

**CORRECTIVE ACTION MANAGEMENT UNIT
(BMI SOUTH)
FINAL COVERSOIL SYSTEM AS-BUILT REPORT
HENDERSON, NV**

Prepared for:



ENTACT Environmental Services, LLC
699 South Friendswood Dr.
Suite 101
Friendswood, TX. 77546
(281) 996-9892

Prepared by:



Absolute Boundary & Control Solutions
6440 Sky Point Drive
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Las Vegas, NV 89131
(702) 953-7452

May 24, 2010



5/24/10

Attn: Erik Gehringer, Project Manager
ENTACT Environmental Services, LLC
699 South Friendswood Drive
Friendswood, TX. 77546

Re: CAMU – BMI SOUTH — Final Coversoil System As-Built

Mr. Gehringer,

This report outlines the results of the Final Coversoil System As-Built Survey which was accomplished within the BMI South area of the Corrective Action Management Unit (CAMU) project.

The intent of said report is to provide information such as but not limited to, Data, Calculations, Drawings, Tables, Charts, Electronic Files and other required media to satisfy the Submittal Requirements as outlined in Section 01050 of the Project Technical Specifications, Dated May, 2008.

Absolute Boundary & Control Solutions (ABCS) is pleased you have chosen us to complete these services, and assures you that every attempt has been made to prepare same in a fashion meeting or exceeding the Project Specifications. If however after your review you determine that revisions, clarifications or other modifications are needed, please do not hesitate to bring them to our attention.

In closing, thank you again for the opportunity to serve ENTACT. If you have any questions, comments or concerns, please do not hesitate to contact me.

Sincerely,

Craig A. Givant, PLS
President

(702) 953-7452
(702) 839-9750 fax

CERTIFICATION PAGE

CAMU – BMI SOUTH AREA
FINAL COVERSOIL SYSTEM AS-BUILT REPORT
HENDERSON, NV

I, Craig A. Givant, a Professional Land Surveyor registered in the State of Nevada, certify (as defined by Nevada Revised Statutes 625.403) that:

1. This report and any Land Surveying Practices (N.R.S. 625.040) on which it is based were performed directly by me or under my responsible charge (N.R.S. 625.080) in accordance with the Standards and Practices Governing Land Surveyors in the State of Nevada as defined by any applicable sections of the Nevada Revised Statutes (N.R.S.) or the Nevada Administrative Code (N.A.C.).
2. By affixing my official seal and signature below I am confirming that I am a Registered Land Surveyor in the State of Nevada and thereby satisfy the requirements of Section 01050, Part 1.03, Subpart A or the Project Technical Specifications.

Craig A. Givant, PLS
PLS 14348



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FIELD NOTES

BMI South – Final Coversoil System As-Built

The surface shown on the attached drawing represents the Final Coversoil System As-Built conditions within the BMI South area of the CAMU pursuant to the respective Final Coversoil Design verification. The data files used during the collection of the survey data are as follows:

New Survey Data

1. 2010-5-12 (BMI-S Eastern Edge ASb Topo)-MC
2. 2010-05-13 (BMI South CVR Verification) - CAG

All survey data used to determine the location and elevation of the above referenced Surface was collected electronically by Absolute Boundary & Control Solutions (ABCS).

Pertinent parameters required to be input into the software and which were obtained by means of human interaction, were verified as correct by performing field checks. These field checks and their resultant accuracies can be viewed within the Electronic Field Notes (Raw Data). The above referenced Raw Data files were used while acquiring the As-Built information. These files have not been printed for inclusion in this report however a Portable Document File (PDF) of each raw data printout is included electronically on the attached Compact Disk (CD). It should be noted that the contents of these Raw Data files may not pertain solely to the report herein presented and may include additional data from other “tasks” performed on the same day or outdated data which was reacquired at a later date. In all cases the coordinate listing appearing herein was used to generate the reported surface(s).

SURVEY DATA

As required by the project specification Absolute Boundary & Control Solutions (ABCS) utilized field survey methods which resulted in precisions equal to or better than the following:

Horizontal Coordinates: $\pm 1.0'$ (One Foot)

Vertical Coordinates: $\pm 0.10'$ (One Tenth of a Foot)

1. Coordinate Printout of the reduced (measured) coordinates from the Field Collection Efforts.

Point No.	Northing	Easting	Elevation	Description
4000	16987.91	14948.68	1772.63	dtm
4002	16995.86	14943.94	1773.46	dtm-top
4003	16995.74	14949.68	1773.04	dtm-top
4004	17042.09	14953.25	1775.11	dtm-top
4005	17075.13	14954.73	1776.22	dtm-top
4006	17110.44	14957.31	1776.72	dtm-top
4007	17156.84	14961.36	1777.02	dtm-top
4008	17196.61	14965.46	1776.55	dtm-top
4009	17231.99	14968.33	1776.33	dtm-top
4010	17271.91	14974.87	1775.27	dtm-top
4011	17306.97	14977.73	1774.01	dtm-top
4012	17344.50	14979.73	1771.81	dtm-topics
4013	17377.28	14979.42	1769.57	dtm-top
4014	17412.84	14977.95	1768.23	dtm-top
4015	17430.67	14986.70	1766.75	dtm-toe
4016	17386.37	14987.12	1768.30	toe
4017	17353.69	14986.98	1770.52	toe
4018	17322.99	14983.85	1772.29	toe
4019	17273.07	14979.40	1774.22	toe
4020	17232.39	14975.02	1774.76	toe
4021	17176.55	14969.28	1774.97	toe
4022	17126.98	14965.59	1775.19	toe
4023	17079.01	14963.19	1773.99	toe
4024	17039.46	14960.58	1772.75	toe
4025	17006.37	14956.10	1771.96	toe
4026	16991.20	14951.92	1772.33	toe
4027	17020.53	14716.61	1774.52	chk
4028	17053.15	14722.36	1778.78	chk
4029	17063.96	14658.42	1779.86	chk

