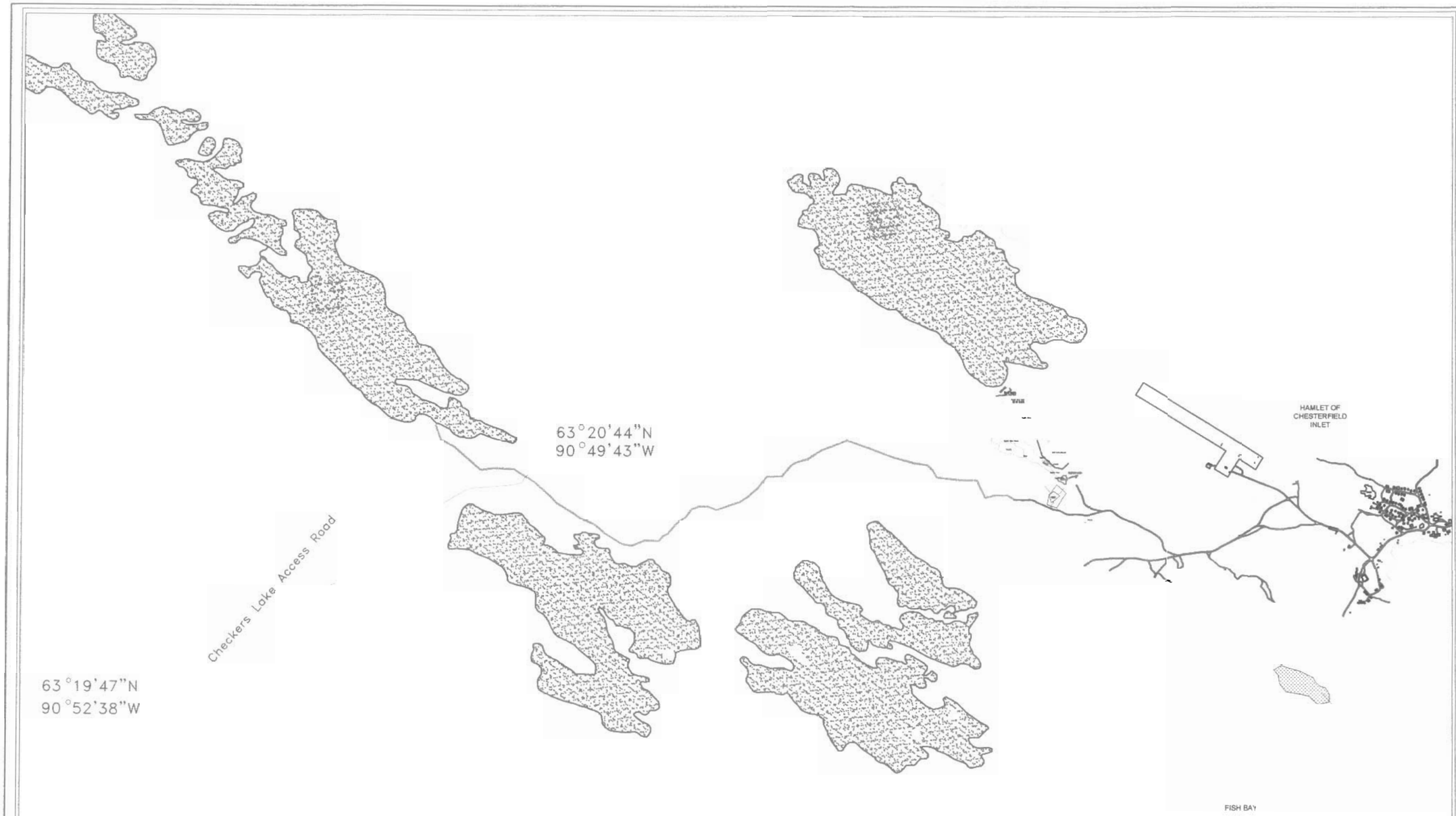


ABORIGINAL ENGINEERING LTD.

PERMIT TO PRACTICE
ABORIGINAL ENGINEERING LTD.
Signature _____
Date _____
PERMIT NUMBER: P 290
The Association of Professional Engineers, Geologists and Geophysicists of the NWT/NU

NOTES:

Government of Nunuvat
Community Government Services

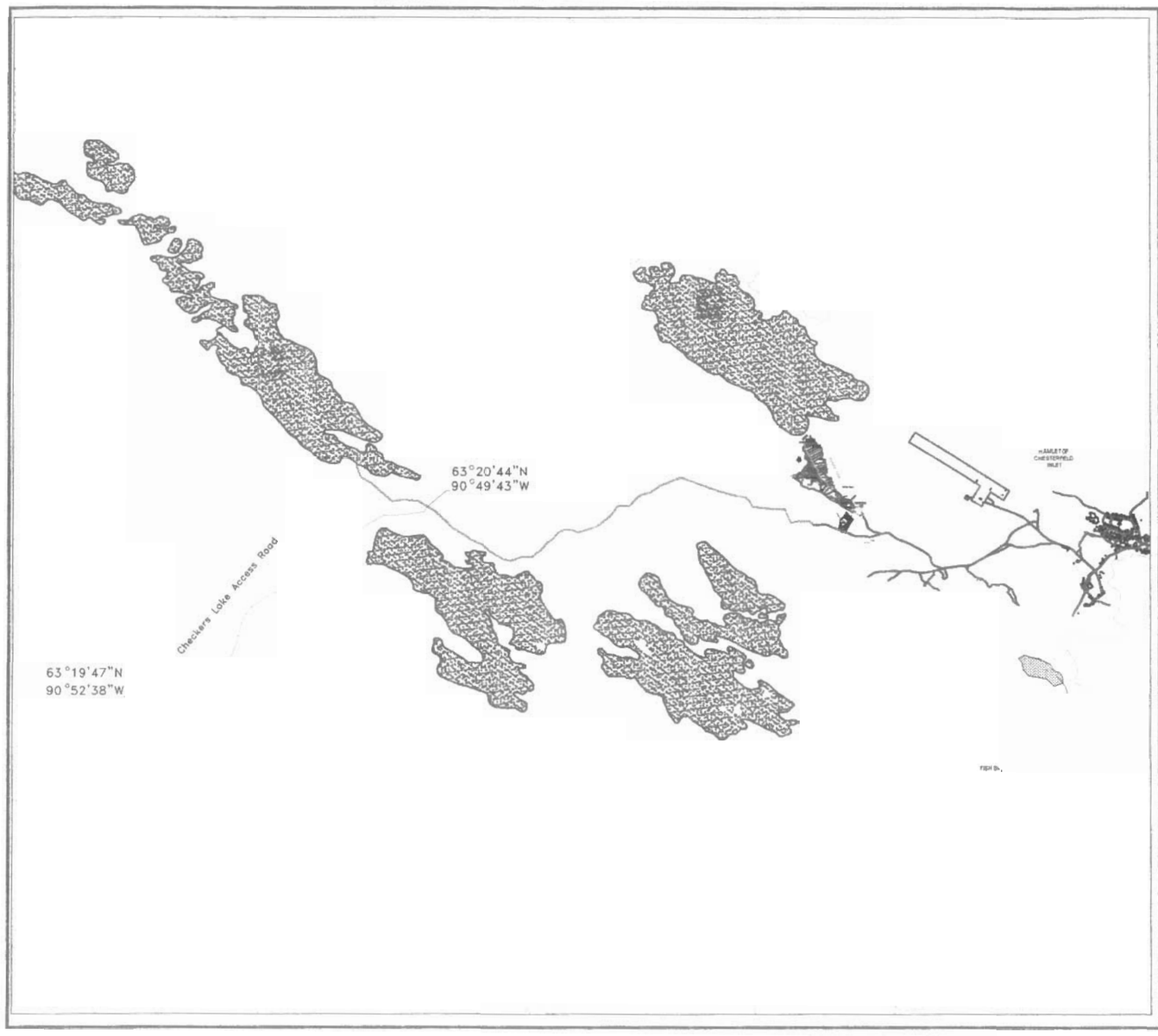
Hamlet of
Chesterfield Inlet

PROJECT
Checkers Lake
Access Road

DRAWING

DESIGNED	SCALE	DATE Oct.4,2004
DRAWN BM	PROJECT No.	
CHECKED	DRAWING No.	REVISION
APPROVED	Fig.1	

DATE/ISSUE



ABORIGINAL ENGINEERING LTD.

PERMIT TO PRACTICE
ABORIGINAL ENGINEERING LTD.
Signature _____
Date
PERMIT NUMBER: P 260
The Association of Professional Engineers, Geologists and Geophysicists of the NWT/NU

NOTES:

Government of Nunavut
Community Government Services

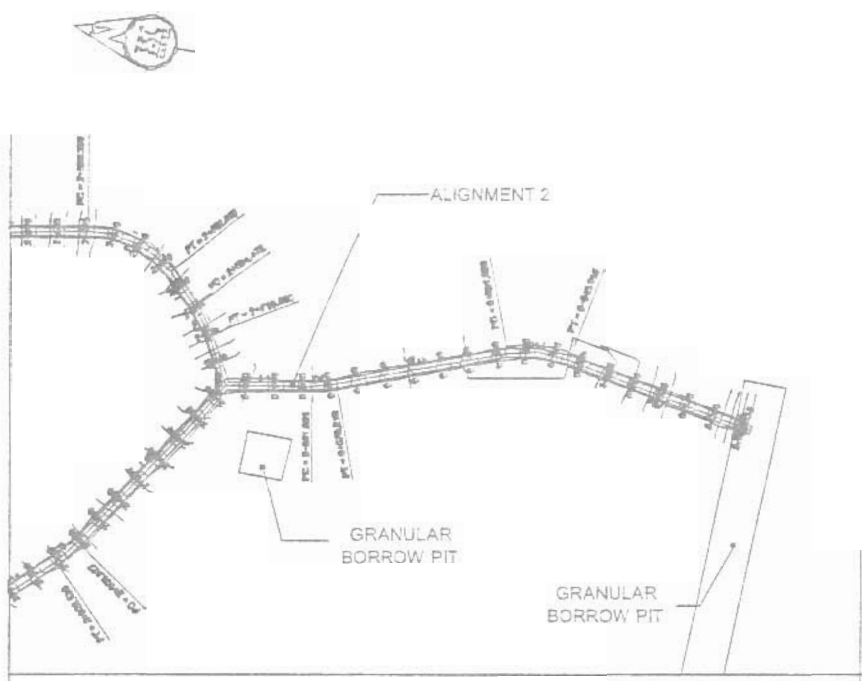
Chesterfield Inlet
Nunavut

Checkers Lake
Access Road

October 1, 2004

BM

Fig 1



TYPICAL CULVERT DETAIL

600 Ø CSP

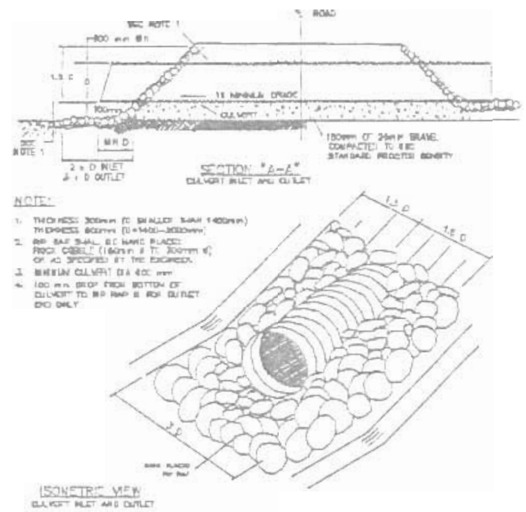
MINIMUM 300mm COVER

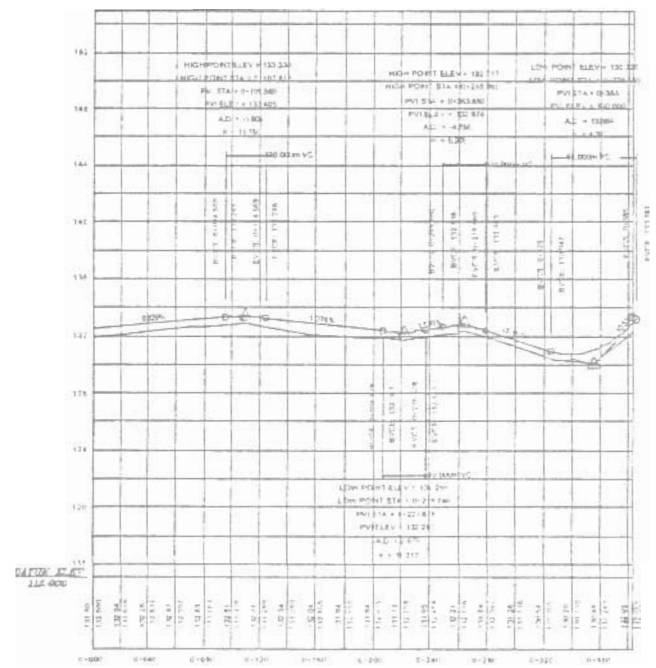
MINIMUM 1% CROSSFALL

APPROXIMATELY 12m

3:1 SIDESLOPES

CULVERT LOCATION LIST





TYPICAL ROAD SECTION

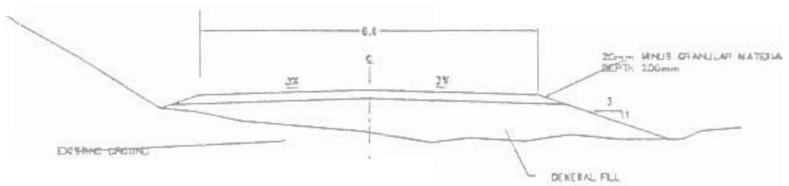
8.0m WIDE

0.5m FILL AT CENTRELINE

3% CROSSFALL

200mm FILL OF 16mm MINUS FOR ROAD SURFACE

3:1 SIDESLOPES



FSC GROUP

LEGEND

PLAN

CENTRELINE ALIGNMENT

DESIGN SHOULDER

DESIGN TOE OF SLOPE

NEW DIMENSION

DESIGN CULVERT

PROFILE

PROFILE CENTRELINE DESIGN GRADE

PROFILE GRADE LABELS

DESIGN CULVERT

NOTES

COMMUNITY GOVERNMENT AND TRANSPORTATION

CHESTERFIELD INLET ROAD TO GRANULAR BORROW PIT

CHESTERFIELD INLET, NU

PLAN/PROFILE
ALIGNMENT 2
0+000 TO 0+383.035
DETAILS DRAFT

JP	H=1:2000 V=1:200
JP	JULY 14, 2002
KH	
CHESTER.DWG	2002-0890
4 of 5	C4

LINE TABLE		
LINE	LENGTH	BEARING
L1	62.17	[illegible]
L2	345.80	[illegible]
L3	238.85	[illegible]
L4	388.54	[illegible]
L5	156.57	[illegible]
L6	1140.79	[illegible]
L7	109.85	[illegible]
L8	31.60	[illegible]
L9	97.57	[illegible]
L10	184.81	[illegible]
L11	89.80	[illegible]
L12	91.85	[illegible]
L13	122.54	[illegible]
L14	186.02	[illegible]

CURVE TABLE		
CURVE	LENGTH	RADIUS
C1	[illegible]	[illegible]
C2	[illegible]	[illegible]
C3	[illegible]	[illegible]
C4	[illegible]	[illegible]
C5	[illegible]	[illegible]
C6	104.72	[illegible]
C7	[illegible]	[illegible]
C8	[illegible]	[illegible]
C9	[illegible]	100.00
C10	[illegible]	100.00
C11	45.76	[illegible]

STATION	AREAS Square Meters		VOLUMES Cubic Meters		CUMULATIVE VOLUMES Cubic Meters	
	CUT	FILL	CUT	FILL	CUT	FILL
0+000	0.000	2.217	0.000	33.841	0.000	33.841
0+010	0.000	3.671	0.000	37.257	0.000	71.197
0+020	0.000	3.880	0.000	40.862	0.000	111.838
0+030	0.000	4.292	0.000	44.312	0.000	156.371
0+040	0.000	4.650	0.000	10.186	0.000	166.557
0+042.170	0.000	4.736	0.000	39.102	0.000	205.884
0+050	0.000	6.466	0.000	37.918	0.000	243.582
0+057.853	0.000	4.886	0.000	11.770	0.000	255.302
0+060	0.000	4.721	0.000	41.740	0.000	297.082
0+070	0.000	3.622	0.000	37.830	0.000	334.747
0+080	0.001	3.905	0.006	38.707	0.011	373.454
0+090	0.000	3.832	0.000	40.086	0.011	413.540
0+100	0.000	4.185	0.000	38.560	0.011	452.000
0+110	0.000	3.525	0.000	32.118	0.011	484.208
0+120	0.000	2.899	0.000	27.287	0.011	511.504
0+130	0.000	2.561	0.000	40.586	0.011	552.084
0+140	0.000	5.557	0.000	72.387	0.011	624.481
0+150	0.000	8.920	0.000	96.123	0.011	720.605
0+160	0.000	10.304	0.000	82.935	0.011	803.536
0+170	0.000	6.283	0.000	51.288	0.011	854.803
0+180	0.000	3.971	0.000	31.544	0.011	886.348
0+190	0.000	2.336	0.096	17.493	0.107	903.840
0+200	0.019	1.161	0.596	9.086	0.703	912.828
0+210	0.100	0.657	0.820	7.148	1.523	920.078
0+220	0.064	0.773	0.707	8.428	2.230	928.506
0+230	0.058	0.913	0.464	9.843	2.763	938.346
0+240	0.035	1.058	0.182	12.858	2.876	951.007
0+250	0.001	1.478	0.006	19.787	2.982	970.794
0+260	0.000	2.481	0.000	30.361	2.982	1001.145
0+270	0.000	3.588	0.000	42.068	2.982	1043.214
0+280	0.000	4.825	0.000	56.012	2.982	1099.226
0+290	0.000	6.377	0.000	73.564	2.982	1172.790
0+300	0.000	8.336	0.000	95.561	2.982	1268.357
0+310	0.000	10.776	0.000	104.719	2.982	1373.076
0+320	0.000	10.168	0.000	86.545	2.982	1459.621
0+330	0.000	7.141	0.000	59.327	2.982	1518.948
0+340	0.000	4.724	0.000	37.591	2.982	1556.538
0+350	0.000	2.784	0.000	30.872	2.982	1587.411
0+360	0.000	3.381	0.000	37.612	2.982	1625.023
0+370	0.000	4.142	0.000	46.440	2.982	1670.463
0+380	0.000	4.946	0.000	53.486	2.982	1723.951
0+390	0.000	5.751	0.000	56.304	2.982	1780.255
0+400	0.000	5.601	0.000	29.942	2.982	1810.187
0+405.881	0.000	5.271	0.000	23.081	2.982	1833.258
0+410	0.000	5.081	0.000	48.405	2.982	1881.663
0+420	0.000	4.587	0.000	49.872	2.982	1931.536
0+430	0.000	5.571	0.000	63.045	2.982	1994.581
0+440	0.000	7.034	0.000	33.992	2.982	2027.573
0+444.844	0.000	7.606	0.000	42.071	2.982	2069.644
0+450	0.000	8.103	0.000	83.122	2.982	2152.766
0+460	0.000	8.522	0.000	85.764	2.982	2238.531
0+470	0.000	8.631	0.000	95.310	2.982	2333.841
0+480	0.000	10.431	0.000	104.903	2.982	2438.744
0+490	0.000	10.550	0.000	101.743	2.982	2540.487
0+500	0.000	9.798	0.000	95.103	2.982	2635.590
0+510	0.000	9.222	0.000	94.967	2.982	2730.557
0+520	0.000	9.772	0.000	84.584	2.982	2815.141
0+530	0.000	7.145	0.000	60.514	2.982	2875.656
0+540	0.000	4.958	0.000	44.955	2.982	2920.610
0+550	0.000	4.033	0.000	41.108	2.982	2961.718
0+560	0.000	4.188	0.000	46.187	2.982	3007.905
0+570	0.000	5.049	0.000	55.723	2.982	3063.628
0+580	0.000	6.095	0.000	65.690	2.982	3129.318
0+590	0.000	7.042	0.000	67.167	2.982	3196.485
0+600	0.000	6.381	0.000	60.781	2.982	3257.266
0+610	0.000	5.765	0.000	54.602	2.982	3311.868
0+620	0.000	5.155	0.000	48.940	2.982	3360.808
0+630	0.000	4.633	0.000	46.335	2.982	3407.143
0+640	0.000	4.634	0.000	46.293	2.982	3453.436
0+650	0.000	4.624	0.000	46.160	2.982	3499.596
0+660	0.000	4.608	0.000	45.995	2.982	3545.591
0+670	0.000	4.591	0.000	18.365	2.982	3564.956
0+674.284	0.000	4.420	0.000	24.883	2.982	3589.833
0+680	0.000	4.218	0.000	40.300	2.982	3629.983
0+690	0.000	3.836	0.000	26.100	2.982	3656.083
0+697.122	0.000	3.473	0.000	9.736	2.982	3665.822
0+700	0.000	3.295	0.000	29.816	2.982	3695.638
0+710	0.000	2.668	0.000	30.400	2.982	3726.038
0+720	0.000	3.412	0.000	36.733	2.982	3762.771
0+730	0.000	3.936	0.000	42.138	2.982	3804.832
0+740	0.000	4.492	0.000	48.057	2.982	3852.992
0+750	0.000	5.116	0.000	0.000	2.982	3852.992

