EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 336+56.600 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.117	.000	1.032	1.120	1.810	3.300	5.400	@ 2.1
S -0.873%	9.117	9.135	9.148	9.154	9.156	9.166	9.176	9.220	9.210	9.187	9.156	S -1.502%
	-.87%	-.87%	-.87%	1:-2.00	-.95%	.	.95%	1:2.00	-1.50%	-1.50%	-1.50%	

Alignment Chain KC2
Station 336+60.000 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.116	.000	1.025	1.120	1.810	3.300	5.400	@ 2.1
S -0.847%	9.085	9.102	9.115	9.121	9.123	9.134	9.143	9.191	9.180	9.157	9.125	S -1.532%
	-.85%	-.85%	-.85%	1:-2.00	-.95%	.	.95%	1:2.00	-1.53%	-1.53%	-1.53%	

Alignment Chain KC2
Station 336+80.000 Surface STAKE

F .04	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .008
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.113	.000	1.083	1.120	1.810	3.300	5.400	@ 2.1
S -1.895%	8.913	8.952	8.981	8.994	8.997	9.001	9.006	8.987	8.984	8.979	8.971	S -0.363%
	-1.90%	-1.90%	-1.90%	1:-2.00	-.39%	.	.39%	1:-2.00	-.36%	-.36%	-.36%	

Alignment Chain KC2
Station 337+00.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .024
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.110	.000	1.116	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	8.781	8.826	8.859	8.874	8.869	8.873	8.876	8.874	8.866	8.850	8.826	S -1.129%
	-2.18%	-2.18%	-2.18%	1:2.00	-.33%	.	.33%	1:-2.00	-1.13%	-1.13%	-1.13%	

Alignment Chain KC2
Station 337+20.000 Surface STAKE

F .026	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.977	.000	.915	1.120	1.810	3.300	5.400	@ 2.1
S -1.250%	8.661	8.687	8.706	8.715	8.643	8.647	8.651	8.754	8.743	8.718	8.683	S -1.653%
	-1.25%	-1.25%	-1.25%	1:2.00	-.44%	.	.44%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 337+40.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.939	.000	.944	1.120	1.810	3.300	5.400	@ 2.1
S -1.976%	8.511	8.552	8.582	8.595	8.504	8.505	8.506	8.594	8.583	8.558	8.523	S -1.653%
	-1.98%	-1.98%	-1.98%	1:2.00	-.09%	.	.09%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 337+60.000 Surface STAKE

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

F .029	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.904	.000	.888	1.120	1.810	3.300	5.400	@ 2.1
S -1.371%	8.345	8.374	8.394	8.404	8.296	8.297	8.298	8.414	8.404	8.384	8.355	S -1.371%
	-1.37%	-1.37%	-1.37%	1:2.00	-.13%	.	.13%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 337+80.000 Surface STAKE

F .04	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.912	.000	.902	1.120	1.810	3.300	5.400	@ 2.1
S -1.895%	8.163	8.202	8.231	8.244	8.140	8.141	8.141	8.250	8.237	8.208	8.168	S -1.936%
	-1.90%	-1.90%	-1.90%	1:2.00	-.08%	.	.08%	1:2.00	-1.94%	-1.94%	-1.94%	

Alignment Chain KC2
Station 338+00.000 Surface STAKE

F .035	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .044
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.715	.000	.685	1.120	1.810	3.300	5.400	@ 2.1
S -1.653%	8.035	8.070	8.095	8.106	7.904	7.903	7.903	8.120	8.106	8.075	8.031	S -2.097%
	-1.65%	-1.65%	-1.65%	1:2.00	.07%	.	-.07%	1:2.00	-2.10%	-2.10%	-2.10%	

Alignment Chain KC2
Station 338+20.000 Surface STAKE

F .023	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .064
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.998	.000	.858	1.120	1.810	3.300	5.400	@ 2.1
S -1.089%	7.875	7.898	7.914	7.921	7.860	7.865	7.870	8.001	7.980	7.935	7.871	S -3.024%
	-1.09%	-1.09%	-1.09%	1:2.00	-.51%	.	.51%	1:2.00	-3.02%	-3.02%	-3.02%	

Alignment Chain KC2
Station 338+40.000 Surface STAKE

F .045	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .054
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.794	.000	.731	1.120	1.810	3.300	5.400	@ 2.1
S -2.137%	7.706	7.751	7.782	7.797	7.634	7.636	7.637	7.832	7.814	7.775	7.721	S -2.581%
	-2.14%	-2.14%	-2.14%	1:2.00	-.19%	.	.19%	1:2.00	-2.58%	-2.58%	-2.58%	

Alignment Chain KC2
Station 338+60.000 Surface STAKE

F .053	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.747	.000	.839	1.120	1.810	3.300	5.400	@ 2.1
S -2.540%	7.574	7.627	7.665	7.683	7.496	7.495	7.494	7.635	7.625	7.605	7.576	S -1.371%
	-2.54%	-2.54%	-2.54%	1:2.00	.10%	.	-.10%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 338+80.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .048
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.788	.000	.813	1.120	1.810	3.300	5.400	@ 2.1

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

S -1.935%	7.460	7.500	7.529	7.542	7.376	7.374	7.371	7.524	7.508	7.474	7.426	S -2.298%
	-1.94%	-1.94%	-1.94%	1:2.00	.33%	.	-.33%	1:2.00	-2.30%	-2.30%	-2.30%	

Alignment Chain KC2
Station 339+00.000 Surface STAKE

F .043	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.760	.000	.912	1.120	1.810	3.300	5.400	@ 2.1
S -2.056%	7.330	7.373	7.403	7.418	7.238	7.232	7.226	7.330	7.322	7.304	7.280	S -1.169%
	-2.06%	-2.06%	-2.06%	1:2.00	.72%	.	-.72%	1:2.00	-1.17%	-1.17%	-1.17%	

Alignment Chain KC2
Station 339+20.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .026
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.800	.000	.865	1.120	1.810	3.300	5.400	@ 2.1
S -1.411%	7.198	7.228	7.249	7.259	7.099	7.095	7.092	7.219	7.211	7.192	7.166	S -1.250%
	-1.41%	-1.41%	-1.41%	1:2.00	.39%	.	-.39%	1:2.00	-1.25%	-1.25%	-1.25%	

Alignment Chain KC2
Station 339+40.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .01
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.855	.000	.937	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	7.078	7.115	7.141	7.153	7.020	7.019	7.017	7.109	7.106	7.099	7.088	S -0.484%
	-1.73%	-1.73%	-1.73%	1:2.00	.13%	.	-.13%	1:2.00	-.48%	-.48%	-.48%	

Alignment Chain KC2
Station 339+60.000 Surface STAKE

F .008	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .016
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.896	.000	.855	1.120	1.810	3.300	5.400	@ 2.1
S -0.403%	6.999	7.008	7.014	7.017	6.904	6.906	6.907	7.039	7.034	7.023	7.007	S -0.766%
	-.40%	-.40%	-.40%	1:2.00	-.15%	.	.15%	1:2.00	-.77%	-.77%	-.77%	

Alignment Chain KC2
Station 339+80.000 Surface STAKE

F .011	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .021
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.967	.000	.902	1.120	1.810	3.300	5.400	@ 2.1
S -0.524%	6.895	6.906	6.914	6.918	6.842	6.845	6.849	6.958	6.951	6.936	6.915	S -1.008%
	-.52%	-.52%	-.52%	1:2.00	-.38%	.	.38%	1:2.00	-1.01%	-1.01%	-1.01%	

Alignment Chain KC2
Station 340+00.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.912	.000	.882	1.120	1.810	3.300	5.400	@ 2.1
S -1.411%	6.767	6.797	6.818	6.828	6.724	6.728	6.733	6.852	6.846	6.833	6.816	S -0.847%
	-1.41%	-1.41%	-1.41%	1:2.00	-.51%	.	.51%	1:2.00	-.85%	-.85%	-.85%	

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 340+20.000 Surface STAKE

F .022	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .026
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.891	.000	.795	1.120	1.810	3.300	5.400	@ 2.1
S -1.048%	6.680	6.702	6.717	6.725	6.610	6.615	6.620	6.782	6.774	6.755	6.729	S -1.250%
	-1.05%	-1.05%	-1.05%	1:2.00	-.59%	.	.59%	1:2.00	-1.25%	-1.25%	-1.25%	

Alignment Chain KC2
Station 340+40.000 Surface STAKE

F .016	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.001	.000	.943	1.120	1.810	3.300	5.400	@ 2.1
S -0.766%	6.590	6.606	6.617	6.622	6.563	6.568	6.573	6.662	6.656	6.643	6.626	S -0.847%
	-.77%	-.77%	-.77%	1:2.00	-.55%	.	.55%	1:2.00	-.85%	-.85%	-.85%	

Alignment Chain KC2
Station 340+60.000 Surface STAKE

F .042	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .031
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.026	.000	.994	1.120	1.810	3.300	5.400	@ 2.1
S -2.016%	6.486	6.528	6.558	6.572	6.525	6.531	6.537	6.600	6.590	6.568	6.536	S -1.492%
	-2.02%	-2.02%	-2.02%	1:2.00	-.62%	.	.62%	1:2.00	-1.49%	-1.49%	-1.49%	

Alignment Chain KC2
Station 340+80.000 Surface STAKE

F .014	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .058
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.090	.000	.947	1.120	1.810	3.300	5.400	@ 2.1
S -0.685%	6.410	6.424	6.434	6.439	6.454	6.471	6.486	6.572	6.553	6.512	6.453	S -2.782%
	-.69%	-.69%	-.69%	1:-2.00	-1.56%	.	1.56%	1:2.00	-2.78%	-2.78%	-2.78%	

Alignment Chain KC2
Station 341+00.000 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.982	.000	.936	1.120	1.810	3.300	5.400	@ 2.1
S -1.492%	6.295	6.327	6.349	6.359	6.290	6.294	6.298	6.391	6.380	6.356	6.323	S -1.573%
	-1.49%	-1.49%	-1.49%	1:2.00	-.44%	.	.44%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 341+20.000 Surface STAKE

F .015	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.028	.000	.918	1.120	1.810	3.300	5.400	@ 2.1
S -0.726%	6.202	6.217	6.228	6.233	6.187	6.195	6.202	6.303	6.292	6.269	6.237	S -1.532%
	-.73%	-.73%	-.73%	1:2.00	-.77%	.	.77%	1:2.00	-1.53%	-1.53%	-1.53%	

Alignment Chain KC2

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Station 341+40.000 Surface STAKE

F .004	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .044
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.101	.000	.907	1.120	1.810	3.300	5.400	@ 2.1
S -0.202%	6.114	6.118	6.121	6.123	6.113	6.127	6.139	6.245	6.231	6.200	6.156	S -2.097%
	-.20%	-.20%	-.20%	1:2.00	-1.28%	.	1.28%	1:2.00	-2.10%	-2.10%	-2.10%	

Alignment Chain KC2
Station 341+60.000 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .046
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.075	.000	.896	1.120	1.810	3.300	5.400	@ 2.1
S -0.887%	5.988	6.006	6.020	6.026	6.003	6.018	6.030	6.142	6.127	6.094	6.049	S -2.177%
	-.89%	-.89%	-.89%	1:2.00	-1.37%	.	1.37%	1:2.00	-2.18%	-2.18%	-2.18%	

Alignment Chain KC2
Station 341+80.000 Surface STAKE

F .023	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.013	.000	.903	1.120	1.810	3.300	5.400	@ 2.1
S -1.089%	5.924	5.947	5.963	5.970	5.917	5.924	5.930	6.039	6.025	5.995	5.953	S -2.016%
	-1.09%	-1.09%	-1.09%	1:2.00	-.71%	.	.71%	1:2.00	-2.02%	-2.02%	-2.02%	

Alignment Chain KC2
Station 342+00.000 Surface STAKE

F .007	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.566	.000	.435	1.120	1.810	3.300	5.400	@ 2.1
S -0.323%	5.826	5.833	5.838	5.840	5.563	5.559	5.555	5.898	5.892	5.879	5.862	S -0.847%
	-.32%	-.32%	-.32%	1:2.00	.76%	.	-.76%	1:2.00	-.85%	-.85%	-.85%	

Alignment Chain KC2
Station 342+20.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.990	.000	.929	1.120	1.810	3.300	5.400	@ 2.1
S -1.210%	5.724	5.749	5.767	5.776	5.711	5.716	5.721	5.817	5.807	5.787	5.758	S -1.371%
	-1.21%	-1.21%	-1.21%	1:2.00	-.55%	.	.55%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 342+40.000 Surface STAKE

F .017	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .026
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.024	.000	.926	1.120	1.810	3.300	5.400	@ 2.1
S -0.806%	5.611	5.628	5.640	5.645	5.597	5.605	5.613	5.709	5.701	5.682	5.656	S -1.250%
	-.81%	-.81%	-.81%	1:2.00	-.80%	.	.80%	1:2.00	-1.25%	-1.25%	-1.25%	

Alignment Chain KC2
Station 342+60.000 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.000	.000	.906	1.120	1.810	3.300	5.400	@ 2.1
S -0.847%	5.526	5.543	5.556	5.562	5.502	5.508	5.513	5.620	5.608	5.583	5.547	S -1.694%
	-.85%	-.85%	-.85%	1:2.00	-.56%	.	.56%	1:2.00	-1.69%	-1.69%	-1.69%	

Alignment Chain KC2
Station 342+80.000 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.997	.000	.907	1.120	1.810	3.300	5.400	@ 2.1
S -0.847%	5.438	5.455	5.468	5.474	5.413	5.418	5.423	5.529	5.518	5.493	5.458	S -1.653%
	-.85%	-.85%	-.85%	1:2.00	-.53%	.	.53%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 343+00.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .04
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.975	.000	.899	1.120	1.810	3.300	5.400	@ 2.1
S -1.169%	5.347	5.371	5.389	5.397	5.324	5.328	5.332	5.443	5.430	5.401	5.362	S -1.895%
	-1.17%	-1.17%	-1.17%	1:2.00	-.41%	.	.41%	1:2.00	-1.90%	-1.90%	-1.90%	

Alignment Chain KC2
Station 343+20.000 Surface STAKE

C .	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.033	.000	.920	1.120	1.810	3.300	5.400	@ 2.1
S 0.000%	5.246	5.246	5.246	5.246	5.203	5.208	5.213	5.313	5.303	5.283	5.254	S -1.371%
	.00%	.00%	.00%	1:2.00	-.52%	.	.52%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 343+40.000 Surface STAKE

F .015	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .016
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.968	.000	.953	1.120	1.810	3.300	5.400	@ 2.1
S -0.726%	5.135	5.150	5.161	5.166	5.090	5.091	5.092	5.175	5.170	5.159	5.143	S -0.766%
	-.73%	-.73%	-.73%	1:2.00	-.13%	.	.13%	1:2.00	-.77%	-.77%	-.77%	

Alignment Chain KC2
Station 343+60.000 Surface STAKE

F .012	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.002	.000	.922	1.120	1.810	3.300	5.400	@ 2.1
S -0.565%	5.029	5.041	5.050	5.054	4.994	4.999	5.003	5.102	5.092	5.072	5.043	S -1.371%
	-.57%	-.57%	-.57%	1:2.00	-.43%	.	.43%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 343+80.000 Surface STAKE

F .011	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .039
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.979	.000	.875	1.120	1.810	3.300	5.400	@ 2.1
S -0.524%	4.977	4.988	4.996	5.000	4.929	4.933	4.936	5.059	5.046	5.018	4.979	S -1.855%

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

	-.52%	-.52%	-.52%	1:2.00	-.37%	.	.37%	1:2.00	-1.86%	-1.86%	-1.86%	

Alignment Chain KC2
Station 344+00.000 Surface STAKE

F .011	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .047
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.997	.000	.855	1.120	1.810	3.300	5.400	@ 2.1
S -0.524%	4.954	4.965	4.973	4.977	4.916	4.921	4.926	5.058	5.043	5.009	4.962	S -2.258%
	-.52%	-.52%	-.52%	1:2.00	-.56%	.	.56%	1:2.00	-2.26%	-2.26%	-2.26%	

Alignment Chain KC2
Station 344+20.000 Surface STAKE

F .02	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .058
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.987	.000	.843	1.120	1.810	3.300	5.400	@ 2.1
S -0.968%	5.009	5.029	5.044	5.050	4.984	4.989	4.994	5.133	5.114	5.073	5.015	S -2.742%
	-.97%	-.97%	-.97%	1:2.00	-.56%	.	.56%	1:2.00	-2.74%	-2.74%	-2.74%	

Alignment Chain KC2
Station 344+40.000 Surface STAKE

F .012	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .047
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.032	.000	.872	1.120	1.810	3.300	5.400	@ 2.1
S -0.565%	5.097	5.109	5.118	5.122	5.078	5.086	5.094	5.218	5.202	5.169	5.123	S -2.218%
	-.57%	-.57%	-.57%	1:2.00	-.85%	.	.85%	1:2.00	-2.22%	-2.22%	-2.22%	