Point No.	Northing	Easting	Elevation	Description
4030	17041.73	14650.69	1775.22	chk
4031	17037.27	14661.86	1774.88	chk
4032	17061.73	14673.19	1779.53	chk
4033	17057.60	14473.61	1773.64	rock
4034	17067.34	14454.72	1774.50	rock
4035	17072.92	14435.05	1775.11	rock
4036	17077.13	14417.37	1774.50	rock
4038	17097.87	14433.10	1779.49	rock
4039	17095.06	14469.80	1782.95	rock
4040	17090.17	14503.36	1783.05	rock
4041	17090.15	14532.14	1783.68	rock
4042	17084.31	14574.10	1783.37	rock
4043	17074.55	14623.47	1781.72	rock
4044	17064.35	14657.57	1779.94	rock
4045	17042.79	14652.21	1775.67	rock
4046	17036.17	14632.10	1774.22	rock
300000	16996.46	14949.34	1772.92	F 1.4
520023	17449.21	14958.01	1766.61	20023
520024	17435.10	14957.88	1767.91	20024
520025	17396.58	14927.64	1772.64	20025
520027	17450.34	14906.65	1767.19	20027
520028	17416.27	14904.04	1771.78	20028
520029	17396.21	14903.34	1774.11	20029
520030	17391.20	14855.35	1776.53	20030
520031	17415.32	14855.90	1773.59	20031
520032	17439.70	14856.04	1769.79	20032
520035	17446.61	14805.52	1769.62	20035
520036	17419.73	14804.79	1773.84	20036
520037	17399.52	14804.53	1776.56	20037
520039	17452.03	14756.23	1769.45	20039
520040	17423.92	14754.31	1773.76	20040
520041	17399.72	14753.16	1776.67	20041
520043	17457.51	14706.61	1769.18	20043
520044	17435.25	14705.79	1772.81	20044
520045	17414.62	14703.89	1775.54	20045
520048	17421.82	14651.90	1775.30	20048
520049	17449.35	14655.82	1771.39	20049
520050	17463.54	14657.46	1769.19	20050
520053	17464.87	14607.15	1769.46	20053
520054	17433.62	14605.81	1773.74	20054

Point No.	Northing	Easting	Elevation	Description
520057	17444.24	14555.05	1772.35	20057
520058	17462.51	14556.20	1770.23	20058
520061	17471.16	14484.03	1768.80	20061
520062	17448.46	14479.55	1770.93	20062
520065	17461.88	14439.81	1769.79	20065
520066	17486.97	14447.68	1767.60	20066
520069	17495.47	14382.51	1768.13	20069
520070	17470.04	14374.53	1769.75	20070
520071	17485.31	14327.59	1768.40	20071
520072	17509.21	14334.09	1767.66	20072
520076	17489.13	14317.82	1768.37	20076
520079	17487.18	14300.54	1768.26	20079
520080	17137.76	14319.12	1770.16	20080
541030	17093.19	14819.69	1779.03	41030
541047	17356.34	14800.83	1778.93	41047
541082	17395.69	14499.64	1776.39	41082
541091	17448.63	14378.77	1771.50	41091
541092	17450.69	14318.01	1768.94	41092
541093	17423.15	14322.42	1769.26	41093
541097	17330.16	14326.26	1769.57	41097
541103	17190.01	14337.49	1770.35	41103
541106	17144.40	14349.06	1772.07	41106
541108	17111.62	14380.39	1774.21	41108
541134	17092.79	14739.78	1780.08	41134
541137	17110.78	14652.70	1781.30	41137
541141	17113.62	14562.62	1783.40	41141
541153	17265.81	14466.89	1778.57	41153
541155	17309.65	14476.09	1776.92	41155
541157	17355.18	14477.71	1776.20	41157
541163	17367.67	14579.63	1778.52	41163
541231	17320.63	14886.95	1777.63	41231
541232	17272.31	14883.83	1778.89	41232
541233	17225.25	14881.20	1779.53	41233
541235	17135.25	14876.35	1779.86	41235
541236	17085.00	14873.27	1778.28	41236
541240	17063.71	14829.24	1777.99	41240
541241	17110.40	14831.82	1779.37	41241
541242	17158.88	14834.92	1780.07	41242
541243	17209.49	14838.53	1780.15	41243
541244	17258.14	14841.67	1780.19	41244

Point No.	Northing	Easting	Elevation	Description
541245	17306.05	14843.36	1779.47	41245
541247	17373.20	14847.16	1777.76	41247
541250	17376.13	14802.01	1778.29	41250
541251	17331.52	14800.07	1779.78	41251
541252	17282.73	14796.09	1780.65	41252
541253	17236.91	14793.35	1780.72	41253
541254	17190.96	14790.93	1780.54	41254
541255	17145.02	14788.44	1780.43	41255
541256	17098.33	14786.04	1779.61	41256
541257	17069.09	14784.37	1778.75	41257
541260	17073.87	14739.66	1779.80	41260
541262	17170.37	14745.29	1781.01	41262
541263	17217.01	14748.66	1781.05	41263
541264	17265.45	14751.07	1781.20	41264
541265	17313.07	14754.02	1780.73	41265
541266	17360.31	14756.13	1779.04	41266
541267	17378.79	14758.16	1778.06	41267
541275	17148.44	14698.04	1781.35	41275
541276	17102.59	14696.12	1780.82	41276
541277	17080.05	14694.84	1780.73	41277
541280	17084.73	14651.22	1781.14	41280
541281	17129.46	14653.19	1781.49	41281
541282	17177.79	14655.61	1781.74	41282
541283	17224.78	14658.97	1782.03	41283
541284	17270.99	14661.33	1781.87	41284
541285	17318.27	14663.29	1780.93	41285
541286	17365.09	14667.07	1779.08	41286
541287	17384.11	14669.00	1778.13	41287
541290	17387.34	14624.10	1777.93	41290
541291	17343.33	14621.02	1779.85	41291
541292	17295.62	14618.87	1781.41	41292
541293	17248.17	14615.42	1782.38	41293
541294	17201.99	14613.06	1782.74	41294
541295	17157.90	14609.94	1782.47	41295
541296	17112.59	14606.79	1782.44	41296
541297	17089.43	14605.88	1782.45	41297
541299	17086.70	14561.30	1783.50	41299
541300	17093.45	14562.17	1783.62	41300
541301	17136.08	14564.81	1783.19	41301
541302	17185.04	14567.67	1783.38	41302