STATION	AREAS Square Meters		VOLUMES Cubic Meters		CUMULATIVE VOLUMES Cubic Meters	
	CUT	FILL	CUT	FILL	CUT	FILL
0+760	0.000	5.864	0.000	56.731	0.000	56.731
0+770	0.000	5.781	0.000	59.305	0.000	116.036
0+780	0.000	6.079	0.000	62.331	0.000	178.366
0+790	0.000	6.391	0.000	64.691	0.000	243.058
0+800	0.000	6.546	0.000	64.294	0.000	307.352
0+810	0.000	6.312	0.000	61.715	0.000	369.072
0+820	0.000	6.032	0.000	58.832	0.000	427.906
0+830	0.000	5.734	0.000	55.061	0.000	482.963
0+840	0.000	5.277	0.000	49.617	0.000	532.482
0+850	0.000	4.827	0.000	43.114	0.000	575.596
0+860	0.000	3.997	0.000	36.851	0.000	612.550
0+870	0.000	3.393	0.000	32.044	0.000	644.545
0+880	0.000	3.016	0.000	29.071	0.000	673.671
0+890	0.000	2.798	0.000	28.391	0.000	702.061
0+900	0.000	2.880	0.000	37.803	0.000	739.863
0+910	0.000	4.621	0.000	56.864	0.000	796.127
0+920	0.000	6.660	0.000	80.173	0.000	876.284
0+930	0.000	9.344	0.000	97.832	0.000	973.920
0+940	0.000	10.182	0.000	96.031	0.000	1069.963
0+950	0.000	9.025	0.000	83.777	0.000	1153.741
0+960	0.000	7.730	0.000	71.218	0.000	1224.959
0+970	0.000	6.514	0.000	59.451	0.000	1284.410
0+980	0.000	5.376	0.000	50.115	0.000	1334.525
0+990	0.000	3.647	0.000	54.504	0.000	1389.029
1+000	0.000	5.254	0.000	49.765	0.000	1443.794
1+010	0.000	4.699	0.000	45.724	0.000	1488.516
1+020	0.000	4.448	0.000	23.791	0.000	1512.307
1+026.182	0.000	4.774	0.000	23.891	0.000	1537.314
1+030	0.000	5.151	0.000	55.512	0.000	1592.832
1+040	0.000	5.947	0.000	63.780	0.000	1656.622
1+050	0.000	6.812	0.000	69.432	0.000	1726.055
1+060	0.000	7.086	0.000	66.745	0.000	1792.800
1+070	0.000	6.272	0.000	58.764	0.000	1851.564
1+080	0.000	5.484	0.000	51.741	0.000	1903.326
1+090	0.000	4.868	0.000	20.781	0.000	1924.090
1+094.391	0.000	4.579	0.000	25.801	0.000	1948.940
1+100	0.000	4.601	0.000	47.172	0.000	1997.114
1+110	0.000	4.784	0.000	48.532	0.000	2045.643
1+120	0.000	4.923	0.000	50.534	0.000	2096.179
1+130	0.000	5.184	0.000	57.454	0.000	2153.637
1+140	0.000	6.307	0.000	58.484	0.000	2212.101
1+150	0.000	5.386	0.000	49.377	0.000	2261.478
1+160	0.000	4.490	0.000	44.966	0.000	2306.484
1+170	0.000	4.507	0.000	48.236	0.000	2354.700
1+180	0.000	5.340	0.000	58.516	0.000	2414.216
1+190	0.000	6.383	0.000	67.283	0.000	2481.499
1+200	0.000	7.063	0.000	60.041	0.000	2541.545
1+210	0.000	4.916	0.000	12.316	0.000	2553.861
1+212.671	0.000	4.308	0.106	24.874	0.106	2578.735
1+220	0.026	2.501	1.975	20.182	2.081	2598.917
1+230	0.340	1.877	1.610	10.649	3.691	2609.567
1+236.782	0.102	1.616	0.237	5.250	3.928	2614.817
1+240	0.046	1.657	0.230	15.680	4.158	2630.497
1+250	0.000	1.478	0.000	52.814	4.158	2683.310
1+260	0.000	9.064	0.000	126.119	4.158	2809.428
1+270	0.000	16.140	0.000	142.516	4.158	2951.945
1+280	0.000	12.363	0.000	98.340	4.158	3050.286
1+290	0.000	7.306	0.000	58.094	4.158	3108.379
1+300	0.000	4.514	0.000	41.162	4.158	3149.542
1+310	0.000	3.718	0.000	38.565	4.158	3188.107
1+320	0.000	3.994	0.000	42.141	4.158	3231.247
1+330	0.000	4.434	0.000	46.326	4.158	3277.573
1+340	0.000	4.831	0.000	48.289	4.158	3325.842
1+350	0.000	4.822	0.000	47.995	4.158	3373.837
1+360	0.000	4.777	0.000	44.064	4.158	3417.881
1+370	0.000	4.034	0.000	40.212	4.158	3458.103
1+380	0.000	4.006	0.000	38.895	4.158	3497.998
1+390	0.000	3.871	0.000	36.987	4.158	3534.988
1+400	0.000	3.423	0.000	27.062	4.158	3561.047
1+410	0.000	1.994	0.000	26.355	4.158	3588.402
1+420	0.000	3.277	0.000	35.185	4.158	3623.588
1+430	0.000	3.780	0.000	35.440	4.158	3659.028
1+440	0.000	3.328	0.000	32.173	4.158	3691.201
1+450	0.000	3.106	0.000	30.517	4.158	3721.718
1+460	0.000	2.997	0.000	29.394	4.158	3751.112
1+470	0.000	2.882	0.000	28.205	4.158	3779.317
1+480	0.000	2.758	0.000	26.971	4.158	3806.288
1+490	0.000	2.635	0.000	25.733	4.158	3832.021
1+500	0.000	2.812	0.000	25.193	4.158	3857.214
1+510	0.000	2.027	0.000	30.577	4.158	3887.791
1+520	0.000	3.346	0.000	47.643	4.158	3935.434
1+530	0.000	6.020	0.000	74.283	4.158	4009.718
1+540	0.000	8.837	0.000	76.504	4.158	4086.222
1+550	0.000	6.884	0.000	66.866	4.158	4154.088
1+560	0.000	6.309	0.000	60.428	4.158	4214.516
1+570	0.000	5.775	0.000	45.813	4.158	4260.329
1+580	0.000	3.398	0.000	41.703	4.158	4302.034
1+590	0.000	4.933	0.000	53.644	4.158	4355.678
1+600	0.000	5.774	0.000	90.335	4.158	4446.013
1+610	0.000	12.293	0.000	121.131	4.158	4567.144
1+620	0.000	11.933	0.000	116.562	4.158	4683.706
1+630	0.000	11.379	0.000	111.235	4.158	4794.941
1+640	0.000	10.868	0.000	96.403	4.158	4891.403
1+650	0.000	8.425	0.000	74.700	4.158	4966.104
1+660	0.000	6.516	0.000	61.028	4.158	5027.132
1+670	0.000	5.690	0.000	0.000	4.158	5027.132