Alignment Chain KC2
Station 344+60.000 Surface STAKE

C .009	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .063
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.051	.000	.953	1.120	1.810	3.300	5.400	@ 2.1
S 0.444%	5.153	5.143	5.137	5.134	5.168	5.183	5.195	5.279	5.259	5.214	5.151	S -2.984%
	.44%	.44%	.44%	1:-2.00	-1.35%	.	1.35%	1:2.00	-2.98%	-2.98%	-2.98%	

Alignment Chain KC2
Station 344+80.000 Surface STAKE

F .038	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.058	.000	1.038	1.120	1.810	3.300	5.400	@ 2.1
S -1.815%	5.196	5.235	5.262	5.274	5.243	5.245	5.246	5.287	5.273	5.243	5.201	S -2.016%
	-1.82%	-1.82%	-1.82%	1:2.00	-.15%	.	.15%	1:2.00	-2.02%	-2.02%	-2.02%	

Alignment Chain KC2
Station 345+00.000 Surface STAKE

F .042	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .039
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.038	.000	1.057	1.120	1.810	3.300	5.400	@ 2.1
S -2.016%	5.290	5.332	5.362	5.376	5.335	5.333	5.331	5.363	5.350	5.322	5.283	S -1.855%
	-2.02%	-2.02%	-2.02%	1:2.00	.17%	.	-.17%	1:2.00	-1.86%	-1.86%	-1.86%	

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 345+20.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .048
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.075	.000	1.012	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	5.339	5.376	5.402	5.414	5.391	5.397	5.402	5.456	5.440	5.406	5.358	S -2.298%
	-1.73%	-1.73%	-1.73%	1:2.00	-.53%	.	.53%	1:2.00	-2.30%	-2.30%	-2.30%	

Alignment Chain KC2
Station 345+40.000 Surface STAKE

F .04	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.051	.000	1.049	1.120	1.810	3.300	5.400	@ 2.1
S -1.895%	5.412	5.451	5.480	5.493	5.458	5.459	5.460	5.495	5.483	5.456	5.417	S -1.815%
	-1.90%	-1.90%	-1.90%	1:2.00	-.07%	.	.07%	1:2.00	-1.82%	-1.82%	-1.82%	

Alignment Chain KC2
Station 345+60.000 Surface STAKE

F .021	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .052
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.985	.000	.913	1.120	1.810	3.300	5.400	@ 2.1
S -1.008%	5.588	5.609	5.624	5.631	5.564	5.564	5.565	5.668	5.651	5.613	5.561	S -2.500%
	-1.01%	-1.01%	-1.01%	1:2.00	-.05%	.	.05%	1:2.00	-2.50%	-2.50%	-2.50%	

Alignment Chain KC2
Station 345+74.500 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .056
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.927	.000	.862	1.120	1.810	3.300	5.400	@ 2.1
S -1.468%	5.647	5.677	5.699	5.709	5.613	5.606	5.600	5.729	5.710	5.671	5.615	S -2.665%
	-1.47%	-1.47%	-1.47%	1:2.00	.74%	.	-.74%	1:2.00	-2.67%	-2.67%	-2.67%	

Alignment Chain KC2
Station 345+80.000 Surface STAKE

F .035	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .057
@ 2.1	-5.400	-3.300	-2.079	-1.389	-1.193	.000	1.168	1.389	2.079	3.300	5.400	@ 2.1
S -1.653%	5.669	5.704	5.724	5.736	5.637	5.635	5.633	5.744	5.725	5.692	5.635	S -2.702%
	-1.65%	-1.65%	-1.65%	1:2.00	.19%	.	-.19%	1:2.00	-2.70%	-2.70%	-2.70%	

Alignment Chain KC2
Station 345+98.800 Surface STAKE

F .016	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .024
@ 2.1	-5.400	-3.300	-3.000	-2.310	-2.299	.000	2.298	2.310	3.000	3.300	5.400	@ 2.1
S -0.756%	5.776	5.792	5.795	5.800	5.795	5.778	5.761	5.767	5.759	5.755	5.732	S -1.129%
	-.76%	-.76%	-.76%	1:2.00	.74%	.	-.74%	1:2.00	-1.13%	-1.13%	-1.13%	

Alignment Chain KC2
Station 346+34.800 Surface STAKE

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

F .02	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-3.000	-2.310	-2.201	.000	2.234	2.310	3.000	3.300	5.400	@ 2.1
S -0.955%	5.916	5.936	5.939	5.945	5.891	5.874	5.858	5.896	5.891	5.888	5.870	S -0.838%
	-.96%	-.96%	-.96%	1:2.00	.73%	.	-.73%	1:2.00	-.84%	-.84%	-.84%	

Alignment Chain KC2
Station 346+40.000 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .014
@ 2.1	-5.400	-3.300	-2.747	-2.057	-1.912	.000	1.949	2.057	2.747	3.300	5.400	@ 2.1
S -0.847%	5.919	5.936	5.941	5.947	5.874	5.861	5.848	5.902	5.898	5.894	5.880	S -0.685%
	-.85%	-.85%	-.85%	1:2.00	.67%	.	-.67%	1:2.00	-.69%	-.69%	-.69%	

Alignment Chain KC2
Station 346+59.300 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .052
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.902	.000	.824	1.120	1.810	3.300	5.400	@ 2.1
S -0.927%	5.957	5.977	5.991	5.997	5.888	5.886	5.884	6.032	6.015	5.978	5.925	S -2.500%
	-.93%	-.93%	-.93%	1:2.00	.20%	.	-.20%	1:2.00	-2.50%	-2.50%	-2.50%	

Alignment Chain KC2
Station 346+60.000 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .052
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.902	.000	.828	1.120	1.810	3.300	5.400	@ 2.1
S -0.927%	5.959	5.978	5.992	5.998	5.889	5.889	5.888	6.034	6.017	5.979	5.927	S -2.500%
	-.93%	-.93%	-.93%	1:2.00	.09%	.	-.09%	1:2.00	-2.50%	-2.50%	-2.50%	

Alignment Chain KC2
Station 346+80.000 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.821	.000	.784	1.120	1.810	3.300	5.400	@ 2.1
S -1.492%	6.021	6.053	6.075	6.085	5.936	5.936	5.937	6.104	6.091	6.062	6.022	S -1.935%
	-1.49%	-1.49%	-1.49%	1:2.00	-.05%	.	.05%	1:2.00	-1.94%	-1.94%	-1.94%	

Alignment Chain KC2
Station 347+00.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .031
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.886	.000	.829	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	6.099	6.123	6.139	6.147	6.030	6.033	6.035	6.180	6.170	6.148	6.116	S -1.492%
	-1.13%	-1.13%	-1.13%	1:2.00	-.27%	.	.27%	1:2.00	-1.49%	-1.49%	-1.49%	

Alignment Chain KC2
Station 347+20.000 Surface STAKE

F .021	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .022
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.790	.000	.839	1.120	1.810	3.300	5.400	@ 2.1

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

S -1.008%	6.254	6.275	6.290	6.297	6.132	6.130	6.127	6.268	6.260	6.245	6.223	S -1.048%
	-1.01%	-1.01%	-1.01%	1:2.00	.32%	.	-.32%	1:2.00	-1.05%	-1.05%	-1.05%	

Alignment Chain KC2
Station 347+40.000 Surface STAKE

F .029	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .001
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.678	.000	.875	1.120	1.810	3.300	5.400	@ 2.1
S -1.371%	6.379	6.408	6.428	6.438	6.217	6.214	6.210	6.333	6.332	6.332	6.331	S -0.040%
	-1.37%	-1.37%	-1.37%	1:2.00	.44%	.	-.44%	1:2.00	-.04%	-.04%	-.04%	

Alignment Chain KC2
Station 347+60.000 Surface STAKE

F .006	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .006
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.812	.000	.873	1.120	1.810	3.300	5.400	@ 2.1
S -0.282%	6.457	6.463	6.467	6.469	6.315	6.312	6.309	6.432	6.430	6.426	6.420	S -0.282%
	-.28%	-.28%	-.28%	1:2.00	.39%	.	-.39%	1:2.00	-.28%	-.28%	-.28%	

Alignment Chain KC2
Station 347+80.000 Surface STAKE

F .013	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .011
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.818	.000	.853	1.120	1.810	3.300	5.400	@ 2.1
S -0.605%	6.507	6.520	6.529	6.533	6.382	6.381	6.379	6.513	6.509	6.501	6.490	S -0.524%
	-.61%	-.61%	-.61%	1:2.00	.19%	.	-.19%	1:2.00	-.52%	-.52%	-.52%	

Alignment Chain KC2
Station 348+00.000 Surface STAKE

C .	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .003
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.959	.000	.984	1.120	1.810	3.300	5.400	@ 2.1
S 0.000%	6.578	6.578	6.578	6.578	6.498	6.495	6.492	6.560	6.559	6.558	6.555	S -0.121%
	.00%	.00%	.00%	1:2.00	.29%	.	-.29%	1:2.00	-.12%	-.12%	-.12%	

Alignment Chain KC2
Station 348+20.000 Surface STAKE

F .002	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .001
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.922	.000	.946	1.120	1.810	3.300	5.400	@ 2.1
S -0.081%	6.659	6.661	6.662	6.663	6.563	6.562	6.560	6.647	6.646	6.646	6.645	S -0.040%
	-.08%	-.08%	-.08%	1:2.00	.19%	.	-.19%	1:2.00	-.04%	-.04%	-.04%	

Alignment Chain KC2
Station 348+40.000 Surface STAKE

C .007	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .003
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.929	.000	.941	1.120	1.810	3.300	5.400	@ 2.1
S 0.323%	6.755	6.748	6.743	6.741	6.646	6.643	6.640	6.729	6.728	6.727	6.724	S -0.121%
	.32%	.32%	.32%	1:2.00	.30%	.	-.30%	1:2.00	-.12%	-.12%	-.12%	

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 348+60.000 Surface STAKE

C .001	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .009
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.917	.000	.944	1.120	1.810	3.300	5.400	@ 2.1
S 0.040%	6.838	6.837	6.837	6.836	6.735	6.731	6.727	6.814	6.811	6.805	6.795	S -0.444%
	.04%	.04%	.04%	1:2.00	.45%	.	-.45%	1:2.00	-.44%	-.44%	-.44%	

Alignment Chain KC2
Station 348+80.000 Surface STAKE

F .008	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .001
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.899	.000	.957	1.120	1.810	3.300	5.400	@ 2.1
S -0.403%	6.897	6.906	6.912	6.915	6.804	6.801	6.799	6.880	6.881	6.881	6.882	S 0.040%
	-.40%	-.40%	-.40%	1:2.00	.29%	.	-.29%	1:2.00	.04%	.04%	.04%	

Alignment Chain KC2
Station 349+00.000 Surface STAKE

F .006	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .003
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.840	.000	.915	1.120	1.810	3.300	5.400	@ 2.1
S -0.282%	6.990	6.996	7.000	7.002	6.862	6.859	6.856	6.959	6.960	6.961	6.964	S 0.121%
	-.28%	-.28%	-.28%	1:2.00	.36%	.	-.36%	1:2.00	.12%	.12%	.12%	

Alignment Chain KC2
Station 349+20.000 Surface STAKE

F .008	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .001
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.817	.000	.902	1.120	1.810	3.300	5.400	@ 2.1
S -0.403%	7.068	7.077	7.083	7.086	6.934	6.930	6.927	7.036	7.035	7.035	7.034	S -0.040%
	-.40%	-.40%	-.40%	1:2.00	.43%	.	-.43%	1:2.00	-.04%	-.04%	-.04%	

Alignment Chain KC2
Station 349+40.000 Surface STAKE

F .005	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .008
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.837	.000	.891	1.120	1.810	3.300	5.400	@ 2.1
S -0.242%	7.154	7.159	7.163	7.165	7.023	7.019	7.015	7.130	7.127	7.122	7.114	S -0.363%
	-.24%	-.24%	-.24%	1:2.00	.44%	.	-.44%	1:2.00	-.36%	-.36%	-.36%	

Alignment Chain KC2
Station 349+60.000 Surface STAKE

F .006	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .005
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.834	.000	.895	1.120	1.810	3.300	5.400	@ 2.1
S -0.282%	7.234	7.240	7.244	7.246	7.103	7.100	7.096	7.209	7.207	7.203	7.198	S -0.242%
	-.28%	-.28%	-.28%	1:2.00	.41%	.	-.41%	1:2.00	-.24%	-.24%	-.24%	

Alignment Chain KC2

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Station 349+80.000 Surface STAKE

F .022	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .006
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.785	.000	.895	1.120	1.810	3.300	5.400	@ 2.1
S -1.048%	7.335	7.357	7.372	7.380	7.212	7.209	7.206	7.318	7.316	7.312	7.306	S -0.282%
	-1.05%	-1.05%	-1.05%	1:2.00	.40%	.	-.40%	1:2.00	-.28%	-.28%	-.28%	

Alignment Chain KC2
Station 350+00.000 Surface STAKE

F .01	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .043
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.909	.000	.830	1.120	1.810	3.300	5.400	@ 2.1
S -0.484%	7.406	7.417	7.424	7.427	7.322	7.321	7.321	7.466	7.451	7.421	7.378	S -2.057%
	-.48%	-.48%	-.48%	1:2.00	.07%	.	-.07%	1:2.00	-2.06%	-2.06%	-2.06%	

Alignment Chain KC2
Station 350+20.000 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .037
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.813	.000	.826	1.120	1.810	3.300	5.400	@ 2.1
S -1.492%	7.446	7.478	7.500	7.510	7.357	7.355	7.353	7.500	7.488	7.462	7.424	S -1.774%
	-1.49%	-1.49%	-1.49%	1:2.00	.21%	.	-.21%	1:2.00	-1.77%	-1.77%	-1.77%	

Alignment Chain KC2
Station 350+40.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .017
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.787	.000	.866	1.120	1.810	3.300	5.400	@ 2.1
S -1.210%	7.486	7.511	7.529	7.538	7.371	7.368	7.365	7.492	7.487	7.475	7.458	S -0.806%
	-1.21%	-1.21%	-1.21%	1:2.00	.35%	.	-.35%	1:2.00	-.81%	-.81%	-.81%	

Alignment Chain KC2
Station 350+60.000 Surface STAKE

F .016	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .03
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.862	.000	.852	1.120	1.810	3.300	5.400	@ 2.1
S -0.766%	7.503	7.519	7.530	7.535	7.406	7.404	7.403	7.537	7.527	7.506	7.476	S -1.411%
	-.77%	-.77%	-.77%	1:2.00	.21%	.	-.21%	1:2.00	-1.41%	-1.41%	-1.41%	

Alignment Chain KC2
Station 350+80.000 Surface STAKE

F .021	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .046
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.875	.000	.835	1.120	1.810	3.300	5.400	@ 2.1
S -1.008%	7.502	7.523	7.538	7.545	7.423	7.421	7.419	7.562	7.547	7.514	7.469	S -2.177%
	-1.01%	-1.01%	-1.01%	1:2.00	.20%	.	-.20%	1:2.00	-2.18%	-2.18%	-2.18%	

Alignment Chain KC2
Station 351+00.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .03

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

@ 2.1	-5.400	-3.300	-1.810	-1.120	-.897	.000	.897	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	7.462	7.486	7.502	7.510	7.399	7.397	7.396	7.507	7.497	7.476	7.445	S -1.452%
	-1.13%	-1.13%	-1.13%	1:2.00	.15%	.	-.15%	1:2.00	-1.45%	-1.45%	-1.45%	

Alignment Chain KC2
Station 351+20.000 Surface STAKE

F .035	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .058
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.886	.000	.840	1.120	1.810	3.300	5.400	@ 2.1
S -1.653%	7.402	7.437	7.462	7.473	7.356	7.355	7.354	7.495	7.476	7.435	7.377	S -2.742%
	-1.65%	-1.65%	-1.65%	1:2.00	.09%	.	-.09%	1:2.00	-2.74%	-2.74%	-2.74%	

Alignment Chain KC2
Station 351+40.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .043
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.866	.000	.841	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	7.335	7.366	7.387	7.397	7.270	7.270	7.269	7.409	7.394	7.364	7.321	S -2.056%
	-1.45%	-1.45%	-1.45%	1:2.00	.07%	.	-.07%	1:2.00	-2.06%	-2.06%	-2.06%	

Alignment Chain KC2
Station 351+60.000 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .05
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.849	.000	.825	1.120	1.810	3.300	5.400	@ 2.1
S -1.492%	7.254	7.286	7.308	7.318	7.182	7.181	7.179	7.327	7.310	7.275	7.225	S -2.379%
	-1.49%	-1.49%	-1.49%	1:2.00	.20%	.	-.20%	1:2.00	-2.38%	-2.38%	-2.38%	