Point No.	Northing	Easting	Elevation	Description
541303	17232.74	14570.89	1783.03	41303
541304	17278.28	14573.36	1781.83	41304
541305	17325.27	14576.48	1780.13	41305
541307	17389.78	14578.60	1777.55	41307
541310	17393.31	14534.28	1777.06	41310
541311	17350.16	14531.26	1778.07	41311
541312	17303.00	14529.19	1779.83	41312
541313	17255.42	14526.09	1781.89	41313
541314	17206.50	14523.63	1783.42	41314
541315	17160.51	14521.06	1783.65	41315
541316	17114.28	14517.65	1783.84	41316
541317	17097.00	14515.92	1783.84	41317
541320	17120.70	14479.11	1783.84	41320
541325	17352.23	14489.29	1776.72	41325
541340	17372.56	14400.55	1773.20	41340
541342	17389.13	14324.62	1769.30	41342
541345	17321.44	14420.61	1773.91	41345
541348	17276.21	14417.78	1774.68	41348
541349	17286.03	14374.54	1771.86	41349
541351	17249.43	14333.80	1770.00	41351
541352	17238.72	14379.58	1772.80	41352
541353	17228.09	14426.41	1777.14	41353
541354	17220.44	14464.71	1780.49	41354
541355	17172.91	14465.94	1782.24	41355
541356	17180.61	14427.53	1779.18	41356
541357	17190.78	14386.26	1774.46	41357
541359	17158.59	14340.06	1771.13	41359
541361	17147.97	14432.75	1780.86	41361
541363	17121.28	14451.08	1782.80	41363
541373	17154.09	14485.70	1783.55	41373
541377	17179.06	14487.36	1783.02	41377
541384	17224.74	14490.21	1781.81	41384
541393	17140.41	14400.45	1777.20	41393
541394	17270.26	14492.62	1779.94	41394
541400	17302.80	14494.30	1778.36	41400
541403	17318.10	14495.25	1777.67	41403
541414	17405.72	14400.81	1774.43	41414
560027	17388.50	14949.44	1771.12	60027
560028	17347.37	14927.74	1774.87	60028
560044	17276.56	14954.46	1776.41	60044

Point No.	Northing	Easting	Elevation	Description
560050	17323.83	14965.71	1773.76	60050
560052	17304.69	14930.54	1776.66	60052
560054	17373.49	14966.68	1770.42	60054
560055	17252.74	14896.79	1778.77	60055
560064	17222.16	14938.00	1778.29	60064
560076	17180.51	14935.44	1778.74	60076
560086	17194.19	14893.11	1779.80	60086
560095	17146.90	14928.28	1779.24	60095
560100	17124.46	14944.48	1778.22	60100
560109	17076.12	14941.49	1776.90	60109
560116	17038.81	14935.68	1775.63	60116
560122	17040.39	14910.64	1775.67	60122
560141	17041.74	14883.92	1775.87	60141
560145	17009.90	14889.15	1774.52	60145
560154	17040.32	14839.08	1776.29	60154
560227	17089.32	14539.79	1783.74	60227
560242	17095.15	14472.75	1783.06	60242
560243	17104.75	14463.07	1783.27	60243
560250	17096.73	14449.17	1781.45	60250
560251	17097.83	14428.18	1778.88	60251
560255	17078.91	14414.82	1774.52	60255
560256	17075.07	14436.91	1775.50	60256
560262	17085.08	14459.81	1779.58	60262
560263	17071.00	14459.13	1775.59	60263
560266	17077.69	14504.59	1780.22	60266
560267	17089.97	14505.71	1783.06	60267
560270	17080.18	14549.72	1782.50	60270
560271	17072.67	14549.21	1780.74	60271
560274	17066.83	14593.48	1780.28	60274
560275	17077.60	14594.49	1782.31	60275
560276	17083.30	14595.03	1782.79	60276
560278	17069.02	14638.73	1780.71	60278
560279	17059.41	14637.95	1778.94	60279
560280	17043.91	14636.88	1775.48	60280
560283	17038.13	14681.29	1775.65	60283
560284	17059.83	14682.81	1779.25	60284
560285	17068.99	14683.61	1780.25	60285
560287	17065.19	14727.60	1779.73	60287
560288	17056.40	14727.07	1779.16	60288
560290	17025.78	14725.54	1775.23	60290

Point No.	Northing	Easting	Elevation	Description
560291	17016.70	14770.22	1775.07	60291
560292	17044.66	14772.10	1777.36	60292
560293	17061.61	14772.61	1778.64	60293
560295	17019.12	14815.03	1775.18	60295
560296	17013.08	14859.64	1774.53	60296
580001	16997.41	14900.11	1774.31	80001
580002	16999.40	14853.65	1773.96	80002
580003	17001.77	14821.95	1774.04	80003
580004	17003.44	14779.87	1774.26	80004
580005	17006.03	14713.71	1773.51	80005
580006	17022.19	14665.68	1773.38	80006
580007	17035.35	14631.84	1774.00	80007
580008	17057.22	14593.10	1777.99	80008
580009	17062.45	14548.40	1778.00	80009
580010	17058.67	14511.96	1775.84	80010
580011	17048.88	14425.60	1770.14	80011
580012	17058.41	14429.68	1773.23	80012
580013	17071.94	14397.56	1772.81	80013
580014	17085.40	14377.89	1772.22	80014
580015	17111.42	14343.97	1771.28	80015
580017	17143.16	14299.36	1769.24	80017
580018	17182.05	14290.77	1768.94	80018
580019	17245.14	14277.86	1768.53	80019
580020	17321.19	14261.75	1768.28	80020
580021	17380.16	14249.39	1767.91	80021
580022	17419.03	14242.20	1767.71	80022
580023	17440.69	14237.49	1767.75	80023
580024	17452.13	14236.15	1767.63	80024
580025	17475.92	14238.49	1767.53	80025
580026	17495.40	14245.87	1767.49	80026
580027	17512.67	14257.00	1767.19	80027
580028	17530.51	14275.53	1766.49	80028
580029	17539.10	14297.47	1766.46	80029
580030	17540.60	14316.29	1766.35	80030
580031	17537.82	14341.55	1766.18	80031
580032	17521.44	14391.03	1765.91	80032
580033	17502.19	14452.09	1765.79	80033
580034	17487.24	14490.78	1766.68	80034
580035	17484.02	14557.65	1766.11	80035
580036	17478.62	14607.98	1766.85	80036

Point No.	Northing	Easting	Elevation	Description
580037	17474.36	14657.39	1766.96	80037
580038	17472.61	14707.16	1766.31	80038
580039	17468.07	14757.38	1766.58	80039
580040	17466.90	14807.34	1765.93	80040
580041	17466.33	14857.38	1764.95	80041
580042	17462.78	14907.42	1764.76	80042
580043	17458.59	14955.51	1764.98	80043
580044	17455.55	14987.94	1764.84	80044
580045	17056.63	14415.12	1772.72	80045
580046	16989.64	14949.35	1772.57	80046
580047	16990.25	14899.59	1772.09	80047
580048	16992.74	14853.29	1772.01	80048
580049	16994.11	14821.20	1772.07	80049
580050	16995.83	14779.59	1771.97	80050
580051	16998.88	14711.98	1771.33	80051
580052	17014.20	14662.87	1771.01	80052
580053	17025.67	14625.87	1770.97	80053
580054	17034.72	14597.88	1771.13	80054
580055	17039.22	14544.60	1770.77	80055
580056	17042.43	14502.22	1770.58	80056
580057	17045.70	14463.84	1770.09	80057
580058	17057.72	14464.82	1773.34	80011
580059	17048.23	14412.13	1769.93	80059
580060	17062.72	14391.44	1770.44	80060
580061	17076.27	14370.56	1769.51	80061
580062	17104.10	14337.76	1768.62	80062
580063	17127.05	14309.91	1767.61	80063
5200110	17480.90	14287.71	1768.19	200110
56060001	17432.95	14285.12	1768.54	6060001
560500069	17469.37	14275.77	1768.10	60500069
560500074	17186.33	14303.23	1769.16	60500074
560500075	17249.52	14303.33	1769.11	60500075
560500076	17329.18	14303.87	1769.02	60500076
560500079	17362.20	14303.23	1769.06	60500079