STATION	AREAS Square Meters		VOLUMES Cubic Meters		CUMULATIVE VOLUMES Cubic Meters	
	CUT	FILL	CUT	FILL	CUT	FILL
1+680	0.000	5.800	0.000	63.281	0.000	63.281
1+690	0.000	6.857	0.000	69.868	0.000	133.156
1+700	0.000	7.116	0.000	73.867	0.000	207.023
1+710	0.000	7.657	0.000	79.314	0.000	286.336
1+720	0.000	8.205	0.000	84.821	0.000	371.157
1+730	0.000	8.759	0.000	90.347	0.000	461.505
1+740	0.000	9.312	0.000	91.747	0.000	553.253
1+750	0.000	9.036	0.000	87.731	0.000	640.984
1+760	0.000	8.500	0.000	82.554	0.000	723.537
1+770	0.000	8.007	0.000	77.487	0.000	801.025
1+780	0.000	7.491	0.000	72.412	0.000	873.438
1+790	0.000	6.861	0.000	67.254	0.000	940.685
1+800	0.000	6.464	0.000	61.556	0.000	1002.252
1+810	0.000	5.847	0.000	55.481	0.000	1057.720
1+820	0.000	5.247	0.000	49.583	0.000	1107.303
1+830	0.000	4.675	0.000	43.884	0.000	1151.187
1+840	0.000	4.127	0.000	38.712	0.000	1189.899
1+850	0.000	3.616	0.000	33.785	0.000	1223.784
1+860	0.000	3.141	0.000	33.634	0.000	1256.713
1+870	0.000	3.445	0.000	36.357	0.000	1293.070
1+880	0.000	3.827	0.000	40.261	0.000	1333.331
1+890	0.000	4.225	0.000	43.502	0.000	1376.836
1+900	0.000	4.475	0.000	42.940	0.000	1419.775
1+910	0.000	4.113	0.000	39.309	0.000	1459.084
1+920	0.000	3.748	0.000	46.162	0.000	1505.246
1+930	0.000	5.466	0.000	64.703	0.000	1569.949
1+940	0.000	7.453	0.000	85.535	0.000	1655.505
1+950	0.000	9.654	0.000	101.738	0.000	1757.243
1+960	0.000	10.693	0.000	111.533	0.000	1868.777
1+970	0.000	11.612	0.000	122.326	0.000	1991.103
1+980	0.000	12.632	0.000	136.284	0.000	2127.387
1+990	0.000	14.407	0.000	152.408	0.000	2279.806
2+000	0.000	16.075	0.000	169.470	0.000	2449.275
2+010	0.000	17.819	0.000	163.896	0.000	2612.071
2+020	0.000	14.630	0.000	131.855	0.000	2744.628
2+030	0.000	11.451	0.000	98.884	0.000	2843.620
2+040	0.000	8.342	0.000	69.836	0.000	2913.466
2+050	0.000	5.618	0.000	51.644	0.000	2965.288
2+060	0.000	4.706	0.000	43.714	0.000	3009.014
2+070	0.000	4.074	0.000	36.498	0.000	3045.512
2+080	0.000	3.256	0.000	26.758	0.000	3074.270
2+090	0.000	2.485	0.000	28.696	0.000	3102.985
2+100	0.000	3.254	0.000	33.628	0.000	3136.462
2+110	0.000	3.452	0.000	35.727	0.000	3172.216
2+120	0.000	3.694	0.000	36.371	0.000	3210.588
2+130	0.000	3.880	0.000	41.424	0.000	3252.013
2+140	0.000	4.304	0.000	44.743	0.000	3296.757
2+150	0.000	4.644	0.000	48.112	0.000	3344.869
2+160	0.000	4.078	0.000	52.113	0.000	3396.981
2+170	0.000	5.444	0.000	58.531	0.000	3456.512
2+180	0.000	6.262	0.000	65.706	0.000	3524.218
2+190	0.000	7.480	0.000	63.030	0.000	3587.248
2+200	0.000	5.126	0.000	47.836	0.000	3634.687
2+210	0.000	4.401	0.000	42.158	0.000	3677.046
2+220	0.000	4.030	0.000	39.427	0.000	3716.473
2+230	0.000	3.855	0.000	37.644	0.000	3754.117
2+240	0.000	3.674	0.000	35.768	0.000	3789.885
2+250	0.000	3.480	0.000	33.775	0.000	3823.660
2+260	0.000	3.275	0.000	33.223	0.000	3856.883
2+270	0.000	3.370	0.000	37.011	0.000	3893.894
2+280	0.000	4.032	0.000	43.782	0.000	3937.676
2+290	0.000	4.724	0.000	50.848	0.000	3988.524
2+300	0.000	5.446	0.000	58.199	0.000	4046.723
2+310	0.000	6.194	0.000	61.864	0.000	4108.586
2+320	0.000	6.179	0.000	61.020	0.000	4169.606
2+330	0.000	6.025	0.000	59.818	0.000	4228.424
2+340	0.000	5.838	0.000	58.440	0.000	4286.864
2+350	0.000	5.850	0.000	54.665	0.000	4341.529
2+360	0.000	4.884	0.000	46.738	0.000	4388.265
2+370	0.000	4.364	0.000	43.544	0.000	4431.809
2+380	0.000	4.345	0.000	15.817	0.000	4447.627
2+381.582	0.000	4.486	0.000	30.031	0.000	4477.658
2+390	0.000	4.840	0.000	50.884	0.000	4528.542
2+400	0.000	5.278	0.000	34.150	0.000	4564.501
2+410	0.000	5.536	0.000	56.356	0.000	4620.858
2+420	0.000	5.716	0.000	58.171	0.000	4690.030
2+430	0.000	5.903	0.000	69.678	0.000	4756.708
2+440	0.000	6.020	0.000	60.965	0.000	4819.673
2+450	0.000	6.184	0.000	61.444	0.000	4881.117
2+460	0.000	6.119	0.000	57.105	0.000	4938.228
2+470	0.000	5.307	0.000	48.804	0.000	4987.030
2+480	0.000	4.463	0.000	44.731	0.000	5031.761
2+480.314	0.000	5.148	0.000	3.551	0.000	5035.312
2+490	0.000	5.206	0.000	56.306	0.000	5091.618
2+500	0.000	6.056	0.000	64.996	0.000	5156.614
2+510	0.000	6.822	0.000	73.534	0.000	5230.148
2+520	0.000	7.803	0.000	78.034	0.000	5308.807
2+530	0.000	7.827	0.000	75.663	0.000	5384.464
2+540	0.000	7.205	0.000	68.506	0.000	5452.971
2+550	0.000	6.407	0.000	61.492	0.000	5514.464
2+560	0.000	5.807	0.000	64.629	0.000	5565.093
2+570	0.000	6.124	0.000	47.987	0.000	5617.080
2+580	0.000	4.470	0.000	41.626	0.000	5658.006
2+590	0.000	3.912	0.000	23.474	0.000	5682.481
2+596.260	0.000	3.337	0.000	12.696	0.000	5695.177
2+600	0.000	3.281	0.000	0.000	0.000	5695.177