Alignment Chain KC2
Station 351+80.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .013
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.802	.000	.911	1.120	1.810	3.300	5.400	@ 2.1
S -1.210%	7.167	7.192	7.210	7.219	7.060	7.055	7.051	7.155	7.151	7.142	7.129	S -0.605%
	-1.21%	-1.21%	-1.21%	1:2.00	.53%	.	-.53%	1:2.00	-.61%	-.61%	-.61%	

Alignment Chain KC2
Station 352+00.000 Surface STAKE

F .02	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .043
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.880	.000	.836	1.120	1.810	3.300	5.400	@ 2.1
S -0.968%	7.081	7.101	7.116	7.122	7.002	7.001	7.000	7.142	7.127	7.097	7.054	S -2.056%
	-.97%	-.97%	-.97%	1:2.00	.14%	.	-.14%	1:2.00	-2.06%	-2.06%	-2.06%	

Alignment Chain KC2
Station 352+20.000 Surface STAKE

F .003	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .027
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.860	.000	.868	1.120	1.810	3.300	5.400	@ 2.1
S -0.161%	7.014	7.018	7.020	7.021	6.891	6.886	6.881	7.007	6.998	6.979	6.952	S -1.290%

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

	-.16%	-.16%	-.16%	1:2.00	.56%	.	-.56%	1:2.00	-1.29%	-1.29%	-1.29%	

Alignment Chain KC2
Station 352+40.000 Surface STAKE

F .006	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.909	.000	.841	1.120	1.810	3.300	5.400	@ 2.1
S -0.282%	6.927	6.933	6.937	6.939	6.834	6.832	6.830	6.969	6.956	6.927	6.887	S -1.935%
	-.28%	-.28%	-.28%	1:2.00	.20%	.	-.20%	1:2.00	-1.94%	-1.94%	-1.94%	

Alignment Chain KC2
Station 352+60.000 Surface STAKE

C .033	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.036	.000	.845	1.120	1.810	3.300	5.400	@ 2.1
S 1.573%	6.837	6.804	6.780	6.769	6.728	6.729	6.731	6.868	6.856	6.829	6.790	S -1.815%
	1.57%	1.57%	1.57%	1:2.00	-.15%	.	.15%	1:2.00	-1.82%	-1.82%	-1.82%	

Alignment Chain KC2
Station 352+80.000 Surface STAKE

C .012	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .08
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.025	.000	.771	1.120	1.810	3.300	5.400	@ 2.1
S 0.565%	6.772	6.760	6.751	6.747	6.700	6.703	6.706	6.880	6.854	6.798	6.718	S -3.790%
	.57%	.57%	.57%	1:2.00	-.31%	.	.31%	1:2.00	-3.79%	-3.79%	-3.79%	

Alignment Chain KC2
Station 353+00.000 Surface STAKE

C .088	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .067
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.896	.000	.825	1.120	1.810	3.300	5.400	@ 2.1
S 4.194%	6.694	6.606	6.543	6.514	6.626	6.651	6.673	6.821	6.799	6.751	6.685	S -3.185%
	4.19%	4.19%	4.19%	1:-2.00	-2.75%	.	2.75%	1:2.00	-3.19%	-3.19%	-3.19%	

Alignment Chain KC2
Station 353+20.000 Surface STAKE

C .094	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .111
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.798	.000	.702	1.120	1.810	3.300	5.400	@ 2.1
S 4.476%	6.602	6.508	6.442	6.411	6.572	6.605	6.633	6.842	6.806	6.727	6.616	S -5.282%
	4.48%	4.48%	4.48%	1:-2.00	-4.09%	.	4.09%	1:2.00	-5.28%	-5.28%	-5.28%	

Alignment Chain KC2
Station 353+40.000 Surface STAKE

C .105	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .099
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.590	.000	.896	1.120	1.810	3.300	5.400	@ 2.1
S 5.000%	6.517	6.412	6.337	6.303	6.568	6.589	6.620	6.732	6.699	6.629	6.530	S -4.718%
	5.00%	5.00%	5.00%	1:-2.00	-3.48%	.	3.48%	1:2.00	-4.72%	-4.72%	-4.72%	

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 353+60.000 Surface STAKE

C .099	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .076
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.714	.000	.833	1.120	1.810	3.300	5.400	@ 2.1
S 4.718%	6.423	6.324	6.254	6.221	6.424	6.454	6.489	6.632	6.607	6.553	6.477	S -3.629%
	4.72%	4.72%	4.72%	1:-2.00	-4.17%	.	4.17%	1:2.00	-3.63%	-3.63%	-3.63%	

Alignment Chain KC2
Station 353+80.000 Surface STAKE

C .102	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .109
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.685	.000	.768	1.120	1.810	3.300	5.400	@ 2.1
S 4.839%	6.362	6.261	6.188	6.155	6.373	6.403	6.437	6.613	6.577	6.499	6.390	S -5.202%
	4.84%	4.84%	4.84%	1:-2.00	-4.43%	.	4.43%	1:2.00	-5.20%	-5.20%	-5.20%	

Alignment Chain KC2
Station 354+00.000 Surface STAKE

C .108	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .119
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.655	.000	.729	1.120	1.810	3.300	5.400	@ 2.1
S 5.121%	6.309	6.201	6.125	6.090	6.322	6.353	6.388	6.584	6.545	6.460	6.341	S -5.685%
	5.12%	5.12%	5.12%	1:-2.00	-4.80%	.	4.80%	1:2.00	-5.69%	-5.69%	-5.69%	

Alignment Chain KC2
Station 354+20.000 Surface STAKE

C .108	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .088
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.722	.000	.793	1.120	1.810	3.300	5.400	@ 2.1
S 5.121%	6.218	6.110	6.034	5.999	6.197	6.227	6.260	6.424	6.395	6.332	6.244	S -4.193%
	5.12%	5.12%	5.12%	1:-2.00	-4.15%	.	4.15%	1:2.00	-4.19%	-4.19%	-4.19%	

Alignment Chain KC2
Station 354+40.000 Surface STAKE

C .132	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .109
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.664	.000	.727	1.120	1.810	3.300	5.400	@ 2.1
S 6.290%	6.170	6.038	5.944	5.901	6.129	6.159	6.192	6.388	6.352	6.274	6.165	S -5.202%
	6.29%	6.29%	6.29%	1:-2.00	-4.51%	.	4.51%	1:2.00	-5.20%	-5.20%	-5.20%	

Alignment Chain KC2
Station 354+60.000 Surface STAKE

C .089	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .115
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.812	.000	.739	1.120	1.810	3.300	5.400	@ 2.1
S 4.234%	6.100	6.011	5.948	5.918	6.072	6.102	6.129	6.319	6.281	6.200	6.084	S -5.484%
	4.23%	4.23%	4.23%	1:-2.00	-3.62%	.	3.62%	1:2.00	-5.48%	-5.48%	-5.48%	

Alignment Chain KC2
Station 354+80.000 Surface STAKE

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

C .135	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .116
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.622	.000	.724	1.120	1.810	3.300	5.400	@ 2.1
S 6.411%	6.002	5.867	5.772	5.727	5.976	6.006	6.040	6.238	6.200	6.117	6.001	S -5.524%
	6.41%	6.41%	6.41%	1:-2.00	-4.72%	.	4.72%	1:2.00	-5.52%	-5.52%	-5.52%	

Alignment Chain KC2
Station 355+00.000 Surface STAKE

C .101	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .103
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.830	.000	.734	1.120	1.810	3.300	5.400	@ 2.1
S 4.798%	5.929	5.828	5.757	5.724	5.869	5.897	5.923	6.115	6.082	6.008	5.905	S -4.919%
	4.80%	4.80%	4.80%	1:-2.00	-3.43%	.	3.43%	1:2.00	-4.92%	-4.92%	-4.92%	

Alignment Chain KC2
Station 355+20.000 Surface STAKE

C .097	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .115
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.769	.000	.713	1.120	1.810	3.300	5.400	@ 2.1
S 4.637%	5.832	5.735	5.666	5.634	5.810	5.842	5.871	6.075	6.037	5.956	5.840	S -5.484%
	4.64%	4.64%	4.64%	1:-2.00	-4.18%	.	4.18%	1:2.00	-5.48%	-5.48%	-5.48%	

Alignment Chain KC2
Station 355+40.000 Surface STAKE

C .097	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .086
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.782	.000	.780	1.120	1.810	3.300	5.400	@ 2.1
S 4.597%	5.748	5.652	5.583	5.552	5.721	5.752	5.783	5.953	5.924	5.864	5.778	S -4.073%
	4.60%	4.60%	4.60%	1:-2.00	-3.97%	.	3.97%	1:2.00	-4.07%	-4.07%	-4.07%	

Alignment Chain KC2
Station 355+60.000 Surface STAKE

C .093	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .091
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.816	.000	.757	1.120	1.810	3.300	5.400	@ 2.1
S 4.435%	5.672	5.579	5.513	5.483	5.634	5.665	5.694	5.875	5.845	5.781	5.690	S -4.315%
	4.44%	4.44%	4.44%	1:-2.00	-3.78%	.	3.78%	1:2.00	-4.32%	-4.32%	-4.32%	

Alignment Chain KC2
Station 355+80.000 Surface STAKE

C .061	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .058
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.969	.000	.866	1.120	1.810	3.300	5.400	@ 2.1
S 2.903%	5.619	5.558	5.514	5.494	5.570	5.591	5.611	5.738	5.719	5.678	5.620	S -2.742%
	2.90%	2.90%	2.90%	1:-2.00	-2.21%	.	2.21%	1:2.00	-2.74%	-2.74%	-2.74%	

Alignment Chain KC2
Station 356+00.000 Surface STAKE

C .012	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .034
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.076	.000	.906	1.120	1.810	3.300	5.400	@ 2.1

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

S 0.565%	5.545	5.533	5.524	5.520	5.498	5.506	5.513	5.620	5.609	5.585	5.551	S -1.613%
	.57%	.57%	.57%	1:2.00	-.75%	.	.75%	1:2.00	-1.61%	-1.61%	-1.61%	

Alignment Chain KC2
Station 356+20.000 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.963	.000	.904	1.120	1.810	3.300	5.400	@ 2.1
S -0.887%	5.460	5.478	5.492	5.498	5.419	5.421	5.423	5.531	5.519	5.494	5.458	S -1.694%
	-.89%	-.89%	-.89%	1:2.00	-.20%	.	.20%	1:2.00	-1.69%	-1.69%	-1.69%	

Alignment Chain KC2
Station 356+40.000 Surface STAKE

F .008	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .02
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.971	.000	.914	1.120	1.810	3.300	5.400	@ 2.1
S -0.403%	5.369	5.378	5.384	5.387	5.312	5.315	5.317	5.420	5.414	5.399	5.379	S -0.968%
	-.40%	-.40%	-.40%	1:2.00	-.27%	.	.27%	1:2.00	-.97%	-.97%	-.97%	

Alignment Chain KC2
Station 356+60.000 Surface STAKE

F .037	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.925	.000	.884	1.120	1.810	3.300	5.400	@ 2.1
S -1.774%	5.260	5.298	5.324	5.336	5.239	5.243	5.246	5.364	5.353	5.328	5.293	S -1.653%
	-1.77%	-1.77%	-1.77%	1:2.00	-.42%	.	.42%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 356+80.000 Surface STAKE

F .034	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.951	.000	.880	1.120	1.810	3.300	5.400	@ 2.1
S -1.613%	5.160	5.194	5.218	5.229	5.145	5.152	5.158	5.278	5.267	5.243	5.210	S -1.573%
	-1.61%	-1.61%	-1.61%	1:2.00	-.68%	.	.68%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 357+00.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .026
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.995	.000	.926	1.120	1.810	3.300	5.400	@ 2.1
S -1.694%	5.085	5.121	5.146	5.158	5.095	5.104	5.113	5.209	5.201	5.182	5.156	S -1.250%
	-1.69%	-1.69%	-1.69%	1:2.00	-.91%	.	.91%	1:2.00	-1.25%	-1.25%	-1.25%	

Alignment Chain KC2
Station 357+20.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .024
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.902	.000	.918	1.120	1.810	3.300	5.400	@ 2.1
S -1.936%	5.108	5.148	5.177	5.190	5.081	5.083	5.085	5.186	5.178	5.162	5.138	S -1.129%
	-1.94%	-1.94%	-1.94%	1:2.00	-.22%	.	.22%	1:2.00	-1.13%	-1.13%	-1.13%	

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 357+40.000 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .046
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.977	.000	.887	1.120	1.810	3.300	5.400	@ 2.1
S -0.887%	5.150	5.168	5.182	5.188	5.116	5.119	5.122	5.238	5.223	5.190	5.145	S -2.177%
	-.89%	-.89%	-.89%	1:2.00	-.28%	.	.28%	1:2.00	-2.18%	-2.18%	-2.18%	

Alignment Chain KC2
Station 357+60.000 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.934	.000	.889	1.120	1.810	3.300	5.400	@ 2.1
S -0.887%	5.180	5.198	5.212	5.218	5.125	5.126	5.126	5.242	5.231	5.208	5.176	S -1.532%
	-.89%	-.89%	-.89%	1:2.00	-.11%	.	.11%	1:2.00	-1.53%	-1.53%	-1.53%	

Alignment Chain KC2
Station 357+80.000 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .04
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.953	.000	.853	1.120	1.810	3.300	5.400	@ 2.1
S -0.847%	5.229	5.246	5.259	5.265	5.181	5.185	5.189	5.323	5.310	5.281	5.242	S -1.895%
	-.85%	-.85%	-.85%	1:2.00	-.42%	.	.42%	1:2.00	-1.90%	-1.90%	-1.90%	

Alignment Chain KC2
Station 358+00.000 Surface STAKE

F .027	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .03
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.932	.000	.891	1.120	1.810	3.300	5.400	@ 2.1
S -1.290%	5.290	5.317	5.336	5.345	5.251	5.254	5.257	5.372	5.362	5.341	5.311	S -1.411%
	-1.29%	-1.29%	-1.29%	1:2.00	-.32%	.	.32%	1:2.00	-1.41%	-1.41%	-1.41%	

Alignment Chain KC2
Station 358+20.000 Surface STAKE

F .014	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.975	.000	.891	1.120	1.810	3.300	5.400	@ 2.1
S -0.685%	5.372	5.386	5.396	5.401	5.329	5.332	5.336	5.451	5.440	5.416	5.383	S -1.573%
	-.69%	-.69%	-.69%	1:2.00	-.39%	.	.39%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 358+40.000 Surface STAKE

F .017	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .034
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.922	.000	.875	1.120	1.810	3.300	5.400	@ 2.1
S -0.806%	5.462	5.479	5.491	5.496	5.397	5.398	5.398	5.520	5.509	5.485	5.451	S -1.613%
	-.81%	-.81%	-.81%	1:2.00	-.04%	.	.04%	1:2.00	-1.61%	-1.61%	-1.61%	

Alignment Chain KC2

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Station 358+60.000 Surface STAKE

F .008	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .016
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.945	.000	.925	1.120	1.810	3.300	5.400	@ 2.1
S -0.363%	5.549	5.557	5.562	5.565	5.477	5.477	5.477	5.574	5.569	5.558	5.542	S -0.766%
	-.36%	-.36%	-.36%	1:2.00	.01%	.	-.01%	1:2.00	-.77%	-.77%	-.77%	

Alignment Chain KC2
Station 358+80.000 Surface STAKE

F .028	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.919	.000	.857	1.120	1.810	3.300	5.400	@ 2.1
S -1.331%	5.627	5.655	5.675	5.684	5.583	5.586	5.588	5.719	5.706	5.676	5.635	S -1.976%
	-1.33%	-1.33%	-1.33%	1:2.00	-.24%	.	.24%	1:2.00	-1.98%	-1.98%	-1.98%	

Alignment Chain KC2
Station 359+00.000 Surface STAKE

C .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.078	.000	.875	1.120	1.810	3.300	5.400	@ 2.1
S 2.218%	5.705	5.659	5.626	5.610	5.631	5.646	5.658	5.781	5.770	5.746	5.713	S -1.573%
	2.22%	2.22%	2.22%	1:-2.00	-1.37%	.	1.37%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 359+20.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .06
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.985	.000	.843	1.120	1.810	3.300	5.400	@ 2.1
S -1.169%	5.770	5.794	5.812	5.820	5.752	5.758	5.763	5.902	5.882	5.839	5.779	S -2.863%
	-1.17%	-1.17%	-1.17%	1:2.00	-.59%	.	.59%	1:2.00	-2.86%	-2.86%	-2.86%	

Alignment Chain KC2
Station 359+40.000 Surface STAKE

F .043	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.888	.000	.898	1.120	1.810	3.300	5.400	@ 2.1
S -2.056%	5.871	5.914	5.944	5.959	5.843	5.843	5.844	5.955	5.944	5.919	5.884	S -1.653%
	-2.06%	-2.06%	-2.06%	1:2.00	-.09%	.	.09%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 359+60.000 Surface STAKE