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
20023	520023	17449.434	14957.988	1766.5735	1766.608	0.23	-0.02	-0.03	As-Built
20024	520024	17434.73	14957.805	1767.8725	1767.907	-0.37	-0.07	-0.03	As-Built
20025	520025	17396.376	14927.409	1772.6095	1772.636	-0.21	-0.23	-0.03	As-Built
20027	520027	17449.658	14906.633	1767.1445	1767.193	-0.68	-0.02	-0.05	As-Built
20028	520028	17415.935	14904.005	1771.7105	1771.778	-0.33	-0.04	-0.07	As-Built
20029	520029	17396.937	14903.311	1774.1325	1774.11	0.73	-0.02	0.02	As-Built
20030	520030	17391.283	14855.648	1776.5305	1776.534	0.09	0.30	0.00	As-Built
20031	520031	17415.18	14855.974	1773.6065	1773.594	-0.14	0.07	0.01	As-Built
20032	520032	17439.997	14855.968	1769.7845	1769.789	0.30	-0.07	0.00	As-Built
20035	520035	17446.825	14805.386	1769.5645	1769.615	0.22	-0.13	-0.05	As-Built
20036	520036	17419.802	14805.041	1773.7915	1773.84	0.07	0.25	-0.05	As-Built
20037	520037	17399.941	14804.651	1776.5625	1776.561	0.42	0.12	0.00	As-Built
20039	520039	17451.54	14756.234	1769.4065	1769.447	-0.49	0.00	-0.04	As-Built
20040	520040	17423.585	14754.296	1773.6785	1773.76	-0.33	-0.01	-0.08	As-Built
20041	520041	17399.524	14753.498	1776.5885	1776.666	-0.19	0.34	-0.08	As-Built
20043	520043	17457.259	14706.671	1769.1775	1769.178	-0.25	0.06	0.00	As-Built
20044	520044	17435.23	14705.792	1772.8455	1772.806	-0.02	0.00	0.04	As-Built
20045	520045	17414.615	14704.089	1775.5725	1775.536	-0.01	0.20	0.04	As-Built
20048	520048	17421.466	14651.924	1775.2925	1775.296	-0.35	0.02	0.00	As-Built
20049	520049	17448.936	14655.579	1771.3485	1771.385	-0.42	-0.24	-0.04	As-Built
20050	520050	17463.069	14656.676	1769.1915	1769.194	-0.47	-0.78	0.00	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
20053	520053	17464.703	14607.006	1769.3955	1769.464	-0.16	-0.15	-0.07	As-Built
20054	520054	17433.286	14605.865	1773.7685	1773.744	-0.34	0.06	0.02	As-Built
20057	520057	17443.702	14555.078	1772.2965	1772.349	-0.54	0.02	-0.05	As-Built
20058	520058	17462.102	14555.993	1770.2255	1770.227	-0.41	-0.21	0.00	As-Built
20061	520061	17470.555	14484.224	1768.7985	1768.8	-0.61	0.19	0.00	As-Built
20062	520062	17448.037	14479.625	1770.8665	1770.929	-0.42	0.07	-0.06	As-Built
20065	520065	17461.234	14440.01	1769.7225	1769.788	-0.64	0.20	-0.07	As-Built
20066	520066	17486.733	14447.766	1767.5565	1767.6	-0.24	0.09	-0.04	As-Built
20069	520069	17495.215	14382.648	1768.0605	1768.126	-0.26	0.14	-0.07	As-Built
20070	520070	17469.732	14374.802	1769.6865	1769.753	-0.30	0.27	-0.07	As-Built
20071	520071	17485.234	14327.299	1768.4435	1768.402	-0.08	-0.29	0.04	As-Built
20072	520072	17509.206	14334.073	1767.6725	1767.66	0.00	-0.01	0.01	As-Built
20076	520076	17489.105	14318.103	1768.3205	1768.372	-0.02	0.28	-0.05	As-Built
20079	520079	17486.891	14300.342	1768.1805	1768.264	-0.29	-0.20	-0.08	As-Built
20080	520080	17137.596	14319.014	1770.0915	1770.156	-0.16	-0.11	-0.06	As-Built
41030	541030	17093.113	14819.757	1779.064	1779.033	-0.08	0.07	0.03	As-Built
41047	541047	17356.323	14800.996	1778.869	1778.929	-0.01	0.17	-0.06	As-Built
41082	541082	17395.775	14499.76	1776.327	1776.385	0.09	0.12	-0.06	As-Built
41091	541091	17448.294	14378.492	1771.445	1771.504	-0.34	-0.28	-0.06	As-Built
41092	541092	17450.413	14318.296	1768.973	1768.939	-0.28	0.29	0.03	As-Built
41093	541093	17423.119	14322.688	1769.181	1769.26	-0.03	0.27	-0.08	As-Built
41097	541097	17330.588	14326.538	1769.493	1769.566	0.43	0.27	-0.07	As-Built
41103	541103	17190.193	14337.54	1770.249	1770.345	0.18	0.05	-0.10	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
41106	541106	17144.549	14348.779	1772.011	1772.066	0.15	-0.28	-0.06	As-Built
41108	541108	17111.753	14380.523	1774.143	1774.213	0.13	0.13	-0.07	As-Built
41134	541134	17092.978	14739.592	1780.103	1780.084	0.19	-0.19	0.02	As-Built
41137	541137	17110.516	14652.404	1781.349	1781.302	-0.27	-0.29	0.05	As-Built
41141	541141	17113.729	14562.602	1783.367	1783.402	0.10	-0.01	-0.04	As-Built
41153	541153	17265.588	14467.334	1778.533	1778.568	-0.22	0.44	-0.04	As-Built
41155	541155	17309.101	14475.704	1776.843	1776.917	-0.54	-0.39	-0.07	As-Built
41157	541157	17354.925	14477.621	1776.135	1776.204	-0.26	-0.09	-0.07	As-Built
41163	541163	17367.437	14579.654	1778.431	1778.519	-0.23	0.03	-0.09	As-Built
41231	541231	17320.232	14886.965	1777.603	1777.633	-0.40	0.02	-0.03	As-Built
41232	541232	17272.521	14884.028	1778.826	1778.889	0.21	0.20	-0.06	As-Built
41233	541233	17225.355	14881.584	1779.475	1779.53	0.10	0.38	-0.06	As-Built
41235	541235	17135.195	14876.16	1779.795	1779.86	-0.06	-0.19	-0.06	As-Built
41236	541236	17084.873	14873.104	1778.21	1778.279	-0.13	-0.16	-0.07	As-Built
41240	541240	17063.443	14829.118	1777.914	1777.987	-0.27	-0.12	-0.07	As-Built
41241	541241	17110.809	14831.662	1779.349	1779.374	0.41	-0.16	-0.03	As-Built
41242	541242	17159.023	14834.878	1780.019	1780.072	0.15	-0.04	-0.05	As-Built
41243	541243	17209.566	14838.491	1780.12	1780.15	0.07	-0.03	-0.03	As-Built
41244	541244	17258.094	14841.895	1780.15	1780.194	-0.05	0.22	-0.04	As-Built