STATION	AREAS Square Meters		VOLUMES Cubic Meters		CUMULATIVE VOLUMES Cubic Meters	
	CUT	FILL	CUT	FILL	CUT	FILL
2+610	0.000	3.452	0.000	48.536	0.000	48.536
2+620	0.000	6.271	0.000	74.281	0.000	122.825
2+630	0.000	8.531	0.000	100.925	0.000	223.734
2+640	0.000	11.561	0.000	120.241	0.000	343.991
2+650	0.000	12.461	0.000	124.558	0.000	468.553
2+660	0.000	12.462	0.000	33.056	0.000	501.612
2+662.866	0.000	12.485	0.000	91.582	0.000	593.194
2+670	0.000	12.487	0.000	124.415	0.000	717.610
2+680	0.000	12.416	0.000	123.620	0.000	841.229
2+690	0.000	12.308	0.000	54.861	0.000	896.191
2+694.478	0.000	12.241	0.000	67.232	0.000	963.423
2+700	0.000	12.136	0.000	111.191	0.000	1074.733
2+710	0.000	10.096	0.000	58.215	0.000	1132.947
2+716.560	0.000	7.882	0.000	24.473	0.000	1157.421
2+720	0.000	6.505	0.000	50.025	0.000	1207.446
2+730	0.000	3.500	0.158	22.922	0.158	1230.368
2+740	0.032	1.085	0.391	11.207	0.549	1241.575
2+750	0.046	1.157	0.232	17.337	0.782	1258.907
2+760	0.000	2.310	0.000	23.401	0.782	1282.309
2+770	0.000	2.371	0.000	23.671	0.782	1305.980
2+780	0.000	2.363	0.000	23.061	0.782	1328.986
2+790	0.000	2.254	0.000	21.781	0.782	1350.737
2+800	0.000	2.082	0.000	20.075	0.782	1370.811
2+810	0.000	1.925	0.000	18.403	0.782	1389.215
2+820	0.000	1.738	0.000	15.899	0.787	1405.114
2+830	0.001	1.581	0.043	14.710	0.826	1420.824
2+840	0.007	1.381	0.037	14.902	0.867	1435.526
2+850	0.000	1.620	0.000	18.014	0.867	1453.539
2+860	0.000	1.983	0.000	21.768	0.867	1475.307
2+870	0.000	2.370	0.000	24.938	0.867	1500.246
2+880	0.000	2.618	0.000	27.301	0.867	1527.546
2+890	0.000	2.843	0.000	29.554	0.867	1557.108
2+900	0.000	3.068	0.000	26.352	0.867	1583.458
2+908.327	0.000	3.180	0.000	5.483	0.867	1588.941
2+910	0.000	3.180	0.000	35.847	0.867	1624.788
2+920	0.000	3.870	0.000	32.441	0.867	1657.229
2+928.530	0.000	3.732	0.000	5.461	0.867	1662.697
2+930	0.000	2.710	0.000	38.428	0.867	1695.125
2+940	0.000	3.575	0.000	35.281	0.867	1734.390
2+950	0.000	3.476	0.000	34.361	0.867	1768.750
2+960	0.000	3.349	0.000	33.54	0.867	1802.300
2+970	0.000	3.313	0.000	32.721	0.867	1835.021
2+980	0.000	3.231	0.000	27.854	0.867	1862.880
2+986.533	0.000	3.288	0.000	0.000	0.867	1862.880

ALIGNMENT 2

STATION	AREAS Square Meters		VOLUMES Cubic Meters		CUMULATIVE VOLUMES Cubic Meters	
	CUT	FILL	CUT	FILL	CUT	FILL
0+000	0.000	4.381	0.000	44.821	0.000	44.821
0+010	0.000	4.582	0.000	44.636	0.000	89.457
0+020	0.000	4.344	0.000	42.258	0.000	131.715
0+030	0.000	4.108	0.000	39.922	0.000	171.637
0+040	0.000	3.876	0.000	37.614	0.000	209.251
0+050	0.000	3.647	0.000	35.109	0.000	244.360
0+060	0.000	3.375	0.000	3.484	0.000	247.834
0+061.031	0.000	3.344	0.000	28.281	0.000	276.082
0+070	0.000	2.934	0.000	28.122	0.000	304.210
0+078.218	0.000	3.141	0.000	2.454	0.000	306.660
0+080	0.000	3.159	0.000	32.731	0.000	339.401
0+090	0.000	3.387	0.000	34.591	0.000	373.998
0+100	0.000	3.532	0.000	33.567	0.000	407.562
0000+00	CUTA	FILLA	CUTV	FILLV	CUMCUTV	CUMFILLV
0+120	0.000	4.016	0.000	43.771	0.000	487.333
0+130	0.000	4.738	0.000	50.861	0.000	536.283
0+140	0.000	5.436	0.000	57.875	0.000	596.075
0+150	0.000	6.137	0.000	61.758	0.000	657.836
0+160	0.000	6.214	0.000	59.572	0.000	717.407
0+170	0.000	5.700	0.000	54.318	0.000	771.726
0+180	0.000	5.164	0.000	48.928	0.000	820.654
0+190	0.000	4.622	0.000	43.381	0.000	864.219
0+200	0.000	4.081	0.000	3.106	0.000	867.325
0+201.258	0.000	4.025	0.000	33.450	0.000	900.775
0+210	0.000	3.814	0.000	37.256	0.000	940.034
0+220	0.000	3.822	0.000	37.198	0.000	977.232
0+230	0.000	3.821	0.000	36.419	0.000	1013.651
0+240	0.000	3.867	0.000	18.686	0.000	1032.337
0+243.018	0.000	3.788	0.000	19.165	0.000	1051.502
0+250	0.000	3.607	0.000	35.920	0.000	1087.422
0+260	0.000	3.162	0.000	30.306	0.000	1117.728
0+270	0.000	2.779	0.000	28.388	0.000	1146.116
0+280	0.000	2.809	0.000	28.647	0.000	1174.763
0+290	0.000	2.831	0.000	29.401	0.000	1204.164
0+300	0.000	3.048	0.000	32.351	0.000	1236.515
0+310	0.000	3.422	0.000	36.287	0.000	1272.805
0+320	0.000	3.836	0.000	36.663	0.000	1309.468
0+330	0.000	3.497	0.000	34.481	0.000	1343.951
0+340	0.000	3.400	0.000	44.330	0.000	1388.281
0+350	0.000	5.466	0.000	56.048	0.000	1444.329
0+360	0.000	5.744	0.000	47.286	0.000	1491.615
0+370	0.000	3.713	0.000	38.227	0.000	1529.841
0+380	0.000	3.637	0.000	5.808	0.000	1535.607
0+383.035	0.000	0.000	0.000	0.000	0.000	1535.607

FSC GROUP

FERGUSON SIMEK CLARK
ENGINEERS AND ARCHITECTS

NOTES:

SURVEY POSITION OF THE EXISTING AND PROPOSED ELEMENTS OF THIS PROJECT WERE FIELD LOCATED UTILIZING SINGLE ANTENNA NON-DIFFERENTIAL GPS.

