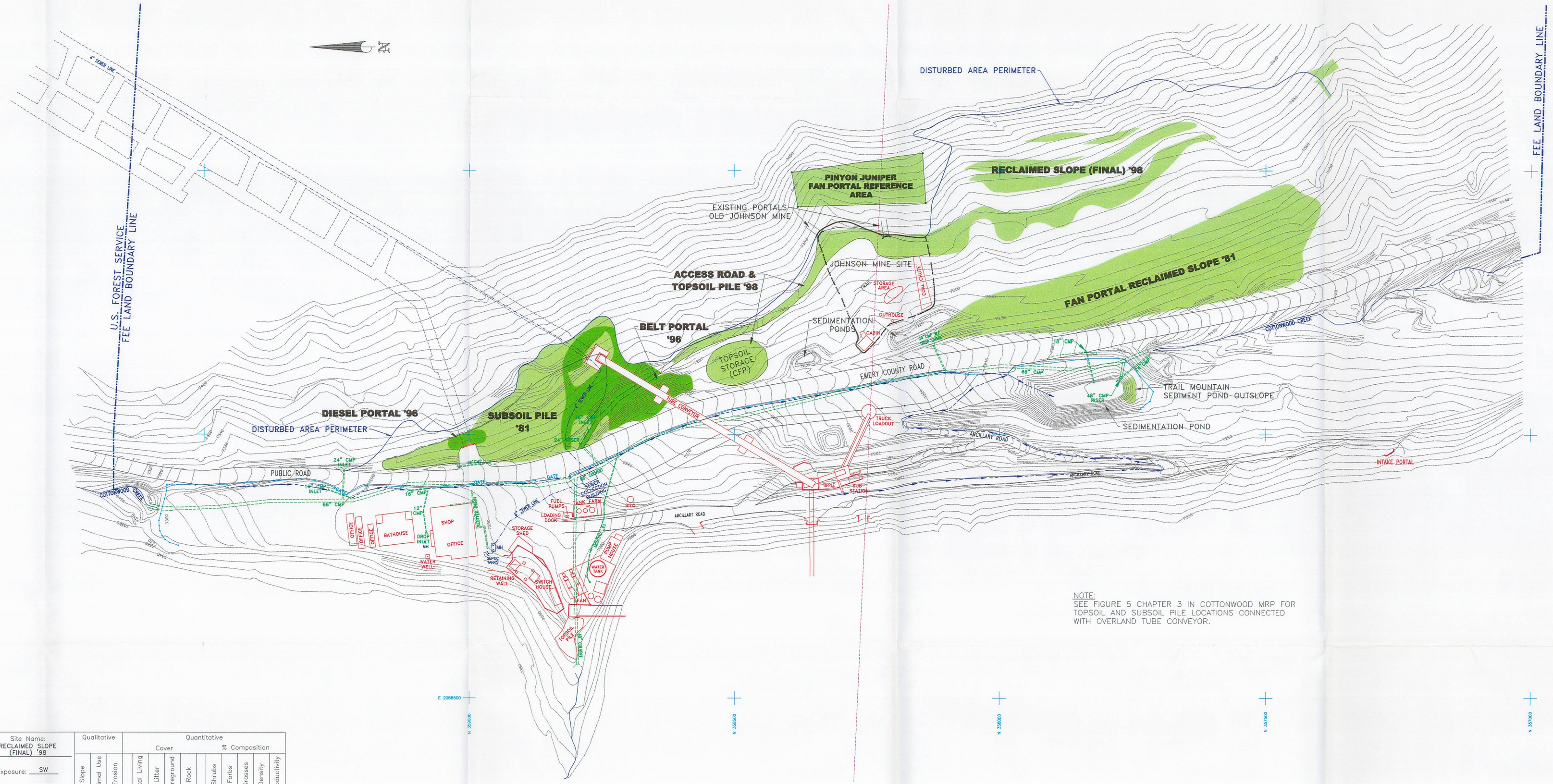

NOTE:
SEE FIGURE 5 CHAPTER 3 IN COTTONWOOD MRP FOR TOPSOIL AND SUBSOIL PILE LOCATIONS CONNECTED WITH OVERLAND TUBE CONVEYOR.

Site Name: RECLAIMED SLOPE (FINAL) '98		Qualitative			Quantitative									
Exposure: SW					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
2000	AUG. 28-SEPT. 1	V	S	N	23.33	7.67	39.33	29.67	6.37	42.14	51.49	–	–

Site Name: DIESEL PORTAL '96		Qualitative			Quantitative									
Exposure: SW					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 20-24	43'	S	S	38.33	10.00	9.17	42.50	0.00	14.04	85.96	–	–
2000	AUG. 28-SEPT. 1	43'	S	N	NOT SAMPLED				NOT SAMPLED				

Site Name: BELT PORTAL '96		Qualitative			Quantitative									
Exposure: SSW					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 20-24	V	S	S	33.50	11.00	6.00	49.50	10.00	5.00	85.00	–	–
2000	AUG. 28-SEPT. 1	V	S	S	44.00	11.50	18.50	26.00	19.72	9.64	70.63	–	–

Site Name: SUBSOIL PILE '81		Qualitative			Quantitative									
Exposure: V					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 20-24	35'	N	S	31.00	8.05	39.50	21.45	12.08	35.94	47.98	–	–
2000	AUG. 28-SEPT. 1	35'	N	N	NOT SAMPLED				NOT SAMPLED				

Site Name: FAN PORTAL RECLAIMED SLOPE		Qualitative			Quantitative									
Exposure: W					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 20-24	35'	S-M	S	46.50	8.50	7.25	37.75	36.12	14.30	49.58	–	–
2000	AUG. 28-SEPT. 1	35'	S-M	S	41.25	18.00	12.50	28.00	41.71	10.60	47.69	–	–

Site Name: TUBE CONVEYOR -96		Qualitative			Quantitative									
Exposure: W,N,S					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 20-24	28'	N	N	47.50	6.50	28.00	18.00	0.00	66.15	33.85	–	–
2000	AUG. 28-SEPT. 1	28'	N	N	40.50	7.50	31.00	21.00	11.67	49.55	38.78	–	–

Site Name: FAN PORTAL REFERENCE AREA		Qualitative			Quantitative									
Exposure: W					Cover				% Composition					
Year	Date	Slope	Animal Use	Erosion	Total Living	Litter	Bareground	Rock	Shrubs	Forbs	Grasses	Density	Productivity
1999	SEPT. 20-24	33'	S-M	S	30.50	16.75	10.00	42.75	24.08	4.50	71.42	–	–
2000	AUG. 28-SEPT. 1	33'	S-M	S	31.50	12.75	17.50	43.00	19.19	4.73	76.08	–	–

LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTENSEN
No. 165651
STATE OF UTAH

John Christensen 3/21/01
JOHN CHRISTENSEN NO. 165651 DATE

I JOHN CHRISTENSEN BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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DATE	REVISIONS	BY	CHK
3-23-00	ADDED QUALITATIVE AND QUANTITATIVE DATA	KJL	
4-2-97	ADDED PINYON-JUNIPER REFERENCE AREA AND REVISED TO REFLECT EXISTING CONDITIONS	KJL	
4-24-95	ADDED JOHNSON MINE SITE	KJL	

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

COTTONWOOD MINE
COTTONWOOD FAN PORTAL
2000 VEGETATION MONITORING

DRAWN BY: K. LARSEN
SCALE: 1" = 100'
DATE: JANUARY 22, 1999
DRAWING #: KS1689D
SHEET 1 OF 1
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