41245	541245	17305.839	14843.378	1779.393	1779.471	-0.22	0.02	-0.08	As-Built
41247	541247	17372.889	14847.478	1777.67	1777.755	-0.31	0.31	-0.09	As-Built
41250	541250	17376.079	14802.005	1778.196	1778.289	-0.05	-0.01	-0.09	As-Built
41251	541251	17331.409	14800.01	1779.721	1779.781	-0.11	-0.06	-0.06	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
41252	541252	17282.458	14796.534	1780.584	1780.645	-0.27	0.44	-0.06	As-Built
41253	541253	17237.084	14793.564	1780.625	1780.716	0.17	0.21	-0.09	As-Built
41254	541254	17191.033	14790.942	1780.52	1780.542	0.07	0.01	-0.02	As-Built
41255	541255	17145.04	14788.465	1780.46	1780.429	0.02	0.03	0.03	As-Built
41256	541256	17098.377	14785.853	1779.594	1779.61	0.05	-0.18	-0.02	As-Built
41257	541257	17069.08	14784.109	1778.734	1778.753	-0.01	-0.26	-0.02	As-Built
41260	541260	17074.017	14739.719	1779.737	1779.804	0.15	0.06	-0.07	As-Built
41262	541262	17170.198	14745.406	1780.946	1781.007	-0.17	0.12	-0.06	As-Built
41263	541263	17217.261	14748.564	1780.975	1781.047	0.25	-0.09	-0.07	As-Built
41264	541264	17265.417	14750.947	1781.127	1781.195	-0.03	-0.13	-0.07	As-Built
41265	541265	17312.866	14753.972	1780.726	1780.734	-0.21	-0.05	-0.01	As-Built
41266	541266	17360.232	14756.112	1779.009	1779.042	-0.08	-0.02	-0.03	As-Built
41267	541267	17378.607	14757.935	1778.003	1778.059	-0.19	-0.22	-0.06	As-Built
41275	541275	17148.435	14698.177	1781.276	1781.348	0.00	0.14	-0.07	As-Built
41276	541276	17102.635	14695.911	1780.807	1780.822	0.04	-0.20	-0.01	As-Built
41277	541277	17079.811	14694.665	1780.65	1780.732	-0.24	-0.18	-0.08	As-Built
41280	541280	17084.708	14651.061	1781.061	1781.137	-0.02	-0.16	-0.08	As-Built
41281	541281	17129.493	14653.062	1781.472	1781.494	0.03	-0.13	-0.02	As-Built
41282	541282	17177.524	14655.645	1781.73	1781.741	-0.26	0.03	-0.01	As-Built
41283	541283	17224.696	14658.832	1781.97	1782.031	-0.08	-0.14	-0.06	As-Built
41284	541284	17271.059	14661.199	1781.829	1781.87	0.07	-0.13	-0.04	As-Built
41285	541285	17318.068	14663.394	1780.886	1780.932	-0.20	0.10	-0.05	As-Built
41286	541286	17364.901	14666.981	1779.012	1779.084	-0.18	-0.09	-0.07	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
41287	541287	17384.018	14668.896	1778.073	1778.128	-0.09	-0.10	-0.05	As-Built
41290	541290	17386.913	14623.952	1777.833	1777.927	-0.43	-0.14	-0.09	As-Built
41291	541291	17343.322	14620.727	1779.827	1779.853	-0.01	-0.29	-0.03	As-Built
41292	541292	17295.443	14618.594	1781.387	1781.41	-0.18	-0.27	-0.02	As-Built
41293	541293	17248.057	14615.346	1782.307	1782.38	-0.11	-0.07	-0.07	As-Built
41294	541294	17201.981	14612.701	1782.698	1782.735	0.00	-0.36	-0.04	As-Built
41295	541295	17157.85	14609.769	1782.374	1782.468	-0.05	-0.17	-0.09	As-Built
41296	541296	17112.46	14606.751	1782.444	1782.442	-0.13	-0.04	0.00	As-Built
41297	541297	17089.544	14605.804	1782.434	1782.453	0.12	-0.07	-0.02	As-Built
41299	541299	17087.191	14561.519	1783.596	1783.504	0.49	0.22	0.09	As-Built
41300	541300	17093.758	14562.365	1783.572	1783.62	0.31	0.20	-0.05	As-Built
41301	541301	17136.319	14565.122	1783.102	1783.187	0.24	0.31	-0.08	As-Built
41302	541302	17185.15	14567.728	1783.336	1783.38	0.11	0.06	-0.04	As-Built
41303	541303	17232.313	14571.03	1782.973	1783.032	-0.43	0.14	-0.06	As-Built
41304	541304	17277.456	14573.369	1781.746	1781.828	-0.83	0.01	-0.08	As-Built
41305	541305	17325.678	14576.067	1780.044	1780.132	0.40	-0.41	-0.09	As-Built
41307	541307	17389.709	14578.7	1777.492	1777.553	-0.07	0.10	-0.06	As-Built
41310	541310	17393.249	14534.233	1777.039	1777.056	-0.06	-0.04	-0.02	As-Built
41311	541311	17349.948	14531.414	1778.023	1778.065	-0.22	0.16	-0.04	As-Built
41312	541312	17303.093	14528.899	1779.735	1779.829	0.10	-0.29	-0.09	As-Built
41313	541313	17255.124	14526.177	1781.848	1781.894	-0.30	0.09	-0.05	As-Built
41314	541314	17206.68	14523.612	1783.391	1783.417	0.18	-0.01	-0.03	As-Built
41315	541315	17160.498	14520.915	1783.64	1783.65	-0.01	-0.15	-0.01	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
41316	541316	17114.42	14517.812	1783.846	1783.844	0.14	0.16	0.00	As-Built
41317	541317	17097.258	14516.07	1783.79	1783.84	0.26	0.15	-0.05	As-Built
41320	541320	17120.633	14479.37	1783.864	1783.842	-0.07	0.26	0.02	As-Built
41325	541325	17351.985	14489.52	1776.666	1776.717	-0.24	0.23	-0.05	As-Built
41340	541340	17372.289	14401.171	1773.147	1773.201	-0.27	0.63	-0.05	As-Built
41342	541342	17388.641	14324.744	1769.23	1769.299	-0.49	0.12	-0.07	As-Built
41345	541345	17321.066	14420.601	1773.841	1773.912	-0.38	-0.01	-0.07	As-Built
41348	541348	17275.999	14418.18	1774.641	1774.681	-0.21	0.41	-0.04	As-Built
41349	541349	17285.897	14374.725	1771.792	1771.858	-0.13	0.18	-0.07	As-Built
41351	541351	17249.576	14333.763	1769.947	1769.997	0.15	-0.04	-0.05	As-Built
41352	541352	17238.554	14379.715	1772.72	1772.795	-0.16	0.13	-0.08	As-Built
41353	541353	17228.192	14426.437	1777.047	1777.137	0.10	0.03	-0.09	As-Built
41354	541354	17220.423	14464.879	1780.45	1780.486	-0.01	0.17	-0.04	As-Built