F .018	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .044
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.978	.000	.877	1.120	1.810	3.300	5.400	@ 2.1
S -0.847%	5.942	5.959	5.972	5.978	5.907	5.911	5.914	6.035	6.021	5.990	5.946	S -2.097%
	-.85%	-.85%	-.85%	1:2.00	-.39%	.	.39%	1:2.00	-2.10%	-2.10%	-2.10%	

Alignment Chain KC2
Station 359+80.000 Surface STAKE

F .003	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .048

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

@ 2.1	-5.400	-3.300	-1.810	-1.120	-.991	.000	1.057	1.120	1.810	3.300	5.400	@ 2.1
S -0.161%	6.018	6.022	6.024	6.025	5.960	5.965	5.971	6.002	6.018	6.052	6.100	S 2.298%
	-.16%	-.16%	-.16%	1:2.00	-.50%	.	.50%	1:2.00	2.30%	2.30%	2.30%	

Alignment Chain KC2
Station 360+00.000 Surface STAKE

F .022	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .027
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.929	.000	.922	1.120	1.810	3.300	5.400	@ 2.1
S -1.048%	6.115	6.137	6.152	6.160	6.064	6.064	6.063	6.162	6.153	6.134	6.107	S -1.290%
	-1.05%	-1.05%	-1.05%	1:2.00	.05%	.	-.05%	1:2.00	-1.29%	-1.29%	-1.29%	

Alignment Chain KC2
Station 360+20.000 Surface STAKE

F .023	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .021
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.875	.000	.902	1.120	1.810	3.300	5.400	@ 2.1
S -1.089%	6.188	6.211	6.227	6.234	6.112	6.110	6.109	6.218	6.211	6.196	6.175	S -1.008%
	-1.09%	-1.09%	-1.09%	1:2.00	.18%	.	-.18%	1:2.00	-1.01%	-1.01%	-1.01%	

Alignment Chain KC2
Station 360+40.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .027
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.915	.000	.905	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	6.270	6.294	6.310	6.318	6.216	6.216	6.216	6.323	6.314	6.295	6.268	S -1.290%
	-1.13%	-1.13%	-1.13%	1:2.00	-.01%	.	.01%	1:2.00	-1.29%	-1.29%	-1.29%	

Alignment Chain KC2
Station 360+60.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.856	.000	.850	1.120	1.810	3.300	5.400	@ 2.1
S -1.976%	6.336	6.377	6.407	6.420	6.288	6.289	6.290	6.425	6.413	6.386	6.347	S -1.815%
	-1.98%	-1.98%	-1.98%	1:2.00	-.12%	.	.12%	1:2.00	-1.82%	-1.82%	-1.82%	

Alignment Chain KC2
Station 360+80.000 Surface STAKE

F .028	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.937	.000	.899	1.120	1.810	3.300	5.400	@ 2.1
S -1.331%	6.415	6.443	6.463	6.472	6.380	6.383	6.386	6.497	6.487	6.467	6.438	S -1.371%
	-1.33%	-1.33%	-1.33%	1:2.00	-.33%	.	.33%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 361+00.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .047
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.918	.000	.839	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	6.508	6.532	6.548	6.556	6.455	6.457	6.458	6.599	6.583	6.550	6.504	S -2.218%

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

	-1.13%	-1.13%	-1.13%	1:2.00	-.18%	.	.18%	1:2.00	-2.22%	-2.22%	-2.22%	

Alignment Chain KC2
Station 361+20.000 Surface STAKE

F .04	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.878	.000	.873	1.120	1.810	3.300	5.400	@ 2.1
S -1.895%	6.566	6.605	6.634	6.647	6.525	6.526	6.527	6.650	6.638	6.611	6.572	S -1.815%
	-1.90%	-1.90%	-1.90%	1:2.00	-.07%	.	.07%	1:2.00	-1.82%	-1.82%	-1.82%	

Alignment Chain KC2
Station 361+40.000 Surface STAKE

F .038	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .043
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.861	.000	.854	1.120	1.810	3.300	5.400	@ 2.1
S -1.815%	6.660	6.699	6.726	6.738	6.608	6.608	6.608	6.741	6.726	6.696	6.653	S -2.056%
	-1.82%	-1.82%	-1.82%	1:2.00	.05%	.	-.05%	1:2.00	-2.06%	-2.06%	-2.06%	

Alignment Chain KC2
Station 361+60.000 Surface STAKE

F .023	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.909	.000	.794	1.120	1.810	3.300	5.400	@ 2.1
S -1.089%	6.736	6.759	6.775	6.782	6.677	6.681	6.685	6.848	6.834	6.804	6.762	S -2.016%
	-1.09%	-1.09%	-1.09%	1:2.00	-.47%	.	.47%	1:2.00	-2.02%	-2.02%	-2.02%	

Alignment Chain KC2
Station 361+80.000 Surface STAKE

F .02	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.929	.000	.837	1.120	1.810	3.300	5.400	@ 2.1
S -0.968%	6.809	6.829	6.844	6.850	6.755	6.759	6.762	6.904	6.892	6.867	6.831	S -1.694%
	-.97%	-.97%	-.97%	1:2.00	-.44%	.	.44%	1:2.00	-1.69%	-1.69%	-1.69%	

Alignment Chain KC2
Station 362+00.000 Surface STAKE

F .021	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.909	.000	.829	1.120	1.810	3.300	5.400	@ 2.1
S -1.008%	6.890	6.911	6.926	6.933	6.828	6.830	6.833	6.979	6.967	6.941	6.904	S -1.734%
	-1.01%	-1.01%	-1.01%	1:2.00	-.32%	.	.32%	1:2.00	-1.73%	-1.73%	-1.73%	

Alignment Chain KC2
Station 362+20.000 Surface STAKE

F .027	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .054
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.951	.000	.829	1.120	1.810	3.300	5.400	@ 2.1
S -1.290%	6.967	6.994	7.013	7.022	6.938	6.943	6.947	7.093	7.075	7.036	6.982	S -2.581%
	-1.29%	-1.29%	-1.29%	1:2.00	-.51%	.	.51%	1:2.00	-2.58%	-2.58%	-2.58%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 362+40.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.931	.000	.877	1.120	1.810	3.300	5.400	@ 2.1
S -1.169%	7.047	7.071	7.089	7.097	7.003	7.006	7.008	7.130	7.119	7.096	7.064	S -1.532%
	-1.17%	-1.17%	-1.17%	1:2.00	-.32%	.	.32%	1:2.00	-1.53%	-1.53%	-1.53%	

Alignment Chain KC2
Station 362+60.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.826	.000	.837	1.120	1.810	3.300	5.400	@ 2.1
S -1.694%	7.138	7.174	7.199	7.211	7.064	7.063	7.062	7.203	7.191	7.164	7.125	S -1.814%
	-1.69%	-1.69%	-1.69%	1:2.00	.13%	.	-.13%	1:2.00	-1.81%	-1.81%	-1.81%	

Alignment Chain KC2
Station 362+80.000 Surface STAKE

F .015	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.928	.000	.842	1.120	1.810	3.300	5.400	@ 2.1
S -0.726%	7.202	7.217	7.228	7.233	7.137	7.140	7.143	7.282	7.271	7.248	7.216	S -1.532%
	-.73%	-.73%	-.73%	1:2.00	-.35%	.	.35%	1:2.00	-1.53%	-1.53%	-1.53%	

Alignment Chain KC2
Station 363+00.000 Surface STAKE

C .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .034
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.046	.000	.839	1.120	1.810	3.300	5.400	@ 2.1
S 1.452%	7.314	7.283	7.262	7.252	7.215	7.219	7.223	7.363	7.352	7.328	7.294	S -1.613%
	1.45%	1.45%	1.45%	1:2.00	-.44%	.	.44%	1:2.00	-1.61%	-1.61%	-1.61%	

Alignment Chain KC2
Station 363+20.000 Surface STAKE

C .001	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.023	.000	.883	1.120	1.810	3.300	5.400	@ 2.1
S 0.040%	7.376	7.375	7.375	7.374	7.326	7.331	7.336	7.455	7.443	7.417	7.380	S -1.734%
	.04%	.04%	.04%	1:2.00	-.54%	.	.54%	1:2.00	-1.73%	-1.73%	-1.73%	

Alignment Chain KC2
Station 363+40.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .031
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.906	.000	.889	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	7.439	7.470	7.491	7.501	7.394	7.396	7.397	7.512	7.502	7.480	7.448	S -1.492%
	-1.45%	-1.45%	-1.45%	1:2.00	-.13%	.	.13%	1:2.00	-1.49%	-1.49%	-1.49%	

Alignment Chain KC2
Station 363+60.000 Surface STAKE

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

F .015	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .004
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.925	.000	.953	1.120	1.810	3.300	5.400	@ 2.1
S -0.726%	7.524	7.539	7.550	7.555	7.457	7.457	7.457	7.541	7.539	7.536	7.532	S -0.202%
	-.73%	-.73%	-.73%	1:2.00	.01%	.	-.01%	1:2.00	-.20%	-.20%	-.20%	

Alignment Chain KC2
Station 363+80.000 Surface STAKE

F .013	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.873	.000	.928	1.120	1.810	3.300	5.400	@ 2.1
S -0.605%	7.603	7.616	7.625	7.629	7.506	7.505	7.503	7.599	7.599	7.599	7.599	S 0.000%
	-.61%	-.61%	-.61%	1:2.00	.17%	.	-.17%	1:2.00	.00%	.00%	.00%	

Alignment Chain KC2
Station 364+00.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.975	.000	1.109	1.120	1.810	3.300	5.400	@ 2.1
S -1.210%	7.665	7.690	7.708	7.717	7.644	7.639	7.634	7.628	7.639	7.663	7.696	S 1.573%
	-1.21%	-1.21%	-1.21%	1:2.00	.48%	.	-.48%	1:-2.00	1.57%	1.57%	1.57%	

Alignment Chain KC2
Station 364+20.000 Surface STAKE

F .043	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .019
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.872	.000	1.086	1.120	1.810	3.300	5.400	@ 2.1
S -2.056%	7.761	7.804	7.834	7.849	7.725	7.718	7.710	7.727	7.733	7.747	7.766	S 0.927%
	-2.06%	-2.06%	-2.06%	1:2.00	.78%	.	-.78%	1:2.00	.93%	.93%	.93%	

Alignment Chain KC2
Station 364+40.000 Surface STAKE

F .043	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .048
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.782	.000	1.097	1.120	1.810	3.300	5.400	@ 2.1
S -2.056%	7.837	7.880	7.910	7.925	7.756	7.750	7.741	7.753	7.769	7.803	7.851	S 2.298%
	-2.06%	-2.06%	-2.06%	1:2.00	.77%	.	-.77%	1:2.00	2.30%	2.30%	2.30%	

Alignment Chain KC2
Station 364+60.000 Surface STAKE

F .027	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .071
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.902	.000	1.020	1.120	1.810	3.300	5.400	@ 2.1
S -1.290%	7.920	7.947	7.966	7.975	7.866	7.853	7.837	7.787	7.811	7.861	7.932	S 3.387%
	-1.29%	-1.29%	-1.29%	1:2.00	1.52%	.	-1.52%	1:-2.00	3.39%	3.39%	3.39%	

Alignment Chain KC2
Station 364+80.000 Surface STAKE

F .035	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .09
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.881	.000	1.001	1.120	1.810	3.300	5.400	@ 2.1

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

S -1.653%	7.975	8.010	8.035	8.046	7.927	7.914	7.900	7.841	7.870	7.934	8.024	S 4.274%
	-1.65%	-1.65%	-1.65%	1:2.00	1.40%	.	-1.40%	1:-2.00	4.27%	4.27%	4.27%	

Alignment Chain KC2
Station 365+00.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .085
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.863	.000	1.059	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	8.037	8.068	8.089	8.099	7.971	7.964	7.955	7.924	7.952	8.012	8.097	S 4.032%
	-1.45%	-1.45%	-1.45%	1:2.00	.84%	.	-.84%	1:-2.00	4.03%	4.03%	4.03%	

Alignment Chain KC2
Station 365+20.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .093
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.819	.000	1.102	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	8.049	8.094	8.127	8.142	7.991	7.992	7.993	7.985	8.015	8.081	8.174	S 4.435%
	-2.18%	-2.18%	-2.18%	1:2.00	-.11%	.	.11%	1:-2.00	4.44%	4.44%	4.44%	

Alignment Chain KC2
Station 365+40.000 Surface STAKE

F .039	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .084
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.933	.000	1.095	1.120	1.810	3.300	5.400	@ 2.1
S -1.855%	8.050	8.089	8.117	8.130	8.036	8.047	8.060	8.073	8.100	8.160	8.244	S 3.992%
	-1.86%	-1.86%	-1.86%	1:2.00	-1.18%	.	1.18%	1:2.00	3.99%	3.99%	3.99%	

Alignment Chain KC2
Station 365+60.000 Surface STAKE

F .038	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .082
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.052	.000	1.051	1.120	1.810	3.300	5.400	@ 2.1
S -1.815%	8.016	8.055	8.082	8.094	8.060	8.089	8.118	8.152	8.179	8.238	8.320	S 3.911%
	-1.82%	-1.82%	-1.82%	1:2.00	-2.77%	.	2.77%	1:2.00	3.91%	3.91%	3.91%	

Alignment Chain KC2
Station 365+80.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .083
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.099	.000	1.049	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	7.985	8.016	8.037	8.047	8.037	8.141	8.241	8.206	8.233	8.292	8.375	S 3.952%
	-1.45%	-1.45%	-1.45%	1:2.00	-9.50%	.	9.50%	1:-2.00	3.95%	3.95%	3.95%	

Alignment Chain KC2
Station 366+00.000 Surface STAKE

F .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .084
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.030	.000	.728	1.120	1.810	3.300	5.400	@ 2.1
S -2.218%	7.942	7.988	8.021	8.037	7.991	8.030	8.057	8.253	8.280	8.340	8.424	S 3.992%
	-2.22%	-2.22%	-2.22%	1:2.00	-3.72%	.	3.72%	1:2.00	3.99%	3.99%	3.99%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 366+20.000 Surface STAKE

F .089	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .089
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.952	.000	.645	1.120	1.810	3.300	5.400	@ 2.1
S -4.234%	7.839	7.928	7.991	8.021	7.937	7.979	8.007	8.244	8.274	8.337	8.426	S 4.234%
	-4.23%	-4.23%	-4.23%	1:2.00	-4.40%	.	4.40%	1:2.00	4.23%	4.23%	4.23%	

Alignment Chain KC2
Station 366+40.000 Surface STAKE

F .049	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .077
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.047	.000	.675	1.120	1.810	3.300	5.400	@ 2.1
S -2.339%	7.845	7.894	7.929	7.945	7.909	7.991	8.045	8.267	8.292	8.347	8.424	S 3.669%
	-2.34%	-2.34%	-2.34%	1:2.00	-7.90%	.	7.90%	1:2.00	3.67%	3.67%	3.67%	

Alignment Chain KC2
Station 366+60.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .094
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.056	.000	.701	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	7.785	7.830	7.863	7.878	7.846	7.938	8.000	8.209	8.240	8.306	8.400	S 4.476%
	-2.18%	-2.18%	-2.18%	1:2.00	-8.75%	.	8.75%	1:2.00	4.48%	4.48%	4.48%	

Alignment Chain KC2
Station 366+80.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .091
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.087	.000	.685	1.120	1.810	3.300	5.400	@ 2.1
S -1.169%	7.772	7.796	7.814	7.822	7.806	7.893	7.949	8.166	8.196	8.261	8.353	S 4.355%
	-1.17%	-1.17%	-1.17%	1:2.00	-8.07%	.	8.07%	1:2.00	4.36%	4.36%	4.36%	

Alignment Chain KC2
Station 367+00.000 Surface STAKE

F .053	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .082
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.040	.000	.656	1.120	1.810	3.300	5.400	@ 2.1
S -2.540%	7.682	7.735	7.773	7.791	7.751	7.833	7.886	8.117	8.144	8.203	8.285	S 3.911%
	-2.54%	-2.54%	-2.54%	1:2.00	-7.96%	.	7.96%	1:2.00	3.91%	3.91%	3.91%	

Alignment Chain KC2
Station 367+20.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .084
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.089	.000	.861	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	7.614	7.651	7.677	7.689	7.673	7.812	7.922	8.052	8.079	8.139	8.223	S 3.992%
	-1.73%	-1.73%	-1.73%	1:2.00	-12.79%	.	12.79%	1:2.00	3.99%	3.99%	3.99%	

Alignment Chain KC2

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Station 367+40.000 Surface STAKE

F .053	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .089
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.062	.000	.895	1.120	1.810	3.300	5.400	@ 2.1
S -2.500%	7.563	7.616	7.653	7.670	7.641	7.761	7.862	7.974	8.004	8.067	8.156	S 4.234%
	-2.50%	-2.50%	-2.50%	1:2.00	-11.28%	.	11.28%	1:2.00	4.23%	4.23%	4.23%	