RELATIVE HORIZONTAL AND VERTICAL ALIGNMENTS FOR THE PROPOSED ROADWAY WERE ESTABLISHED UTILIZING DIGITAL ENGINEERING SURVEY EQUIPMENT. RELATIVE ACCURACY OF THE PROJECT IS THEREFORE HIGH WITHIN THE PROJECT BOUNDARY.

ESTIMATED RELATIVE ACCURACY OF THE PROJECT IS +/- 5 cm.

ESTIMATED ABSOLUTE ACCURACY OF THE OVERALL PROJECT IS +/- 5 m.

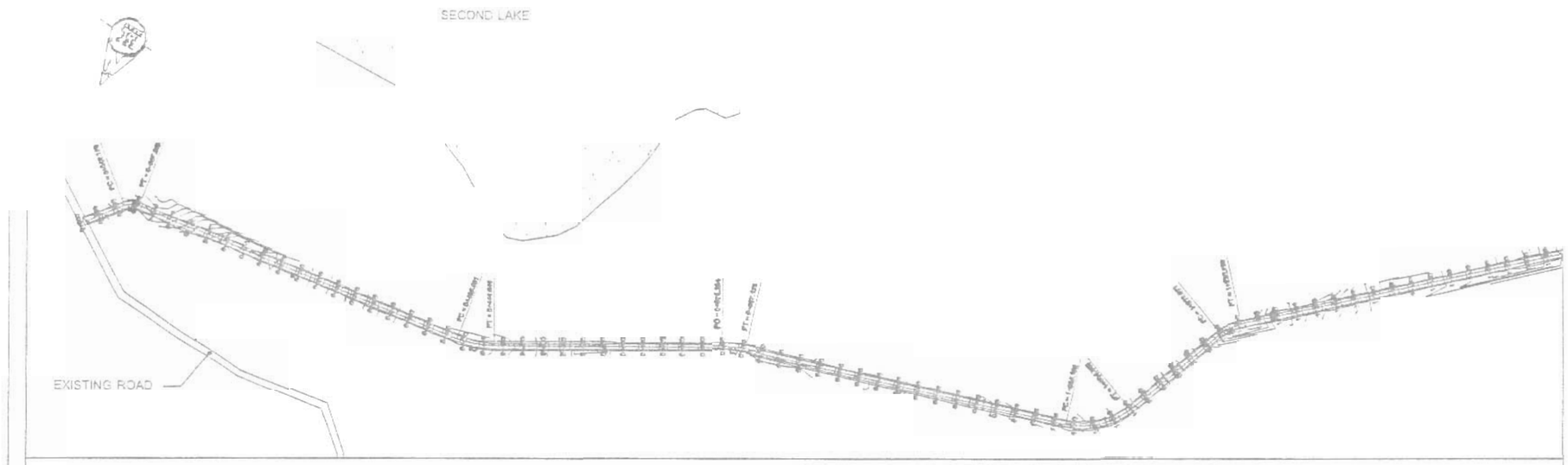
Nunavut
COMMUNITY GOVERNMENT AND TRANSPORTATION

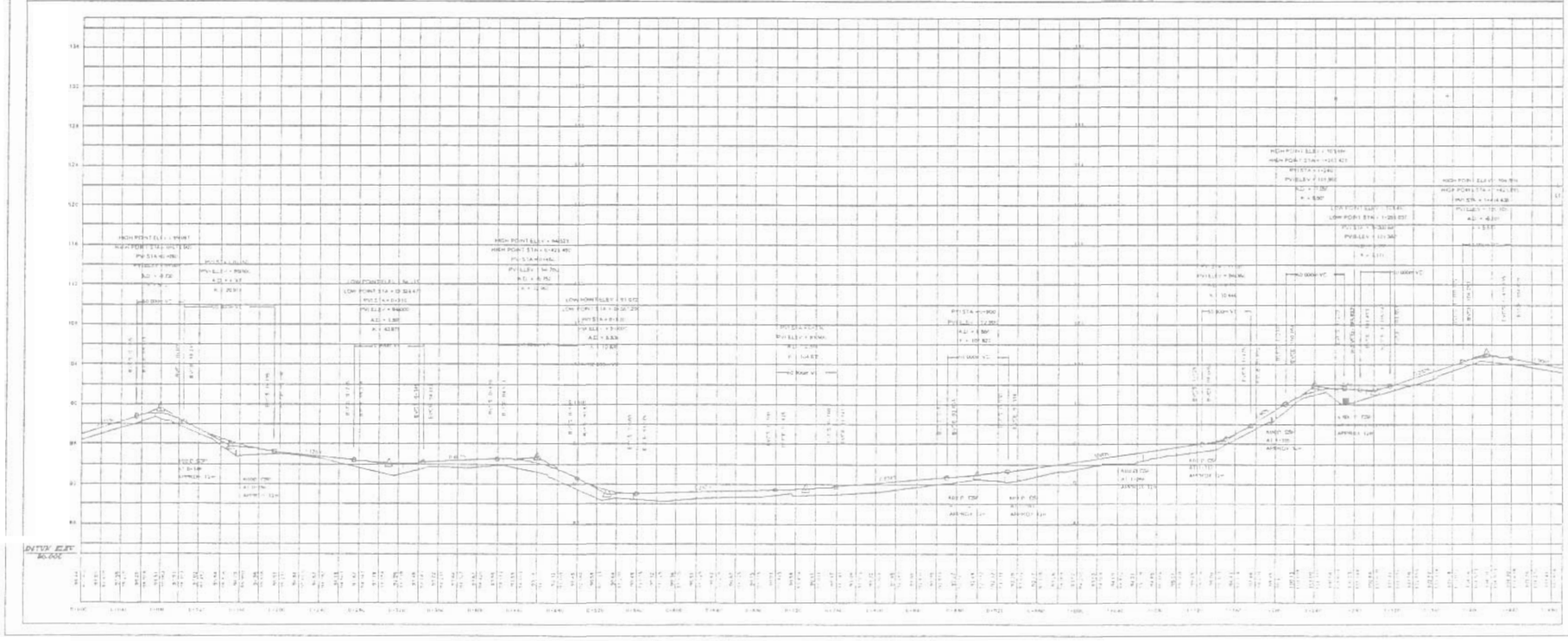
CHESTERFIELD INLET ROAD TO GRANULAR BORROW PIT

CHESTERFIELD INLET, NU

DETAIL

DESIGNED BY: JP	SCALE: NTS
DRAWN BY: JP	DATE: JULY 14, 2003
CHECKED BY: RIT	
CAD FILE: CHESTER.DWG	PROJECT NO.: 2003-0890
SHEET: 5 of 5	DRAWING NO.: C5





LEGEND

PLAN

- CENTERLINE ALIGNMENT LIN. OF CURVE
- DESIGN SHOULDER
- DESIGN TOE OF SLOPE
- 120.83 NEW DIMENSION
- DESIGN CULVERT

PROFILE

- PROFILE CENTERLINE DESIGN GRADE
- PROFILE GRADE, LAKE LE
- DESIGN CULVERT

NOTES

SURVEY POSITION OF THE EXISTING AND PROPOSED ELEMENTS OF THIS PROJECT WERE FIELD LOCATED BY USING SINGLE ANTENNA ON DIFFERENTIAL GPS.

