	117	
Table 5 (footnotes)		2	2	
0	0.044	0.034	0.034	
Eactor	010	20.0	0 40	

Legisla	, ,			
Table 5 (footnotes)	-	2	2	
0	0.044	0.034	0.034	
Factor	0.19	0.35	0.46	. 1
Product	0.008	0.012	0.016	ı
				ı
Transect II	Segmented LS			

ansect III	Segmented LS	No. ale	
gments	1	2	2 Use
ngth	490	490	

42	0.5
#	0.5
#3	0.5
#2	0.5
#1	0.5
	Ë

			5.5		9					4.9
18.8	7.09	0.65	4.609		2 Use	476	18.5	6.84	0.65	4.446
9.0	2.59	0.35	0.907	/ Segmented LS	-	476	6.3	1.56	0.35	0.546
Gradient	ST	Factor	Product	Transect IV	Segments	Length	Gradient	rs	Factor	Product
					Ι					28
					Use					0.058
					4	134	9	0.090	0.35	0.032
			6.120		3	134	ın	0.056	0.3	0.017
14.6	5.28	0.65	3.432		2	134	4	0.027	0.23	900'0
19.3	7.68	0.35	2.688	Seamented C	-	134	n	0.028	0.12	0.003
Gradient	T.S.	Factor	Product	Transect II	Seaments	Length	Table 5 (above)	U	Factor	Product

10113CC1 111	Segmented C	-			_	
Segments	-	2	3	4	5 Use	9
Length	86	86	86	86	86	
Table 5	2	7	8	6	8	
ပ	0.053	0.053	0.078	0.059	0.059	
Factor	60:0	0.16	0.21	0.25	0.28	
Product	0.005	0.008	0.016	0.015	0.017	0.061

		0.00	0.0.0	20.0	200	3
Transect IV	Segmented C		_			
Segments	1	2	3	4	Use	
Length	119	119	119	119		
Table 5	ç		01	11		
0	0.099	0.078	0.099	0.038		
Factor	0.12	0.23	0.3	0.35		
Product	0.012	0.018	0.030	0.013	0.073	
				The second secon		

FROM TABLE 5, "Special Applications FOR Napa County"

75% Low Brush; 70% cover: 30 G, 70 W

260% Low Brush; 70% cover: 80 G, 40 W

50% Low Brush; 70% cover: 80 G, 40 W

50% Low Brush; 80% cover: 80 G, 50 W

525% Low Brush; 80% cover: 80 G, 50 W

775% Low Brush; 40% cover: 50 G, 50 W

775% Low Brush; 70% cover: 0 G, 100 W

775% High Brush; 70% cover: 0 G, 100 W

75% High Brush; 70% cover: 0 G, 100 W

775% High Brush; 80% cover: 0 G, 100 W