Alignment Chain KC2
Station 367+60.000 Surface STAKE

F .055	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .088
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.065	.000	.967	1.120	1.810	3.300	5.400	@ 2.1
S -2.621%	7.512	7.567	7.606	7.624	7.597	7.726	7.844	7.920	7.949	8.012	8.100	S 4.193%
	-2.62%	-2.62%	-2.62%	1:2.00	-12.15%	.	12.15%	1:2.00	4.19%	4.19%	4.19%	

Alignment Chain KC2
Station 367+80.000 Surface STAKE

F .052	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .085
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.074	.000	.984	1.120	1.810	3.300	5.400	@ 2.1
S -2.460%	7.452	7.504	7.540	7.557	7.534	7.673	7.800	7.868	7.896	7.956	8.041	S 4.032%
	-2.46%	-2.46%	-2.46%	1:2.00	-12.93%	.	12.93%	1:2.00	4.03%	4.03%	4.03%	

Alignment Chain KC2
Station 368+00.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .073
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.049	.000	.519	1.120	1.810	3.300	5.400	@ 2.1
S -1.935%	7.398	7.438	7.467	7.480	7.445	7.499	7.527	7.827	7.851	7.902	7.975	S 3.468%
	-1.94%	-1.94%	-1.94%	1:2.00	-5.22%	.	5.22%	1:2.00	3.47%	3.47%	3.47%	

Alignment Chain KC2
Station 368+20.000 Surface STAKE

F .038	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .086
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.038	.000	.425	1.120	1.810	3.300	5.400	@ 2.1
S -1.815%	7.327	7.366	7.393	7.405	7.364	7.382	7.390	7.737	7.766	7.826	7.912	S 4.073%
	-1.82%	-1.82%	-1.82%	1:2.00	-1.77%	.	1.77%	1:2.00	4.07%	4.07%	4.07%	

Alignment Chain KC2
Station 368+40.000 Surface STAKE

F .06	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .08
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.966	.000	.282	1.120	1.810	3.300	5.400	@ 2.1
S -2.863%	7.270	7.330	7.373	7.393	7.316	7.281	7.271	7.690	7.716	7.773	7.854	S 3.831%
	-2.86%	-2.86%	-2.86%	1:2.00	3.59%	.	-3.59%	1:2.00	3.83%	3.83%	3.83%	

Alignment Chain KC2
Station 368+60.000 Surface STAKE

F .061	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .086

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.003	.000	.574	1.120	1.810	3.300	5.400	@ 2.1
S -2.903%	7.223	7.284	7.328	7.348	7.289	7.330	7.353	7.626	7.654	7.715	7.802	S 4.113%
	-2.90%	-2.90%	-2.90%	1:2.00	-4.04%	.	4.04%	1:2.00	4.11%	4.11%	4.11%	

Alignment Chain KC2
Station 368+80.000 Surface STAKE

F .003	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .094
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.067	.000	1.031	1.120	1.810	3.300	5.400	@ 2.1
S -0.121%	7.219	7.222	7.223	7.224	7.198	7.350	7.497	7.542	7.573	7.639	7.733	S 4.476%
	-.12%	-.12%	-.12%	1:2.00	-14.27%	.	14.27%	1:2.00	4.48%	4.48%	4.48%	

Alignment Chain KC2
Station 369+00.000 Surface STAKE

F .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .086
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.067	.000	1.006	1.120	1.810	3.300	5.400	@ 2.1
S -2.258%	7.095	7.142	7.176	7.191	7.165	7.305	7.437	7.494	7.523	7.583	7.669	S 4.073%
	-2.26%	-2.26%	-2.26%	1:2.00	-13.16%	.	13.16%	1:2.00	4.07%	4.07%	4.07%	

Alignment Chain KC2
Station 369+20.000 Surface STAKE

F .055	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .078
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.050	.000	.824	1.120	1.810	3.300	5.400	@ 2.1
S -2.621%	7.053	7.108	7.147	7.165	7.130	7.221	7.292	7.440	7.466	7.521	7.599	S 3.710%
	-2.62%	-2.62%	-2.62%	1:2.00	-8.65%	.	8.65%	1:2.00	3.71%	3.71%	3.71%	

Alignment Chain KC2
Station 369+40.000 Surface STAKE

F .062	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .082
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.026	.000	.830	1.120	1.810	3.300	5.400	@ 2.1
S -2.944%	6.960	7.022	7.066	7.086	7.039	7.152	7.244	7.388	7.415	7.474	7.556	S 3.911%
	-2.94%	-2.94%	-2.94%	1:2.00	-11.00%	.	11.00%	1:2.00	3.91%	3.91%	3.91%	

Alignment Chain KC2
Station 369+60.000 Surface STAKE

F .052	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .101
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.089	.000	.886	1.120	1.810	3.300	5.400	@ 2.1
S -2.460%	6.926	6.978	7.014	7.031	7.016	7.099	7.167	7.284	7.317	7.388	7.489	S 4.798%
	-2.46%	-2.46%	-2.46%	1:2.00	-7.66%	.	7.66%	1:2.00	4.80%	4.80%	4.80%	

Alignment Chain KC2
Station 369+80.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .111
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.035	.000	.898	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	6.834	6.879	6.912	6.927	6.884	6.984	7.070	7.181	7.217	7.296	7.407	S 5.282%

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

	-2.18%	-2.18%	-2.18%	1:2.00	-9.60%	.	9.60%	1:2.00	5.28%	5.28%	5.28%	

Alignment Chain KC2
Station 370+00.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .082
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.011	.000	.839	1.120	1.810	3.300	5.400	@ 2.1
S -1.976%	6.795	6.836	6.866	6.879	6.824	6.944	7.043	7.183	7.210	7.269	7.351	S 3.911%
	-1.98%	-1.98%	-1.98%	1:2.00	-11.82%	.	11.82%	1:2.00	3.91%	3.91%	3.91%	

Alignment Chain KC2
Station 370+20.000 Surface STAKE

F .05	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .097
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.949	.000	1.026	1.120	1.810	3.300	5.400	@ 2.1
S -2.379%	6.724	6.774	6.809	6.826	6.740	6.884	7.039	7.087	7.118	7.187	7.283	S 4.597%
	-2.38%	-2.38%	-2.38%	1:2.00	1:-6.59	.	1:6.59	1:2.00	4.60%	4.60%	4.60%	

Alignment Chain KC2
Station 370+40.000 Surface STAKE

F .045	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .084
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.945	.000	.936	1.120	1.810	3.300	5.400	@ 2.1
S -2.137%	6.681	6.726	6.757	6.772	6.685	6.826	6.966	7.058	7.085	7.145	7.229	S 3.992%
	-2.14%	-2.14%	-2.14%	1:2.00	-14.96%	.	14.96%	1:2.00	3.99%	3.99%	3.99%	

Alignment Chain KC2
Station 370+60.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .113
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.036	.000	1.088	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	6.622	6.659	6.685	6.697	6.654	6.793	6.939	6.922	6.960	7.040	7.154	S 5.403%
	-1.73%	-1.73%	-1.73%	1:2.00	-13.38%	.	13.38%	1:-2.00	5.40%	5.40%	5.40%	

Alignment Chain KC2
Station 370+80.000 Surface STAKE

F .038	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .108
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.923	.000	.903	1.120	1.810	3.300	5.400	@ 2.1
S -1.814%	6.563	6.602	6.629	6.641	6.542	6.646	6.748	6.857	6.892	6.968	7.076	S 5.121%
	-1.81%	-1.81%	-1.81%	1:2.00	-11.27%	.	11.27%	1:2.00	5.12%	5.12%	5.12%	

Alignment Chain KC2
Station 371+00.000 Surface STAKE

F .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .126
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.958	.000	.892	1.120	1.810	3.300	5.400	@ 2.1
S -2.218%	6.512	6.558	6.591	6.607	6.526	6.593	6.656	6.770	6.812	6.901	7.027	S 6.008%
	-2.22%	-2.22%	-2.22%	1:2.00	-7.05%	.	7.05%	1:2.00	6.01%	6.01%	6.01%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 371+20.000 Surface STAKE

F .04	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .109
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.886	.000	.762	1.120	1.810	3.300	5.400	@ 2.1
S -1.895%	6.455	6.494	6.523	6.536	6.419	6.502	6.574	6.753	6.789	6.867	6.976	S 5.202%
	-1.90%	-1.90%	-1.90%	1:2.00	-9.44%	.	9.44%	1:2.00	5.20%	5.20%	5.20%	

Alignment Chain KC2
Station 371+40.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .092
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.950	.000	.562	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	6.384	6.421	6.447	6.459	6.373	6.417	6.443	6.722	6.753	6.818	6.910	S 4.395%
	-1.73%	-1.73%	-1.73%	1:2.00	-4.63%	.	4.63%	1:2.00	4.40%	4.40%	4.40%	

Alignment Chain KC2
Station 371+60.000 Surface STAKE

F .056	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .116
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.894	.000	.918	1.120	1.810	3.300	5.400	@ 2.1
S -2.661%	6.340	6.396	6.436	6.454	6.341	6.434	6.530	6.631	6.669	6.752	6.868	S 5.524%
	-2.66%	-2.66%	-2.66%	1:2.00	-10.45%	.	10.45%	1:2.00	5.52%	5.52%	5.52%	

Alignment Chain KC2
Station 371+80.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .101
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.973	.000	.856	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	6.303	6.348	6.381	6.396	6.323	6.406	6.479	6.611	6.644	6.715	6.816	S 4.798%
	-2.18%	-2.18%	-2.18%	1:2.00	-8.53%	.	8.53%	1:2.00	4.80%	4.80%	4.80%	

Alignment Chain KC2
Station 372+00.000 Surface STAKE

F .057	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .107
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.948	.000	.942	1.120	1.810	3.300	5.400	@ 2.1
S -2.702%	6.269	6.326	6.366	6.385	6.299	6.382	6.464	6.553	6.589	6.664	6.771	S 5.081%
	-2.70%	-2.70%	-2.70%	1:2.00	-8.77%	.	8.77%	1:2.00	5.08%	5.08%	5.08%	

Alignment Chain KC2
Station 372+20.000 Surface STAKE

F .05	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .109
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.934	.000	.850	1.120	1.810	3.300	5.400	@ 2.1
S -2.379%	6.182	6.232	6.267	6.284	6.191	6.265	6.332	6.467	6.503	6.581	6.690	S 5.202%
	-2.38%	-2.38%	-2.38%	1:2.00	-7.91%	.	7.91%	1:2.00	5.20%	5.20%	5.20%	

Alignment Chain KC2
Station 372+40.000 Surface STAKE

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

F .043	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .093
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.046	.000	.840	1.120	1.810	3.300	5.400	@ 2.1
S -2.057%	6.114	6.157	6.187	6.202	6.165	6.238	6.297	6.437	6.467	6.533	6.626	S 4.435%
	-2.06%	-2.06%	-2.06%	1:2.00	-7.01%	.	7.01%	1:2.00	4.44%	4.44%	4.44%	

Alignment Chain KC2
Station 372+60.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .127
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.037	.000	.863	1.120	1.810	3.300	5.400	@ 2.1
S -1.936%	6.052	6.092	6.121	6.134	6.093	6.128	6.158	6.286	6.328	6.418	6.545	S 6.048%
	-1.94%	-1.94%	-1.94%	1:2.00	-3.42%	.	3.42%	1:2.00	6.05%	6.05%	6.05%	

Alignment Chain KC2
Station 372+80.000 Surface STAKE

F .045	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .111
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.940	.000	.705	1.120	1.810	3.300	5.400	@ 2.1
S -2.137%	5.965	6.010	6.041	6.056	5.966	6.017	6.054	6.262	6.298	6.377	6.488	S 5.282%
	-2.14%	-2.14%	-2.14%	1:2.00	-5.35%	.	5.35%	1:2.00	5.28%	5.28%	5.28%	

Alignment Chain KC2
Station 373+00.000 Surface STAKE

F .053	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .115
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.867	.000	.809	1.120	1.810	3.300	5.400	@ 2.1
S -2.540%	5.903	5.956	5.994	6.012	5.885	5.958	6.025	6.181	6.219	6.300	6.416	S 5.484%
	-2.54%	-2.54%	-2.54%	1:2.00	-8.37%	.	8.37%	1:2.00	5.48%	5.48%	5.48%	

Alignment Chain KC2
Station 373+20.000 Surface STAKE

F .049	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .077
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.856	.000	.605	1.120	1.810	3.300	5.400	@ 2.1
S -2.339%	5.859	5.908	5.943	5.959	5.827	5.889	5.932	6.190	6.215	6.270	6.347	S 3.669%
	-2.34%	-2.34%	-2.34%	1:2.00	-7.21%	.	7.21%	1:2.00	3.67%	3.67%	3.67%	

Alignment Chain KC2
Station 373+40.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .098
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.970	.000	.766	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	5.817	5.848	5.869	5.879	5.804	5.869	5.921	6.098	6.130	6.200	6.298	S 4.677%
	-1.45%	-1.45%	-1.45%	1:2.00	-6.73%	.	6.73%	1:2.00	4.68%	4.68%	4.68%	

Alignment Chain KC2
Station 373+60.000 Surface STAKE

F .055	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .112
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.864	.000	.852	1.120	1.810	3.300	5.400	@ 2.1

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

S -2.621%	5.744	5.799	5.838	5.856	5.728	5.801	5.873	6.007	6.044	6.123	6.235	S 5.322%
	-2.62%	-2.62%	-2.62%	1:2.00	-8.43%	.	8.43%	1:2.00	5.32%	5.32%	5.32%	

Alignment Chain KC2
Station 373+80.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .093
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.957	.000	.931	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	5.702	5.726	5.742	5.750	5.669	5.791	5.910	6.005	6.035	6.101	6.194	S 4.435%
	-1.13%	-1.13%	-1.13%	1:2.00	-12.77%	.	12.77%	1:2.00	4.44%	4.44%	4.44%	

Alignment Chain KC2
Station 374+00.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .066
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.997	.000	.777	1.120	1.810	3.300	5.400	@ 2.1
S -1.935%	5.598	5.638	5.667	5.680	5.619	5.723	5.803	5.975	5.997	6.043	6.109	S 3.145%
	-1.94%	-1.94%	-1.94%	1:2.00	-10.38%	.	10.38%	1:2.00	3.15%	3.15%	3.15%	

Alignment Chain KC2
Station 374+20.000 Surface STAKE

F .029	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.005	.000	.613	1.120	1.810	3.300	5.400	@ 2.1
S -1.371%	5.540	5.569	5.589	5.599	5.541	5.663	5.736	5.990	6.002	6.029	6.068	S 1.815%
	-1.37%	-1.37%	-1.37%	1:2.00	-12.05%	.	12.05%	1:2.00	1.82%	1.82%	1.82%	

Alignment Chain KC2
Station 374+40.000 Surface STAKE

F .032	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .02
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.937	.000	.451	1.120	1.810	3.300	5.400	@ 2.1
S -1.532%	5.489	5.521	5.544	5.555	5.463	5.593	5.655	5.990	5.996	6.011	6.031	S 0.968%
	-1.53%	-1.53%	-1.53%	1:2.00	-13.83%	.	13.83%	1:2.00	.97%	.97%	.97%	

Alignment Chain KC2
Station 374+60.000 Surface STAKE

F .052	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.767	.000	.278	1.120	1.810	3.300	5.400	@ 2.1
S -2.460%	5.428	5.480	5.516	5.533	5.357	5.480	5.524	5.945	5.951	5.964	5.981	S 0.847%
	-2.46%	-2.46%	-2.46%	1:2.00	1:-6.23	.	1:6.23	1:2.00	.85%	.85%	.85%	

Alignment Chain KC2
Station 374+80.000 Surface STAKE

C .018	EP	EP	HP	CP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-1.190	-1.120	-.890	-.880	-.357	.000	.716	1.120	1.810	3.300	5.400	@ 2.1
S 0.847%	5.338	5.337	5.332	5.679	5.719	5.746	5.800	6.002	5.991	5.968	5.936	S -1.532%
	.85%	2.35%	1:-0.03	-7.58%	-7.58%	.	7.58%	1:2.00	-1.53%	-1.53%	-1.53%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

			ETW	S/C	ES							
			-5.400	-3.300	-1.810							
			5.373	5.356	5.343							
			.85%	.85%	.85%							

Alignment Chain KC2
Station 374+92.000 Surface STAKE

C .038	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .03
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.448	1.720	2.410	3.300	5.400	@ 2.1
S 1.820%	5.321	5.305	5.293	5.287	5.626	5.747	5.865	6.001	5.991	5.979	5.949	S -1.418%
	1.82%	1.82%	2.00%	1:-0.03	-8.17%	.	8.17%	1:2.00	-1.42%	-1.42%	-1.42%	