41355	541355	17173.207	14465.955	1782.205	1782.237	0.30	0.01	-0.03	As-Built
41356	541356	17180.498	14427.564	1779.142	1779.178	-0.12	0.04	-0.04	As-Built
41357	541357	17190.857	14386.815	1774.394	1774.462	0.08	0.55	-0.07	As-Built
41359	541359	17158.39	14340.077	1771.114	1771.133	-0.20	0.02	-0.02	As-Built
41361	541361	17148.136	14432.621	1780.774	1780.858	0.17	-0.13	-0.08	As-Built
41363	541363	17121.208	14451.312	1782.753	1782.802	-0.07	0.23	-0.05	As-Built
41373	541373	17153.874	14485.87	1783.472	1783.554	-0.21	0.17	-0.08	As-Built
41377	541377	17179.192	14487.39	1783.027	1783.022	0.13	0.03	0.01	As-Built
41384	541384	17224.719	14490.128	1781.737	1781.805	-0.02	-0.08	-0.07	As-Built
41393	541393	17140.371	14400.766	1777.121	1777.197	-0.04	0.31	-0.08	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
41394	541394	17269.965	14492.795	1779.918	1779.935	-0.30	0.18	-0.02	As-Built
41400	541400	17302.333	14494.617	1778.284	1778.355	-0.47	0.32	-0.07	As-Built
41403	541403	17317.754	14495.436	1777.612	1777.67	-0.34	0.19	-0.06	As-Built
41414	541414	17406.035	14401.191	1774.454	1774.427	0.32	0.39	0.03	As-Built
60027	560027	17388.223	14949.106	1771.081	1771.124	-0.27	-0.33	-0.04	As-Built
60028	560028	17347.437	14927.689	1774.827	1774.865	0.06	-0.05	-0.04	As-Built
60044	560044	17276.454	14954.325	1776.343	1776.408	-0.10	-0.13	-0.06	As-Built
60050	560050	17323.861	14965.97	1773.673	1773.762	0.03	0.26	-0.09	As-Built
60052	560052	17304.361	14930.402	1776.641	1776.66	-0.33	-0.14	-0.02	As-Built
60054	560054	17373.264	14966.722	1770.365	1770.419	-0.23	0.04	-0.05	As-Built
60055	560055	17252.43	14896.764	1778.724	1778.768	-0.31	-0.02	-0.04	As-Built
60064	560064	17222.32	14938.112	1778.224	1778.285	0.16	0.11	-0.06	As-Built
60076	560076	17180.59	14935.488	1778.738	1778.737	0.08	0.05	0.00	As-Built
60086	560086	17194.186	14893.195	1779.731	1779.803	0.00	0.09	-0.07	As-Built
60095	560095	17147.272	14927.919	1779.214	1779.243	0.37	-0.36	-0.03	As-Built
60100	560100	17124.646	14944.392	1778.137	1778.219	0.19	-0.09	-0.08	As-Built
60109	560109	17076.068	14941.045	1776.821	1776.901	-0.06	-0.45	-0.08	As-Built
60116	560116	17038.77	14935.747	1775.564	1775.63	-0.04	0.07	-0.07	As-Built
60122	560122	17040.511	14910.387	1775.672	1775.671	0.12	-0.26	0.00	As-Built
60141	560141	17041.449	14883.801	1775.783	1775.87	-0.29	-0.12	-0.09	As-Built
60145	560145	17009.417	14889.056	1774.456	1774.523	-0.48	-0.10	-0.07	As-Built
60154	560154	17040.285	14838.743	1776.287	1776.293	-0.03	-0.34	-0.01	As-Built
60227	560227	17090.085	14539.779	1783.69	1783.743	0.76	-0.01	-0.05	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
60242	560242	17094.933	14472.957	1783.101	1783.055	-0.22	0.20	0.05	As-Built
60243	560243	17104.603	14462.965	1783.322	1783.269	-0.15	-0.10	0.05	As-Built
60250	560250	17096.438	14449.288	1781.534	1781.447	-0.30	0.12	0.09	As-Built
60251	560251	17097.815	14428.187	1778.83	1778.882	-0.01	0.01	-0.05	As-Built
60255	560255	17079.373	14414.742	1774.451	1774.52	0.47	-0.08	-0.07	As-Built
60256	560256	17075.399	14436.943	1775.423	1775.504	0.33	0.03	-0.08	As-Built
60262	560262	17084.743	14460.226	1779.553	1779.577	-0.34	0.41	-0.02	As-Built
60263	560263	17071.33	14459.173	1775.51	1775.587	0.33	0.05	-0.08	As-Built
60266	560266	17077.931	14504.557	1780.217	1780.221	0.24	-0.03	0.00	As-Built
60267	560267	17090.226	14505.566	1783.02	1783.057	0.25	-0.14	-0.04	As-Built
60270	560270	17080.714	14549.601	1782.494	1782.504	0.54	-0.11	-0.01	As-Built
60271	560271	17073.326	14549.152	1780.672	1780.738	0.66	-0.06	-0.07	As-Built
60274	560274	17067.272	14593.703	1780.251	1780.282	0.44	0.22	-0.03	As-Built
60275	560275	17077.668	14594.608	1782.248	1782.31	0.07	0.12	-0.06	As-Built
60276	560276	17083.422	14594.844	1782.772	1782.79	0.13	-0.18	-0.02	As-Built
60278	560278	17068.921	14638.632	1780.638	1780.706	-0.10	-0.10	-0.07	As-Built
60279	560279	17059.783	14638.025	1778.937	1778.939	0.37	0.08	0.00	As-Built
60280	560280	17044.01	14636.996	1775.39	1775.476	0.10	0.12	-0.09	As-Built
60283	560283	17038.756	14681.213	1775.595	1775.652	0.62	-0.08	-0.06	As-Built
60284	560284	17059.607	14682.608	1779.238	1779.246	-0.22	-0.20	-0.01	As-Built
60285	560285	17069.062	14683.222	1780.252	1780.245	0.07	-0.39	0.01	As-Built
60287	560287	17064.935	14727.481	1779.808	1779.73	-0.25	-0.12	0.08	As-Built
60288	560288	17056.554	14726.975	1779.171	1779.16	0.15	-0.09	0.01	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
60290	560290	17026.535	14725.542	1775.165	1775.227	0.76	0.00	-0.06	As-Built
60291	560291	17016.797	14770.182	1775.068	1775.067	0.10	-0.04	0.00	As-Built
60292	560292	17044.437	14771.555	1777.436	1777.359	-0.22	-0.55	0.08	As-Built
60293	560293	17061.643	14772.436	1778.648	1778.636	0.03	-0.18	0.01	As-Built
60295	560295	17019.354	14814.974	1775.187	1775.18	0.24	-0.06	0.01	As-Built
60296	560296	17012.964	14859.781	1774.449	1774.525	-0.12	0.14	-0.08	As-Built
80001	580001	16997.4474	14899.9078	1774.2577	1774.307	0.03	-0.20	-0.05	As-Built