RELATIVE HORIZONTAL AND VERTICAL ALIGNMENTS FOR THE PROPOSED ROADWAY WERE ESTABLISHED USING DIGITAL ENGINEERING SURVEY EQUIPMENT. RELATIVE ACCURACY OF THE PROJECT IS THEREFORE HIGH WITHIN THE PROJECT BOUNDARY.

ESTIMATED RELATIVE ACCURACY OF THE PROJECT IS +/- 0.1M

ESTIMATED ABSOLUTE ACCURACY OF THE OVERALL PROJECT IS +/- 5.0

FSC GROUP

FARRIBORN BANIK CLARK

Nunavut

COMMUNITY, GOVERNMENT AND TRANSPORTATION

CHESTERFIELD INLET ROAD TO GRANULAR BORROW PIT

CHESTERFIELD INLET, NU

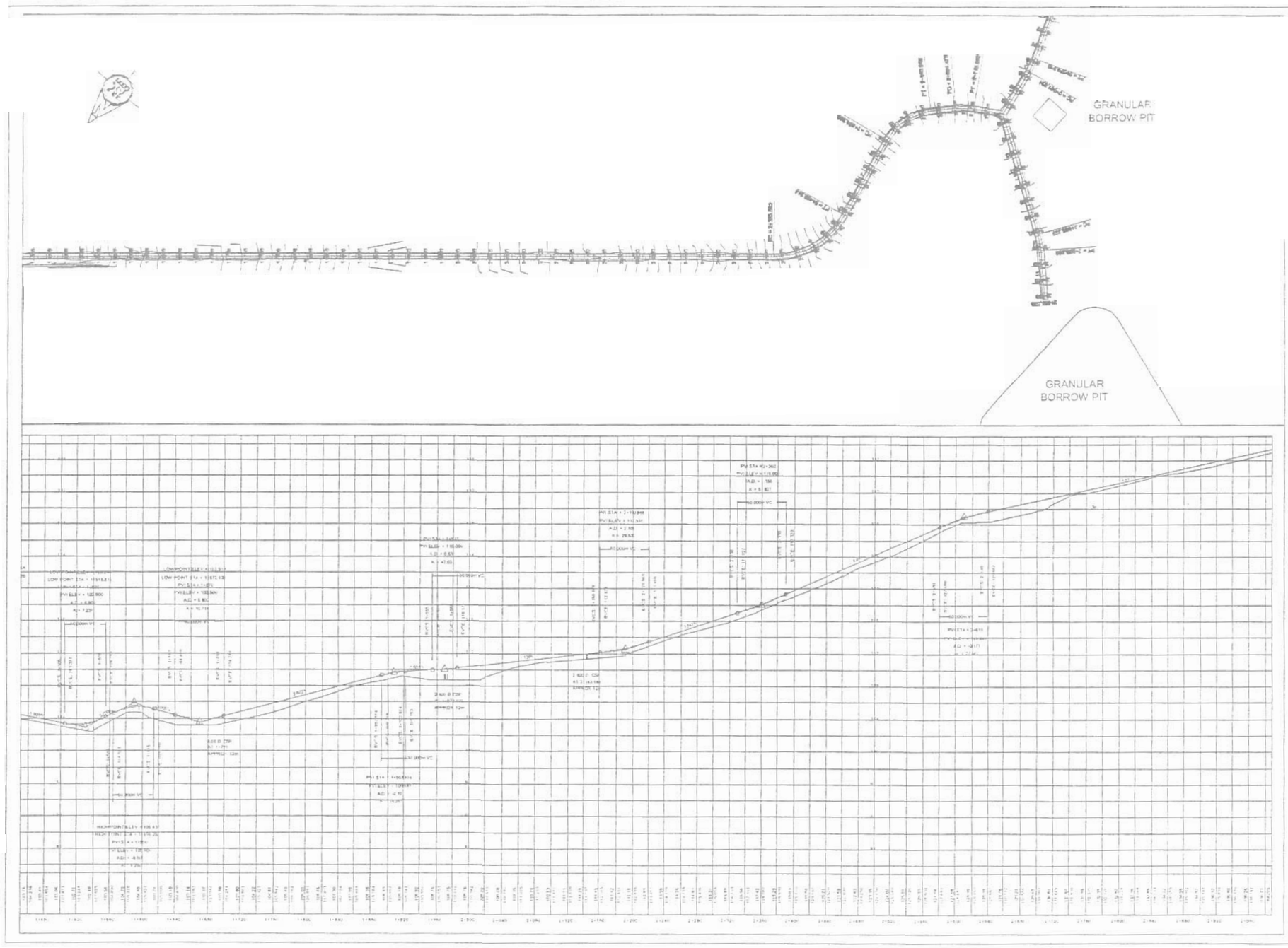
PLAN/PROFILE

ALIGNMENT 1

0+000 TO 1+480

DRAFT

DESIGNED BY: JP	SCALE: H=1/2000, V=1/250
DRAWN BY: JP	DATE: JULY 14, 2002
CHECKED BY: RT	PROJECT NO.
FILE NO.: CHESTER.DWG	FILE NO.: 2001-0890
SHEET: 2 OF 5	DRAWING NO.: C2



FSC
GROUP
HAMILTON BANK CLARK

LEGEND

PLAN

- CENTERLINE ALIGNMENT (LIN. OR CURV.)
- DESIGN SHOULDER
- DESIGN TOE OF SLOPE
- 120.83 — NEW DIMENSION
- DESIGN CULVERT

PROFILE

- PROFILE CENTRELINE DESIGN GRADE
- PROFILE SNACK LABELS
- DESIGN CULVERT

NOTES

SURVEY POSITION OF THE EXISTING AND PROPOSED ELEMENTS OF THIS PROJECT WERE FIELD LOCATED UTILIZING SINGLE ANTENNA NON-DIFFERENTIAL GPS

RELATIVE HORIZONTAL AND VERTICAL ALIGNMENTS FOR THE PROPOSED ROADWAY WERE ESTABLISHED UTILIZING DIGITAL ENGINEERING SURVEY EQUIPMENT. RELATIVE ACCURACY OF THE PROJECT IS THEREFORE HIGH WITHIN THE PROJECT BOUNDARY.

ESTIMATED RELATIVE ACCURACY OF THE PROJECT IS +/- 5 cm

ESTIMATED ABSOLUTE ACCURACY OF THE OVERALL PROJECT IS +/- 3 m

Nunavut
COMMUNITY GOVERNMENT AND TRANSPORTATION

CHESTERFIELD INLET
ROAD TO GRANULAR
BORROW PIT

CHESTERFIELD INLET, NU

PLAN/PROFILE
ALIGNMENT 1
1+480 TO 2+988.533
DRAFT

JP	H=1:2000 V=1:200
JP	JULY 14, 2002
KH	
CHESTER.DWG	2001-8690
9 of 5	C3