					ETW							
					-5.400							
					5.359							
					1.82%							

Alignment Chain KC2
Station 375+00.000 Surface STAKE

C .048	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .028
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.499	1.720	2.410	3.300	5.400	@ 2.1
S 2.298%	5.302	5.281	5.267	5.261	5.654	5.774	5.896	6.006	5.997	5.985	5.957	S -1.331%
	2.30%	2.30%	2.00%	1:-0.03	-8.11%	.	8.11%	1:2.00	-1.33%	-1.33%	-1.33%	

					ETW							
					-5.400							
					5.350							
					2.30%							

Alignment Chain KC2
Station 375+20.000 Surface STAKE

C .041	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.472	1.720	2.410	3.300	5.400	@ 2.1
S 1.976%	5.337	5.319	5.307	5.301	5.730	5.871	6.011	6.135	6.123	6.108	6.071	S -1.734%
	1.98%	1.98%	2.00%	1:-0.02	-9.54%	.	9.54%	1:2.00	-1.73%	-1.73%	-1.73%	

					ETW							
					-5.400							
					5.378							
					1.98%							

Alignment Chain KC2
Station 375+40.000 Surface STAKE

C .062	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .053

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.582	1.720	2.410	3.300	5.400	@ 2.1
S 2.944%	5.410	5.384	5.365	5.359	5.971	6.125	6.290	6.359	6.342	6.319	6.267	S -2.500%
	2.94%	2.94%	2.00%	1:-0.02	-10.40%	.	10.40%	1:2.00	-2.50%	-2.50%	-2.50%	

					ETW							
					-5.400							
					5.472							
					2.94%							

Alignment Chain KC2
Station 375+60.000 Surface STAKE

C .117	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .049
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.606	1.720	2.410	3.300	5.400	@ 2.1
S 5.565%	5.507	5.457	5.423	5.417	6.112	6.321	6.549	6.606	6.590	6.569	6.520	S -2.339%
	5.57%	5.57%	2.00%	1:-0.01	-14.17%	.	14.17%	1:2.00	-2.34%	-2.34%	-2.34%	

					ETW							
					-5.400							
					5.624							
					5.57%							

Alignment Chain KC2
Station 375+80.000 Surface STAKE

C .066	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .036
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.681	1.720	2.410	3.300	5.400	@ 2.1
S 3.145%	5.773	5.745	5.726	5.720	6.421	6.658	6.927	6.947	6.935	6.920	6.884	S -1.694%
	3.15%	3.15%	2.00%	1:-0.01	1:-6.25	.	1:6.25	1:2.00	-1.69%	-1.69%	-1.69%	

					ETW							
					-5.400							
					5.839							
					3.15%							

Alignment Chain KC2
Station 376+00.000 Surface STAKE

C .047	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .072
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.621	1.720	2.410	3.300	5.400	@ 2.1
S 2.218%	6.043	6.023	6.009	6.003	6.736	7.018	7.327	7.377	7.353	7.323	7.251	S -3.427%
	2.22%	2.22%	2.00%	1:-0.01	1:-5.24	.	1:5.24	1:2.00	-3.43%	-3.43%	-3.43%	

					ETW							
					-5.400							
					6.089							
					2.22%							

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 376+20.000 Surface STAKE

C .093	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.588	1.720	2.410	3.300	5.400	@ 2.1
S 4.436%	6.295	6.256	6.228	6.222	6.984	7.310	7.659	7.725	7.713	7.698	7.661	S -1.734%
	4.44%	4.44%	2.00%	1:-0.01	1:-4.55	.	1:4.55	1:2.00	-1.73%	-1.73%	-1.73%	

					ETW							
					-5.400							
					6.388							
					4.44%							

Alignment Chain KC2
Station 376+40.000 Surface STAKE

C .116	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .057
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.563	1.720	2.410	3.300	5.400	@ 2.1
S 5.524%	6.630	6.580	6.546	6.540	7.347	7.693	8.058	8.137	8.118	8.094	8.037	S -2.702%
	5.52%	5.52%	2.00%	1:-0.01	1:-4.28	.	1:4.28	1:2.00	-2.70%	-2.70%	-2.70%	

					ETW							
					-5.400							
					6.746							
					5.52%							

Alignment Chain KC2
Station 376+60.000 Surface STAKE

C .113	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.581	1.720	2.410	3.300	5.400	@ 2.1
S 5.363%	6.972	6.924	6.891	6.885	7.768	8.105	8.466	8.535	8.522	8.504	8.463	S -1.976%
	5.36%	5.36%	2.00%	1:-0.01	1:-4.39	.	1:4.39	1:2.00	-1.98%	-1.98%	-1.98%	

					ETW							
					-5.400							
					7.085							
					5.36%							

Alignment Chain KC2
Station 376+80.000 Surface STAKE

C .113	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .052
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.562	1.720	2.410	3.300	5.400	@ 2.1
S 5.363%	7.291	7.243	7.210	7.204	8.068	8.454	8.861	8.940	8.923	8.900	8.848	S -2.500%
	5.36%	5.36%	2.00%	1:-0.01	1:-3.84	.	1:3.84	1:2.00	-2.50%	-2.50%	-2.50%	

					ETW							
					-5.400							

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

					7.404							
					5.36%							

Alignment Chain KC2
Station 377+00.000 Surface STAKE

C .119	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .037
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.477	1.720	2.410	3.300	5.400	@ 2.1
S 5.686%	7.597	7.546	7.511	7.505	8.370	8.788	9.206	9.328	9.315	9.300	9.262	S -1.774%
	5.69%	5.69%	2.00%	1:-0.01	1:-3.53	.	1:3.53	1:2.00	-1.77%	-1.77%	-1.77%	

					ETW							
					-5.400							
					7.716							
					5.69%							

Alignment Chain KC2
Station 377+20.000 Surface STAKE

C .124	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .047
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.458	1.720	2.410	3.300	5.400	@ 2.1
S 5.887%	7.924	7.871	7.835	7.829	8.737	9.180	9.617	9.748	9.732	9.712	9.665	S -2.258%
	5.89%	5.89%	2.00%	1:-0.01	1:-3.34	.	1:3.34	1:2.00	-2.26%	-2.26%	-2.26%	

					ETW							
					-5.400							
					8.047							
					5.89%							

Alignment Chain KC2
Station 377+40.000 Surface STAKE

C .095	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .015
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.505	1.720	2.410	3.300	5.400	@ 2.1
S 4.516%	8.299	8.258	8.230	8.224	9.094	9.518	9.949	10.056	10.051	10.045	10.030	S -0.726%
	4.52%	4.52%	2.00%	1:-0.01	1:-3.49	.	1:3.49	1:2.00	-.73%	-.73%	-.73%	

					ETW							
					-5.400							
					8.393							
					4.52%							

Alignment Chain KC2
Station 377+60.000 Surface STAKE

C .066	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .012
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.531	1.720	2.410	3.300	5.400	@ 2.1
S 3.145%	8.677	8.649	8.630	8.624	9.575	9.965	10.369	10.463	10.459	10.454	10.442	S -0.565%
	3.15%	3.15%	2.00%	1:-0.01	1:-3.79	.	1:3.79	1:2.00	-.57%	-.57%	-.57%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

					ETW							
					-5.400							
					8.743							
					3.15%							

Alignment Chain KC2
Station 377+72.000 Surface STAKE

C .058	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .012
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.574	1.720	2.410	3.300	5.400	@ 2.1
S 2.762%	8.898	8.874	8.857	8.851	9.785	10.177	10.594	10.667	10.663	10.658	10.647	S -0.564%
	2.76%	2.76%	2.00%	1:-0.01	1:-3.77	.	1:3.77	1:2.00	-.56%	-.56%	-.56%	

					ETW							
					-5.400							
					8.956							
					2.76%							

Alignment Chain KC2
Station 377+78.900 Surface STAKE

C .052	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .012
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.839	1.957	2.647	3.300	5.400	@ 2.1
S 2.479%	9.026	9.004	8.989	8.983	9.906	10.271	10.724	10.783	10.779	10.776	10.764	S -0.564%
	2.48%	2.48%	2.00%	1:-0.01	1:-4.06	.	1:4.06	1:2.00	-.56%	-.56%	-.56%	

					ETW							
					-5.400							
					9.078							
					2.48%							

Alignment Chain KC2
Station 377+80.000 Surface STAKE

C .052	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .012
@ 2.1	-3.300	-2.432	-1.812	-1.512	-1.502	.000	1.880	1.993	2.683	3.300	5.400	@ 2.1
S 2.460%	9.046	9.025	9.010	9.004	9.913	10.283	10.745	10.802	10.798	10.794	10.782	S -0.565%
	2.46%	2.46%	2.00%	1:-0.01	1:-4.07	.	1:4.07	1:2.00	-.57%	-.57%	-.57%	

					ETW							
					-5.400							
					9.098							
					2.46%							

Alignment Chain KC2
Station 377+90.000 Surface STAKE

C .051	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .03

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

@ 2.1	-3.300	-2.650	-2.030	-1.730	-1.720	.000	2.224	2.310	3.000	3.300	5.400	@ 2.1
S 2.414%	9.210	9.194	9.179	9.173	9.993	10.408	10.944	10.987	10.977	10.973	10.943	S -1.426%
	2.41%	2.41%	2.00%	1:-0.01	1:-4.15	.	1:4.15	1:2.00	-1.43%	-1.43%	-1.43%	

					ETW							
					-5.400							
					9.260							
					2.41%							

Alignment Chain KC2
Station 378+00.000 Surface STAKE

C .05	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**						
@ 2.1	-3.300	-2.894	-2.274	-1.974	-1.964	.000						
S 2.379%	9.372	9.362	9.348	9.342	9.789	10.331						
	2.38%	2.38%	2.00%	1:-0.02	1:-3.63	.						

					ETW							
					-5.400							
					9.422							
					2.38%							

Alignment Chain KC2
Station 378+04.000 Surface STAKE

C .048	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**						
@ 2.1	-3.300	-3.000	-2.380	-2.080	-2.070	.000						
S 2.306%	9.433	9.426	9.411	9.405	9.806	10.355						
	2.31%	2.31%	2.00%	1:-0.02	1:-3.77	.						

					ETW							
					-5.400							
					9.481							
					2.31%							

Alignment Chain KC2
Station 378+60.400 Surface STAKE

							CP	**EP**	**ES**	**S/C**	**ETW**	F .055
						.000	1.511	2.310	3.000	3.300	5.400	@ 2.1
						.000	11.546	11.945	11.927	11.919	11.864	S -2.621%
							1:0.13	1:2.00	-2.62%	-2.62%	-2.62%	

Alignment Chain KC2
Station 378+64.000 Surface STAKE

C .023	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .053
@ 2.1	-3.300	-3.000	-2.380	-2.080	-2.070	.000	1.690	2.233	2.923	3.300	5.400	@ 2.1
S 1.081%	10.413	10.410	10.403	10.397	10.715	11.258	11.701	11.972	11.955	11.946	11.893	S -2.523%

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

	1.08%	1.08%	2.00%	1:-0.03	1:-3.81	.	1:3.81	1:2.00	-2.52%	-2.52%	-2.52%	

					ETW							
					-5.400							
					10.436							
					1.08%							

Alignment Chain KC2
Station 378+80.000 Surface STAKE

C .081	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .034
@ 2.1	-3.300	-2.627	-2.007	-1.707	-1.697	.000	1.509	1.849	2.539	3.300	5.400	@ 2.1
S 3.871%	10.615	10.589	10.565	10.559	11.129	11.539	11.903	12.074	12.062	12.050	12.016	S -1.613%
	3.87%	3.87%	2.00%	1:-0.02	1:-4.14	.	1:4.14	1:2.00	-1.61%	-1.61%	-1.61%	

					ETW							
					-5.400							
					10.696							
					3.87%							

Alignment Chain KC2
Station 378+84.800 Surface STAKE

C .079	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .032
@ 2.1	-3.300	-2.529	-1.909	-1.609	-1.599	.000	1.340	1.720	2.410	3.300	5.400	@ 2.1
S 3.757%	10.700	10.671	10.648	10.642	11.195	11.589	11.919	12.109	12.098	12.084	12.052	S -1.537%
	3.76%	3.76%	2.00%	1:-0.02	1:-4.06	.	1:4.06	1:2.00	-1.54%	-1.54%	-1.54%	

					ETW							
					-5.400							
					10.779							
					3.76%							

Alignment Chain KC2
Station 378+91.100 Surface STAKE

C .072	**S/C**	**ES**	**EP**	**HP**	**CP**	**CL**	**CP**	**EP**	**ES**	**S/C**	**ETW**	F .028
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.350	1.720	2.410	3.300	5.400	@ 2.1
S 3.443%	10.815	10.784	10.763	10.757	11.305	11.650	11.964	12.149	12.139	12.127	12.099	S -1.341%
	3.44%	3.44%	2.00%	1:-0.02	1:-4.30	.	1:4.30	1:2.00	-1.34%	-1.34%	-1.34%	

					ETW							
					-5.400							
					10.887							
					3.44%							

Alignment Chain KC2
Station 379+00.000 Surface STAKE

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

C .064	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .023
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.364	1.720	2.410	3.300	5.400	@ 2.1
S 3.024%	10.977	10.950	10.931	10.925	11.491	11.770	12.027	12.205	12.197	12.188	12.165	S -1.089%
	3.02%	3.02%	2.00%	1:-0.02	1:-5.31	.	1:5.31	1:2.00	-1.09%	-1.09%	-1.09%	

					ETW							
					-5.400							
					11.041							
					3.02%							

Alignment Chain KC2
Station 379+20.000 Surface STAKE

C .069	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .022
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.494	1.720	2.410	3.300	5.400	@ 2.1
S 3.266%	11.245	11.216	11.195	11.189	11.691	11.953	12.219	12.331	12.324	12.315	12.293	S -1.048%
	3.27%	3.27%	2.00%	1:-0.02	1:-5.64	.	1:5.64	1:2.00	-1.05%	-1.05%	-1.05%	

					ETW							
					-5.400							
					11.313							
					3.27%							

Alignment Chain KC2
Station 379+40.000 Surface STAKE

C .09	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .023
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.429	1.720	2.410	3.300	5.400	@ 2.1
S 4.274%	11.500	11.462	11.435	11.429	11.867	12.077	12.280	12.425	12.417	12.408	12.385	S -1.089%
	4.27%	4.27%	2.00%	1:-0.02	-14.18%	.	14.18%	1:2.00	-1.09%	-1.09%	-1.09%	

					ETW							
					-5.400							
					11.590							
					4.27%							

Alignment Chain KC2
Station 379+60.000 Surface STAKE

C .097	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.344	1.720	2.410	3.300	5.400	@ 2.1
S 4.597%	11.723	11.682	11.653	11.647	12.026	12.202	12.362	12.550	12.536	12.518	12.476	S -2.016%
	4.60%	4.60%	2.00%	1:-0.03	-11.90%	.	11.90%	1:2.00	-2.02%	-2.02%	-2.02%	

					ETW							
					-5.400							
					11.819							
					4.60%							

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 379+80.000 Surface STAKE

C .08	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .03
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.353	1.720	2.410	3.300	5.400	@ 2.1
S 3.831%	11.928	11.894	11.871	11.865	12.195	12.326	12.446	12.629	12.619	12.607	12.577	S -1.411%
	3.83%	3.83%	2.00%	1:-0.03	-8.87%	.	8.87%	1:2.00	-1.41%	-1.41%	-1.41%	

					ETW							
					-5.400							
					12.009							
					3.83%							

Alignment Chain KC2
Station 380+00.000 Surface STAKE

C .078	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .027
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.473	1.720	2.410	3.300	5.400	@ 2.1
S 3.710%	12.091	12.058	12.035	12.029	12.351	12.463	12.574	12.698	12.689	12.677	12.650	S -1.290%
	3.71%	3.71%	2.00%	1:-0.03	-7.56%	.	7.56%	1:2.00	-1.29%	-1.29%	-1.29%	

					ETW							
					-5.400							
					12.169							
					3.71%							

Alignment Chain KC2
Station 380+20.000 Surface STAKE

C .068	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .052
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.423	1.720	2.410	3.300	5.400	@ 2.1
S 3.226%	12.245	12.216	12.196	12.190	12.484	12.590	12.692	12.841	12.824	12.801	12.749	S -2.500%
	3.23%	3.23%	2.00%	1:-0.03	-7.18%	.	7.18%	1:2.00	-2.50%	-2.50%	-2.50%	

					ETW							
					-5.400							
					12.312							
					3.23%							

Alignment Chain KC2
Station 380+40.000 Surface STAKE

C .075	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .04
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.418	1.720	2.410	3.300	5.400	@ 2.1
S 3.589%	12.355	12.323	12.301	12.295	12.575	12.669	12.759	12.910	12.897	12.880	12.841	S -1.895%
	3.59%	3.59%	2.00%	1:-0.04	-6.37%	.	6.37%	1:2.00	-1.90%	-1.90%	-1.90%	