80002	580002	16999.7161	14853.6306	1773.9046	1773.961	0.32	-0.01	-0.06	As-Built
80003	580003	17001.8754	14821.5983	1773.9961	1774.043	0.11	-0.35	-0.05	As-Built
80004	580004	17003.726	14779.9766	1774.1708	1774.26	0.29	0.10	-0.09	As-Built
80005	580005	17006.4051	14713.8508	1773.4663	1773.514	0.38	0.14	-0.05	As-Built
80006	580006	17022.4278	14665.6009	1773.3257	1773.376	0.24	-0.08	-0.05	As-Built
80007	580007	17035.8707	14632.0392	1773.9614	1774	0.52	0.20	-0.04	As-Built
80008	580008	17058.0536	14593.1078	1777.9212	1777.987	0.84	0.01	-0.07	As-Built
80009	580009	17062.92	14548.361	1777.9388	1777.997	0.47	-0.04	-0.06	As-Built
80010	580010	17059.1629	14512.1387	1775.7551	1775.836	0.50	0.17	-0.08	As-Built
80011	580058	17057.6232	14464.9072	1773.2977	1773.338	-0.09	0.09	-0.04	As-Built
80012	580012	17058.8434	14429.7707	1773.1705	1773.229	0.44	0.09	-0.06	As-Built
80013	580013	17071.6238	14397.5858	1772.7385	1772.81	-0.31	0.02	-0.07	As-Built
80014	580014	17085.5384	14377.7696	1772.1576	1772.221	0.14	-0.12	-0.06	As-Built
80015	580015	17111.9918	14344.1136	1771.2565	1771.278	0.58	0.14	-0.02	As-Built
80017	580017	17143.1369	14299.5235	1769.1629	1769.236	-0.02	0.16	-0.07	As-Built
80018	580018	17182.0975	14290.9726	1768.8734	1768.941	0.05	0.20	-0.07	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
80019	580019	17245.3238	14277.611	1768.572	1768.528	0.19	-0.25	0.04	As-Built
80020	580020	17321.6847	14261.5349	1768.2327	1768.281	0.49	-0.21	-0.05	As-Built
80021	580021	17380.2781	14249.3254	1767.9471	1767.91	0.12	-0.06	0.04	As-Built
80022	580022	17418.9155	14241.3707	1767.7903	1767.711	-0.11	-0.83	0.08	As-Built
80023	580023	17440.5694	14237.0999	1767.7573	1767.753	-0.12	-0.39	0.00	As-Built
80024	580024	17452.0464	14235.6247	1767.6909	1767.625	-0.08	-0.53	0.07	As-Built
80025	580025	17475.8774	14237.8072	1767.5688	1767.529	-0.04	-0.68	0.04	As-Built
80026	580026	17495.4968	14245.3258	1767.5283	1767.485	0.10	-0.55	0.04	As-Built
80027	580027	17512.389	14256.5429	1767.2174	1767.19	-0.28	-0.46	0.03	As-Built
80028	580028	17530.0711	14275.1844	1766.4828	1766.486	-0.44	-0.35	0.00	As-Built
80029	580029	17539.0541	14297.3356	1766.3812	1766.459	-0.04	-0.13	-0.08	As-Built
80030	580030	17540.6619	14315.9233	1766.3113	1766.347	0.06	-0.36	-0.04	As-Built
80031	580031	17537.0321	14341.3634	1766.1522	1766.183	-0.79	-0.19	-0.03	As-Built
80032	580032	17521.9408	14390.8601	1765.8876	1765.91	0.50	-0.17	-0.02	As-Built
80033	580033	17502.706	14452.1689	1765.7882	1765.785	0.52	0.08	0.00	As-Built
80034	580034	17487.7292	14490.5055	1766.6818	1766.681	0.49	-0.28	0.00	As-Built
80035	580035	17484.5064	14557.5253	1766.1005	1766.11	0.49	-0.13	-0.01	As-Built
80036	580036	17478.6389	14607.7727	1766.8262	1766.853	0.02	-0.20	-0.03	As-Built
80037	580037	17474.5587	14657.3899	1766.973	1766.964	0.20	0.00	0.01	As-Built
80038	580038	17472.8794	14707.4417	1766.311	1766.313	0.27	0.28	0.00	As-Built
80039	580039	17468.4857	14757.4397	1766.5528	1766.58	0.42	0.06	-0.03	As-Built
80040	580040	17466.9124	14807.2856	1765.8605	1765.934	0.02	-0.05	-0.07	As-Built
80041	580041	17466.1832	14857.4704	1764.8794	1764.952	-0.15	0.09	-0.07	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
80042	580042	17463.162	14907.3089	1764.6687	1764.763	0.39	-0.11	-0.09	As-Built
80043	580043	17458.885	14955.3105	1764.9203	1764.977	0.29	-0.20	-0.06	As-Built
80044	580044	17456.4686	14987.9413	1764.9281	1764.838	0.92	0.00	0.09	As-Built
80045	580045	17057.1591	14415.1842	1772.6984	1772.716	0.53	0.07	-0.02	As-Built
80046	580046	16989.668	14949.227	1772.5614	1772.567	0.03	-0.12	-0.01	As-Built
80047	580047	16990.895	14899.652	1771.9498	1772.089	0.64	0.06	-0.14	As-Built
80048	580048	16992.73	14853.311	1771.8541	1772.005	-0.01	0.03	-0.15	As-Built
80049	580049	16994.197	14821.247	1771.9475	1772.071	0.08	0.05	-0.12	As-Built
80050	580050	16995.957	14779.662	1771.8776	1771.965	0.12	0.07	-0.09	As-Built
80051	580051	16998.878	14712.012	1771.2935	1771.327	-0.01	0.03	-0.03	As-Built
80052	580052	17014.2615	14662.9908	1770.9565	1771.005	0.06	0.12	-0.05	As-Built
80053	580053	17025.841	14625.931	1770.8091	1770.974	0.17	0.07	-0.16	As-Built
80054	580054	17034.748	14597.906	1770.9492	1771.134	0.03	0.03	-0.18	As-Built
80055	580055	17039.146	14544.6	1770.6478	1770.768	-0.07	0.00	-0.12	As-Built
80056	580056	17042.409	14502.389	1770.4569	1770.577	-0.02	0.17	-0.12	As-Built
80057	580057	17045.647	14463.953	1770.0736	1770.085	-0.06	0.11	-0.01	As-Built
80058	580011	17048.72	14425.385	1770.1462	1770.143	-0.16	-0.21	0.00	As-Built
80059	580059	17048.154	14412.256	1769.784	1769.931	-0.08	0.12	-0.15	As-Built
80060	580060	17062.5993	14391.4201	1770.3773	1770.441	-0.12	-0.02	-0.06	As-Built
80061	580061	17077.01	14370.634	1769.4569	1769.512	0.74	0.07	-0.06	As-Built
80062	580062	17104.419	14337.875	1768.6165	1768.624	0.32	0.12	-0.01	As-Built
80063	580063	17127.3458	14310.045	1767.5585	1767.607	0.30	0.14	-0.05	As-Built
200110	5200110	17480.886	14287.589	1768.1485	1768.189	-0.02	-0.12	-0.04	As-Built