					ETW							
					-5.400							

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

					12.430							
					3.59%							

Alignment Chain KC2
Station 380+60.000 Surface STAKE

C .103	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	F .008
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.641	1.720	2.410	3.300	5.400	@ 2.1
S 4.919%	12.464	12.420	12.389	12.383	12.765	12.838	12.920	12.960	12.957	12.954	12.946	S -0.363%
	4.92%	4.92%	2.00%	1:-0.03	-4.98%	.	4.98%	1:2.00	-.36%	-.36%	-.36%	

					ETW							
					-5.400							
					12.567							
					4.92%							

Alignment Chain KC2
Station 380+80.000 Surface STAKE

C .091	S/C	ES	EP	HP	CP	CL	CP	EP	ES	S/C	ETW	C .
@ 2.1	-3.300	-2.410	-1.790	-1.490	-1.480	.000	1.650	1.720	2.410	3.300	5.400	@ 2.1
S 4.355%	12.579	12.540	12.513	12.507	12.865	12.925	12.991	13.026	13.026	13.026	13.026	S 0.000%
	4.36%	4.36%	2.00%	1:-0.03	-4.03%	.	4.03%	1:2.00	.00%	.00%	.00%	

					ETW							
					-5.400							
					12.671							
					4.36%							

Alignment Chain KC2
Station 381+00.000 Surface STAKE

C .026	EP	EP	HP	CP	CP	CL	CP	EP	ES	S/C	ETW	F .02
@ 2.1	-1.790	-1.720	-1.490	-1.480	-1.212	.000	1.621	1.720	2.410	3.300	5.400	@ 2.1
S 1.250%	12.770	12.769	12.764	13.014	13.023	13.057	13.103	13.152	13.146	13.137	13.117	S -0.968%
	1.25%	2.23%	1:-0.04	-3.33%	-2.82%	.	2.82%	1:2.00	-.97%	-.97%	-.97%	

			ETW	S/C	ES							
			-5.400	-3.300	-2.410							
			12.815	12.789	12.778							
			1.25%	1.25%	1.25%							

Alignment Chain KC2
Station 381+12.000 Surface STAKE

F .009	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .034
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.741	.000	.993	1.120	1.810	3.300	5.400	@ 2.1
S -0.436%	12.877	12.886	12.892	12.895	13.085	13.114	13.153	13.216	13.205	13.181	13.147	S -1.623%
	-.44%	-.44%	-.44%	1:-2.00	-3.92%	.	3.92%	1:2.00	-1.62%	-1.62%	-1.62%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 381+20.000 Surface STAKE

F .027	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.849	.000	.990	1.120	1.810	3.300	5.400	@ 2.1
S -1.290%	12.916	12.943	12.962	12.971	13.107	13.143	13.184	13.249	13.236	13.207	13.167	S -1.936%
	-1.29%	-1.29%	-1.29%	1:-2.00	-4.20%	.	4.20%	1:2.00	-1.94%	-1.94%	-1.94%	

Alignment Chain KC2
Station 381+40.000 Surface STAKE

F .009	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.039	.000	.580	1.120	1.810	3.300	5.400	@ 2.1
S -0.444%	13.058	13.068	13.074	13.077	13.037	13.063	13.077	13.347	13.336	13.311	13.276	S -1.653%
	-.44%	-.44%	-.44%	1:2.00	-2.49%	.	2.49%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 381+60.000 Surface STAKE

F .001	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .005
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.832	.000	.453	1.120	1.810	3.300	5.400	@ 2.1
S -0.040%	13.167	13.168	13.168	13.169	13.025	13.028	13.030	13.363	13.365	13.369	13.374	S 0.242%
	-.04%	-.04%	-.04%	1:2.00	-.41%	.	.41%	1:2.00	.24%	.24%	.24%	

Alignment Chain KC2
Station 381+80.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .02
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.799	.000	.513	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	13.303	13.327	13.343	13.351	13.191	13.196	13.199	13.502	13.496	13.481	13.461	S -0.968%
	-1.13%	-1.13%	-1.13%	1:2.00	-.63%	.	.63%	1:2.00	-.97%	-.97%	-.97%	

Alignment Chain KC2
Station 382+00.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.845	.000	.603	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	13.425	13.449	13.465	13.473	13.336	13.344	13.349	13.608	13.599	13.581	13.556	S -1.210%
	-1.13%	-1.13%	-1.13%	1:2.00	-.95%	.	.95%	1:2.00	-1.21%	-1.21%	-1.21%	

Alignment Chain KC2
Station 382+20.000 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.764	.000	.564	1.120	1.810	3.300	5.400	@ 2.1
S -1.492%	13.565	13.597	13.619	13.629	13.451	13.455	13.457	13.735	13.723	13.698	13.662	S -1.694%
	-1.49%	-1.49%	-1.49%	1:2.00	-.44%	.	.44%	1:2.00	-1.69%	-1.69%	-1.69%	

Alignment Chain KC2

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Station 382+40.000 Surface STAKE

F .011	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.782	.000	.587	1.120	1.810	3.300	5.400	@ 2.1
S -0.524%	13.752	13.763	13.771	13.775	13.606	13.608	13.609	13.876	13.867	13.849	13.824	S -1.210%
	-.52%	-.52%	-.52%	1:2.00	-.24%	.	.24%	1:2.00	-1.21%	-1.21%	-1.21%	

Alignment Chain KC2
Station 382+60.000 Surface STAKE

F .015	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .058
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.083	.000	.984	1.120	1.810	3.300	5.400	@ 2.1
S -0.726%	13.983	13.998	14.009	14.014	14.032	14.045	14.058	14.125	14.106	14.065	14.006	S -2.782%
	-.73%	-.73%	-.73%	1:-2.00	-1.24%	.	1.24%	1:2.00	-2.78%	-2.78%	-2.78%	

Alignment Chain KC2
Station 382+80.000 Surface STAKE

F .007	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.784	.000	.695	1.120	1.810	3.300	5.400	@ 2.1
S -0.323%	14.251	14.258	14.263	14.265	14.097	14.098	14.099	14.312	14.306	14.293	14.276	S -0.847%
	-.32%	-.32%	-.32%	1:2.00	-.14%	.	.14%	1:2.00	-.85%	-.85%	-.85%	

Alignment Chain KC2
Station 383+00.000 Surface STAKE

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.668	.000	.680	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	14.557	14.594	14.620	14.632	14.405	14.407	14.408	14.628	14.619	14.601	14.576	S -1.210%
	-1.73%	-1.73%	-1.73%	1:2.00	-.18%	.	.18%	1:2.00	-1.21%	-1.21%	-1.21%	

Alignment Chain KC2
Station 383+20.000 Surface STAKE

F .029	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.637	.000	.578	1.120	1.810	3.300	5.400	@ 2.1
S -1.371%	14.901	14.930	14.950	14.960	14.718	14.718	14.718	14.989	14.978	14.954	14.921	S -1.573%
	-1.37%	-1.37%	-1.37%	1:2.00	.04%	.	-.04%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 383+40.000 Surface STAKE

F .022	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.689	.000	.671	1.120	1.810	3.300	5.400	@ 2.1
S -1.048%	15.249	15.271	15.286	15.294	15.078	15.077	15.075	15.300	15.288	15.262	15.225	S -1.734%
	-1.05%	-1.05%	-1.05%	1:2.00	.23%	.	-.23%	1:2.00	-1.73%	-1.73%	-1.73%	

Alignment Chain KC2
Station 383+60.000 Surface STAKE

F .019	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

@ 2.1	-5.400	-3.300	-1.810	-1.120	-.766	.000	.785	1.120	1.810	3.300	5.400	@ 2.1
S -0.927%	15.612	15.631	15.645	15.651	15.475	15.473	15.472	15.639	15.631	15.613	15.589	S -1.169%
	-.93%	-.93%	-.93%	1:2.00	.20%	.	-.20%	1:2.00	-1.17%	-1.17%	-1.17%	

Alignment Chain KC2
Station 383+80.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .015
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.678	.000	.719	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	15.965	15.996	16.017	16.027	15.807	15.808	15.809	16.010	16.005	15.994	15.979	S -0.726%
	-1.45%	-1.45%	-1.45%	1:2.00	-.17%	.	.17%	1:2.00	-.73%	-.73%	-.73%	

Alignment Chain KC2
Station 384+00.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .01
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.582	.000	.677	1.120	1.810	3.300	5.400	@ 2.1
S -1.411%	16.327	16.357	16.378	16.388	16.118	16.122	16.127	16.349	16.352	16.359	16.370	S 0.484%
	-1.41%	-1.41%	-1.41%	1:2.00	-.70%	.	.70%	1:2.00	.48%	.48%	.48%	

Alignment Chain KC2
Station 384+20.000 Surface STAKE

F .065	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .03
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.632	.000	.776	1.120	1.810	3.300	5.400	@ 2.1
S -3.105%	16.710	16.776	16.822	16.843	16.600	16.600	16.601	16.773	16.763	16.742	16.712	S -1.411%
	-3.11%	-3.11%	-3.11%	1:2.00	-.09%	.	.09%	1:2.00	-1.41%	-1.41%	-1.41%	

Alignment Chain KC2
Station 384+40.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.594	.000	.594	1.120	1.810	3.300	5.400	@ 2.1
S -1.411%	17.081	17.111	17.132	17.142	16.878	16.878	16.879	17.142	17.132	17.112	17.083	S -1.371%
	-1.41%	-1.41%	-1.41%	1:2.00	-.02%	.	.02%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 384+60.000 Surface STAKE

F .049	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .006
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.550	.000	.733	1.120	1.810	3.300	5.400	@ 2.1
S -2.339%	17.439	17.488	17.523	17.539	17.254	17.257	17.261	17.454	17.452	17.448	17.442	S -0.282%
	-2.34%	-2.34%	-2.34%	1:2.00	-.53%	.	.53%	1:2.00	-.28%	-.28%	-.28%	

Alignment Chain KC2
Station 384+80.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .029
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.636	.000	.697	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	17.813	17.858	17.891	17.906	17.664	17.665	17.666	17.878	17.868	17.848	17.819	S -1.371%

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

	-2.18%	-2.18%	-2.18%	1:2.00	-.16%	.	.16%	1:2.00	-1.37%	-1.37%	-1.37%	

Alignment Chain KC2
Station 385+00.000 Surface STAKE

F .035	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .037
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.649	.000	.666	1.120	1.810	3.300	5.400	@ 2.1
S -1.653%	18.161	18.196	18.221	18.232	17.996	17.996	17.995	18.222	18.210	18.184	18.146	S -1.774%
	-1.65%	-1.65%	-1.65%	1:2.00	.09%	.	-.09%	1:2.00	-1.77%	-1.77%	-1.77%	

Alignment Chain KC2
Station 385+20.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.597	.000	.585	1.120	1.810	3.300	5.400	@ 2.1
S -1.935%	18.485	18.525	18.554	18.567	18.306	18.306	18.307	18.575	18.563	18.537	18.500	S -1.734%
	-1.94%	-1.94%	-1.94%	1:2.00	-.08%	.	.08%	1:2.00	-1.73%	-1.73%	-1.73%	

Alignment Chain KC2
Station 385+40.000 Surface STAKE

F .051	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.477	.000	.573	1.120	1.810	3.300	5.400	@ 2.1
S -2.419%	18.880	18.931	18.967	18.983	18.662	18.664	18.666	18.939	18.926	18.896	18.855	S -1.976%
	-2.42%	-2.42%	-2.42%	1:2.00	-.34%	.	.34%	1:2.00	-1.98%	-1.98%	-1.98%	

Alignment Chain KC2
Station 385+60.000 Surface STAKE

F .042	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .024
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.690	.000	.790	1.120	1.810	3.300	5.400	@ 2.1
S -2.016%	19.232	19.274	19.304	19.318	19.103	19.102	19.101	19.266	19.258	19.242	19.218	S -1.129%
	-2.02%	-2.02%	-2.02%	1:2.00	.10%	.	-.10%	1:2.00	-1.13%	-1.13%	-1.13%	

Alignment Chain KC2
Station 385+80.000 Surface STAKE

F .048	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.538	.000	.555	1.120	1.810	3.300	5.400	@ 2.1
S -2.299%	19.587	19.635	19.669	19.685	19.394	19.395	19.396	19.678	19.664	19.634	19.592	S -2.016%
	-2.30%	-2.30%	-2.30%	1:2.00	-.13%	.	.13%	1:2.00	-2.02%	-2.02%	-2.02%	

Alignment Chain KC2
Station 386+00.000 Surface STAKE

F .034	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .012
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.662	.000	.719	1.120	1.810	3.300	5.400	@ 2.1
S -1.613%	19.966	20.000	20.024	20.035	19.806	19.808	19.810	20.011	20.007	19.998	19.986	S -0.565%
	-1.61%	-1.61%	-1.61%	1:2.00	-.26%	.	.26%	1:2.00	-.57%	-.57%	-.57%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 386+20.000 Surface STAKE

F .045	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.638	.000	.689	1.120	1.810	3.300	5.400	@ 2.1
S -2.137%	20.334	20.379	20.410	20.425	20.184	20.186	20.188	20.403	20.395	20.377	20.353	S -1.169%
	-2.14%	-2.14%	-2.14%	1:2.00	-.26%	.	.26%	1:2.00	-1.17%	-1.17%	-1.17%	

Alignment Chain KC2
Station 386+40.000 Surface STAKE

F .032	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .014
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.620	.000	.624	1.120	1.810	3.300	5.400	@ 2.1
S -1.532%	20.682	20.714	20.737	20.748	20.498	20.500	20.502	20.750	20.746	20.736	20.723	S -0.645%
	-1.53%	-1.53%	-1.53%	1:2.00	-.35%	.	.35%	1:2.00	-.65%	-.65%	-.65%	

Alignment Chain KC2
Station 386+60.000 Surface STAKE

F .056	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .017
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.587	.000	.719	1.120	1.810	3.300	5.400	@ 2.1
S -2.661%	21.045	21.101	21.141	21.159	20.893	20.895	20.898	21.099	21.094	21.082	21.065	S -0.807%
	-2.66%	-2.66%	-2.66%	1:2.00	-.44%	.	.44%	1:2.00	-.81%	-.81%	-.81%	

Alignment Chain KC2
Station 386+80.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .041
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.755	.000	.664	1.120	1.810	3.300	5.400	@ 2.1
S -1.936%	21.379	21.419	21.448	21.461	21.279	21.282	21.284	21.512	21.499	21.469	21.428	S -1.976%
	-1.94%	-1.94%	-1.94%	1:2.00	-.36%	.	.36%	1:2.00	-1.98%	-1.98%	-1.98%	

Alignment Chain KC2
Station 387+00.000 Surface STAKE

F .04	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .025
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.672	.000	.697	1.120	1.810	3.300	5.400	@ 2.1
S -1.895%	21.658	21.697	21.726	21.739	21.514	21.516	21.517	21.729	21.720	21.702	21.677	S -1.210%
	-1.90%	-1.90%	-1.90%	1:2.00	-.20%	.	.20%	1:2.00	-1.21%	-1.21%	-1.21%	

Alignment Chain KC2
Station 387+20.000 Surface STAKE

F .048	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .04
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.642	.000	.659	1.120	1.810	3.300	5.400	@ 2.1
S -2.298%	21.874	21.922	21.956	21.972	21.733	21.734	21.735	21.966	21.953	21.924	21.885	S -1.895%
	-2.30%	-2.30%	-2.30%	1:2.00	-.12%	.	.12%	1:2.00	-1.90%	-1.90%	-1.90%	

Alignment Chain KC2
Station 387+40.000 Surface STAKE

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

F .036	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .038
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.720	.000	.673	1.120	1.810	3.300	5.400	@ 2.1
S -1.734%	22.038	22.075	22.101	22.113	21.913	21.914	21.915	22.138	22.126	22.099	22.060	S -1.814%
	-1.73%	-1.73%	-1.73%	1:2.00	-.14%	.	.14%	1:2.00	-1.81%	-1.81%	-1.81%	

Alignment Chain KC2
Station 387+60.000 Surface STAKE

F .013	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.731	.000	.682	1.120	1.810	3.300	5.400	@ 2.1
S -0.605%	22.177	22.190	22.199	22.203	22.009	22.007	22.005	22.224	22.212	22.186	22.149	S -1.734%
	-.61%	-.61%	-.61%	1:2.00	.29%	.	-.29%	1:2.00	-1.73%	-1.73%	-1.73%	

Alignment Chain KC2
Station 387+78.500 Surface STAKE

C .004	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.117	.000	1.023	1.120	1.810	3.300	5.400	@ 2.1
S 0.202%	22.257	22.253	22.250	22.249	22.247	22.252	22.256	22.304	22.294	22.270	22.237	S -1.573%
	.20%	.20%	.20%	1:2.00	-.40%	.	.40%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 387+79.200 Surface STAKE

C .004	ETW	S/C	ES	EP	CP	CL						
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.105	.000						
S 0.202%	22.260	22.256	22.253	22.252	22.259	22.257						
	.20%	.20%	.20%	1:-2.00	.15%	.						

Alignment Chain KC2
Station 388+35.400 Surface STAKE

							CP	EP	ES	S/C	ETW	C .01
						.000	.755	1.120	1.810	3.300	5.400	@ 2.1
						.000	21.899	22.081	22.085	22.092	22.102	S 0.493%
							1:0.03	1:2.00	.49%	.49%	.49%	

Alignment Chain KC2
Station 388+36.200 Surface STAKE

C .028	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .013
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.712	.000	.761	1.120	1.810	3.300	5.400	@ 2.1
S 1.344%	22.150	22.122	22.102	22.093	21.889	21.890	21.891	22.071	22.075	22.084	22.097	S 0.605%
	1.34%	1.34%	1.34%	1:2.00	-.17%	.	.17%	1:2.00	.61%	.61%	.61%	

Alignment Chain KC2
Station 388+40.000 Surface STAKE

C .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .022
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.707	.000	.784	1.120	1.810	3.300	5.400	@ 2.1

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

S 1.492%	22.133	22.101	22.079	22.069	21.862	21.860	21.856	22.024	22.032	22.047	22.069	S 1.048%
	1.49%	1.49%	1.49%	1:2.00	.40%	.	-.40%	1:2.00	1.05%	1.05%	1.05%	

Alignment Chain KC2
Station 388+60.000 Surface STAKE

F .013	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .008
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.841	.000	.788	1.120	1.810	3.300	5.400	@ 2.1
S -0.605%	21.923	21.936	21.945	21.949	21.810	21.813	21.817	21.983	21.980	21.975	21.967	S -0.363%
	-.61%	-.61%	-.61%	1:2.00	-.42%	.	.42%	1:2.00	-.36%	-.36%	-.36%	

Alignment Chain KC2
Station 388+80.000 Surface STAKE

F .01	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.886	.000	.743	1.120	1.810	3.300	5.400	@ 2.1
S -0.484%	21.791	21.802	21.809	21.812	21.695	21.698	21.700	21.888	21.874	21.844	21.802	S -2.016%
	-.48%	-.48%	-.48%	1:2.00	-.27%	.	.27%	1:2.00	-2.02%	-2.02%	-2.02%	

Alignment Chain KC2
Station 389+00.000 Surface STAKE

F .045	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .042
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.704	.000	.738	1.120	1.810	3.300	5.400	@ 2.1
S -2.137%	21.588	21.633	21.664	21.679	21.471	21.471	21.470	21.661	21.647	21.617	21.575	S -2.016%
	-2.14%	-2.14%	-2.14%	1:2.00	.10%	.	-.10%	1:2.00	-2.02%	-2.02%	-2.02%	

Alignment Chain KC2
Station 389+20.000 Surface STAKE

F .046	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .026
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.677	.000	.780	1.120	1.810	3.300	5.400	@ 2.1
S -2.177%	21.291	21.336	21.369	21.384	21.163	21.162	21.161	21.331	21.323	21.304	21.278	S -1.250%
	-2.18%	-2.18%	-2.18%	1:2.00	.08%	.	-.08%	1:2.00	-1.25%	-1.25%	-1.25%	

Alignment Chain KC2
Station 389+40.000 Surface STAKE

F .041	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .047
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.623	.000	.552	1.120	1.810	3.300	5.400	@ 2.1
S -1.976%	20.910	20.951	20.981	20.994	20.745	20.745	20.744	21.028	21.013	20.979	20.932	S -2.258%
	-1.98%	-1.98%	-1.98%	1:2.00	.08%	.	-.08%	1:2.00	-2.26%	-2.26%	-2.26%	

Alignment Chain KC2
Station 389+60.000 Surface STAKE

F .051	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.520	.000	.562	1.120	1.810	3.300	5.400	@ 2.1
S -2.419%	20.510	20.561	20.597	20.613	20.313	20.315	20.317	20.596	20.585	20.560	20.525	S -1.653%
	-2.42%	-2.42%	-2.42%	1:2.00	-.35%	.	.35%	1:2.00	-1.65%	-1.65%	-1.65%	

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Alignment Chain KC2
Station 389+80.000 Surface STAKE

C .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .028
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.776	.000	.597	1.120	1.810	3.300	5.400	@ 2.1
S 2.218%	20.181	20.135	20.102	20.086	19.915	19.906	19.899	20.160	20.151	20.131	20.103	S -1.331%
	2.22%	2.22%	2.22%	1:2.00	1.15%	.	-1.15%	1:2.00	-1.33%	-1.33%	-1.33%	

Alignment Chain KC2
Station 390+00.000 Surface STAKE

F .039	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .03
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.622	.000	.693	1.120	1.810	3.300	5.400	@ 2.1
S -1.855%	19.675	19.714	19.742	19.755	19.506	19.506	19.506	19.720	19.710	19.689	19.659	S -1.411%
	-1.86%	-1.86%	-1.86%	1:2.00	-.01%	.	.01%	1:2.00	-1.41%	-1.41%	-1.41%	

Alignment Chain KC2
Station 390+20.000 Surface STAKE

F .038	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .036
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.575	.000	.669	1.120	1.810	3.300	5.400	@ 2.1
S -1.814%	19.261	19.300	19.327	19.339	19.067	19.066	19.065	19.291	19.279	19.253	19.216	S -1.734%
	-1.81%	-1.81%	-1.81%	1:2.00	.09%	.	-.09%	1:2.00	-1.73%	-1.73%	-1.73%	

Alignment Chain KC2
Station 390+40.000 Surface STAKE

F .037	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .027
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.614	.000	.695	1.120	1.810	3.300	5.400	@ 2.1
S -1.774%	18.823	18.861	18.887	18.899	18.647	18.647	18.647	18.859	18.850	18.831	18.804	S -1.290%
	-1.77%	-1.77%	-1.77%	1:2.00	-.02%	.	.02%	1:2.00	-1.29%	-1.29%	-1.29%	

Alignment Chain KC2
Station 390+60.000 Surface STAKE

F .065	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .035
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.370	.000	.590	1.120	1.810	3.300	5.400	@ 2.1
S -3.105%	18.406	18.472	18.518	18.539	18.165	18.169	18.177	18.442	18.431	18.406	18.371	S -1.653%
	-3.11%	-3.11%	-3.11%	1:2.00	-1.32%	.	1.32%	1:2.00	-1.65%	-1.65%	-1.65%	

Alignment Chain KC2
Station 390+80.000 Surface STAKE

F .033	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .031
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.516	.000	.598	1.120	1.810	3.300	5.400	@ 2.1
S -1.573%	17.991	18.024	18.048	18.059	17.757	17.757	17.758	18.019	18.009	17.987	17.955	S -1.492%
	-1.57%	-1.57%	-1.57%	1:2.00	-.13%	.	.13%	1:2.00	-1.49%	-1.49%	-1.49%	

Alignment Chain KC2

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

Station 391+00.000 Surface STAKE

F .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .028
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.546	.000	.684	1.120	1.810	3.300	5.400	@ 2.1
S -2.258%	17.555	17.602	17.636	17.651	17.364	17.366	17.367	17.585	17.576	17.556	17.528	S -1.331%
	-2.26%	-2.26%	-2.26%	1:2.00	-.21%	.	.21%	1:2.00	-1.33%	-1.33%	-1.33%	

Alignment Chain KC2
Station 391+20.000 Surface STAKE

F .042	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .021
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.672	.000	.717	1.120	1.810	3.300	5.400	@ 2.1
S -2.016%	17.102	17.144	17.174	17.188	16.964	16.965	16.967	17.169	17.162	17.147	17.126	S -1.008%
	-2.02%	-2.02%	-2.02%	1:2.00	-.26%	.	.26%	1:2.00	-1.01%	-1.01%	-1.01%	

Alignment Chain KC2
Station 391+40.000 Surface STAKE

F .03	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .007
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.071	.000	1.114	1.120	1.810	3.300	5.400	@ 2.1
S -1.452%	16.671	16.702	16.723	16.733	16.709	16.708	16.708	16.711	16.709	16.704	16.697	S -0.323%
	-1.45%	-1.45%	-1.45%	1:2.00	.02%	.	-.02%	1:2.00	-.32%	-.32%	-.32%	

Alignment Chain KC2
Station 391+45.000 Surface STAKE

F .028	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .01
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.076	.000	1.119	1.120	1.810	3.300	5.400	@ 2.1
S -1.338%	16.561	16.589	16.609	16.619	16.596	16.596	16.596	16.596	16.593	16.586	16.576	S -0.470%
	-1.34%	-1.34%	-1.34%	1:2.00	.03%	.	-.03%	1:2.00	-.47%	-.47%	-.47%	

Alignment Chain KC2
Station 391+47.800 Surface STAKE

							CP	EP	ES	S/C	ETW	F .013
						.000	1.114	1.120	1.810	3.300	5.400	@ 2.1
						.000	16.533	16.535	16.531	16.522	16.508	S -0.630%
							1:0.07	1:2.00	-.63%	-.63%	-.63%	

Alignment Chain KC2
Station 391+62.100 Surface STAKE

F .021	ETW	S/C	ES	EP	CP	CL						
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.086	.000						
S -1.011%	16.189	16.210	16.225	16.232	16.215	16.403						
	-1.01%	-1.01%	-1.01%	1:2.00	1:-5.79	.						

Alignment Chain KC2
Station 391+63.000 Surface STAKE

F .021	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .027

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.086	.000	1.091	1.120	1.810	3.300	5.400	@ 2.1
S -1.014%	16.170	16.192	16.207	16.214	16.197	16.193	16.190	16.205	16.196	16.177	16.150	S -1.290%
	-1.01%	-1.01%	-1.01%	1:2.00	.28%	.	-.28%	1:2.00	-1.29%	-1.29%	-1.29%	

Alignment Chain KC2
Station 391+80.000 Surface STAKE

F .022	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .027
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.942	.000	.967	1.120	1.810	3.300	5.400	@ 2.1
S -1.048%	15.816	15.838	15.853	15.861	15.772	15.768	15.765	15.841	15.832	15.813	15.786	S -1.290%
	-1.05%	-1.05%	-1.05%	1:2.00	.36%	.	-.36%	1:2.00	-1.29%	-1.29%	-1.29%	

Alignment Chain KC2
Station 392+00.000 Surface STAKE

F .023	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .02
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.854	.000	.879	1.120	1.810	3.300	5.400	@ 2.1
S -1.089%	15.401	15.424	15.440	15.447	15.315	15.314	15.312	15.433	15.427	15.412	15.392	S -0.968%
	-1.09%	-1.09%	-1.09%	1:2.00	.13%	.	-.13%	1:2.00	-.97%	-.97%	-.97%	

Alignment Chain KC2
Station 392+20.000 Surface STAKE

F .047	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .019
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.759	.000	.880	1.120	1.810	3.300	5.400	@ 2.1
S -2.218%	14.983	15.029	15.062	15.078	14.897	14.895	14.893	15.012	15.006	14.992	14.973	S -0.927%
	-2.22%	-2.22%	-2.22%	1:2.00	.27%	.	-.27%	1:2.00	-.93%	-.93%	-.93%	

Alignment Chain KC2
Station 392+40.000 Surface STAKE

F .025	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .02
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.820	.000	.877	1.120	1.810	3.300	5.400	@ 2.1
S -1.210%	14.576	14.601	14.619	14.628	14.478	14.475	14.473	14.594	14.588	14.573	14.553	S -0.968%
	-1.21%	-1.21%	-1.21%	1:2.00	.30%	.	-.30%	1:2.00	-.97%	-.97%	-.97%	

Alignment Chain KC2
Station 392+60.000 Surface STAKE

F .042	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .033
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.697	.000	.761	1.120	1.810	3.300	5.400	@ 2.1
S -2.016%	14.188	14.230	14.260	14.274	14.063	14.062	14.061	14.241	14.230	14.206	14.173	S -1.573%
	-2.02%	-2.02%	-2.02%	1:2.00	.11%	.	-.11%	1:2.00	-1.57%	-1.57%	-1.57%	

Alignment Chain KC2
Station 392+80.000 Surface STAKE

F .031	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .034
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.745	.000	.769	1.120	1.810	3.300	5.400	@ 2.1
S -1.492%	13.856	13.888	13.910	13.920	13.733	13.731	13.730	13.905	13.894	13.870	13.836	S -1.613%

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

	-1.49%	-1.49%	-1.49%	1:2.00	.18%	.	-.18%	1:2.00	-1.61%	-1.61%	-1.61%	

Alignment Chain KC2
Station 393+00.000 Surface STAKE

F .024	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.939	.000	.952	1.120	1.810	3.300	5.400	@ 2.1
S -1.129%	13.604	13.628	13.644	13.652	13.562	13.562	13.562	13.646	13.640	13.627	13.610	S -0.847%
	-1.13%	-1.13%	-1.13%	1:2.00	-.01%	.	.01%	1:2.00	-.85%	-.85%	-.85%	

Alignment Chain KC2
Station 393+20.000 Surface STAKE

F .05	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .032
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.924	.000	.923	1.120	1.810	3.300	5.400	@ 2.1
S -2.379%	13.400	13.450	13.485	13.502	13.404	13.407	13.411	13.510	13.499	13.476	13.444	S -1.532%
	-2.38%	-2.38%	-2.38%	1:2.00	-.40%	.	.40%	1:2.00	-1.53%	-1.53%	-1.53%	

Alignment Chain KC2
Station 393+34.500 Surface STAKE

F .006	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .004
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.888	.000	1.018	1.120	1.810	3.300	5.400	@ 2.1
S -0.291%	13.348	13.354	13.359	13.361	13.477	13.444	13.406	13.355	13.357	13.360	13.364	S 0.202%
	-.29%	-.29%	-.29%	1:-2.00	3.69%	.	-3.69%	1:-2.00	.20%	.20%	.20%	

Alignment Chain KC2
Station 393+39.000 Surface STAKE

							CP	EP	ES	S/C	ETW	C .006
						.000	1.057	1.120	1.810	3.300	5.400	@ 2.1
						.000	13.359	13.328	13.330	13.334	13.339	S 0.270%
							1:0.08	1:-2.00	.27%	.27%	.27%	

Alignment Chain KC2
Station 394+72.900 Surface STAKE

C .011	ETW	S/C	ES	EP	CP	CL						
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.033	.000						
S 0.516%	12.783	12.772	12.764	12.761	12.804	13.108						
	.52%	.52%	.52%	1:-2.00	1:-3.41	.						

Alignment Chain KC2
Station 394+75.000 Surface STAKE

C .015	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	F .018
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.003	.000	.910	1.120	1.810	3.300	5.400	@ 2.1
S 0.700%	12.775	12.760	12.749	12.745	12.803	12.845	12.883	12.778	12.772	12.759	12.740	S -0.880%
	.70%	.70%	.70%	1:-2.00	-4.17%	.	4.17%	1:-2.00	-.88%	-.88%	-.88%	

EAR File Name: jdfinal.ear
Station Range: 336+40.000 To 395+40.000
Project Units: METRIC

SLOPE STAKE LISTING
June 19, 2002 1:45:56 PM

Alignment Chain KC2
Station 394+80.000 Surface STAKE

C .035	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .002
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.047	.000	.986	1.120	1.810	3.300	5.400	@ 2.1
S 1.653%	12.754	12.719	12.694	12.683	12.646	12.645	12.644	12.710	12.711	12.712	12.714	S 0.081%
	1.65%	1.65%	1.65%	1:2.00	.14%	.	-.14%	1:2.00	.08%	.08%	.08%	

Alignment Chain KC2
Station 395+00.000 Surface STAKE

C .006	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .004
@ 2.1	-5.400	-3.300	-1.810	-1.120	-.932	.000	.932	1.120	1.810	3.300	5.400	@ 2.1
S 0.282%	12.631	12.625	12.621	12.619	12.525	12.524	12.524	12.618	12.620	12.623	12.627	S 0.202%
	.28%	.28%	.28%	1:2.00	.03%	.	-.03%	1:2.00	.20%	.20%	.20%	

Alignment Chain KC2
Station 395+20.000 Surface STAKE

C .055	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .054
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.058	.000	1.097	1.120	1.810	3.300	5.400	@ 2.1
S 2.621%	12.591	12.536	12.497	12.479	12.510	12.515	12.521	12.509	12.527	12.566	12.620	S 2.581%
	2.62%	2.62%	2.62%	1:-2.00	-.53%	.	.53%	1:-2.00	2.58%	2.58%	2.58%	

Alignment Chain KC2
Station 395+30.000 Surface STAKE

C .061	ETW	S/C	ES	EP	CP	CL	CP	EP	ES	S/C	ETW	C .055
@ 2.1	-5.400	-3.300	-1.810	-1.120	-1.084	.000	1.105	1.120	1.810	3.300	5.400	@ 2.1
S 2.887%	12.617	12.557	12.514	12.494	12.512	12.521	12.530	12.537	12.555	12.594	12.649	S 2.625%
	2.89%	2.89%	2.89%	1:-2.00	-.82%	.	.82%	1:2.00	2.63%	2.63%	2.63%	