CAMU (BMI South) - Final Coversoil System As-Built vs. Design Comparison

Design Point Number	As-Built Point Number	Design Northing	Design Easting	Design Elevation	As-built Elevation	Delta Northing	Delta Easting	Delta Elevation	Notes
6060001	56060001	17433.194	14284.997	1768.6275	1768.539	0.24	-0.12	0.09	As-Built
60500069	560500069	17469.267	14275.553	1768.0805	1768.1	-0.11	-0.22	-0.02	As-Built
60500074	560500074	17186.219	14303.237	1769.0805	1769.164	-0.11	0.01	-0.08	As-Built
60500075	560500075	17249.284	14303.297	1769.0675	1769.114	-0.23	-0.03	-0.05	As-Built
60500076	560500076	17329.239	14303.502	1769.0455	1769.024	0.06	-0.37	0.02	As-Built
60500079	560500079	17362.451	14303.052	1769.0935	1769.057	0.25	-0.18	0.04	As-Built

DRAWINGS

The following Measurement Drawings, Topographic Survey Drawings and/or Cross-Section Drawings are attached.

1. **BMI South Final Coversoil System As-Built, dated 5/24/2010.**

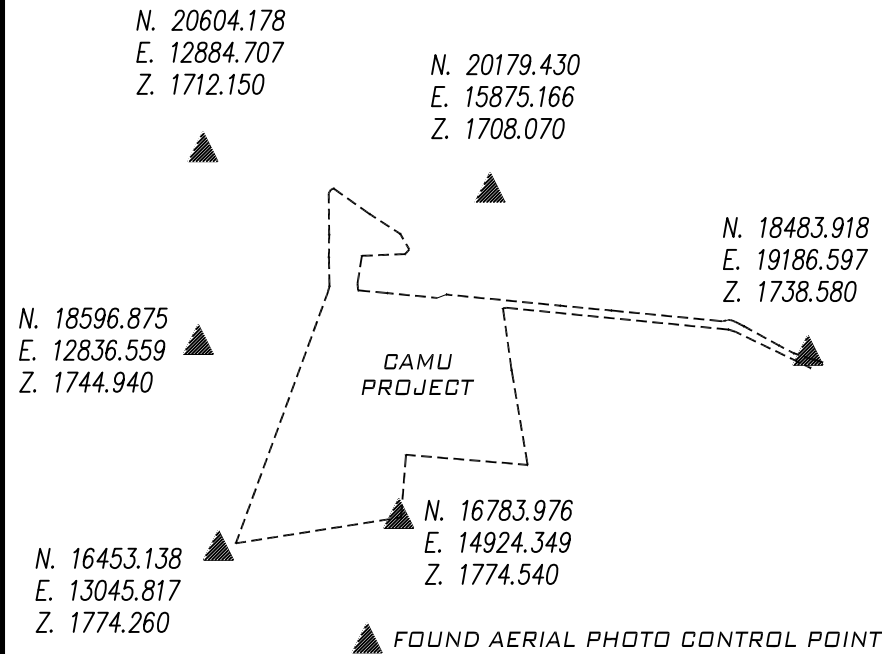
This drawing depicts the Final Coversoil System As-Built Conditions within the BMI South Area of the CAMU. It also contains information regarding the control network utilized and other pertinent survey data. Due to the scale at which this drawing was prepared, the intended correlation representation may not be entirely clear. In ALL cases the Survey Data herein provided takes precedence over any graphical representation(s).

2. **CAMU – BMI South – Final Cover soil Volume, dated 5/27/2010.**

This drawing depicts the Final Cover soil System As-Built Conditions (Surface 2) within the BMI South Area of the CAMU as of 5/13/2010 and the Final Sub-Grade As-Built surface (Surface 1) as reported by ABCS in that certain report prepared under Task No. 2010.03.29.01-B. A Volumetric comparison of these surfaces is also provided. Information regarding the control network utilized and other pertinent survey data are also provided. Due to the scale at which this drawing was prepared, the intended correlation representation may not be entirely clear. In ALL cases the Survey Data herein provided takes precedence over any graphical representation(s).

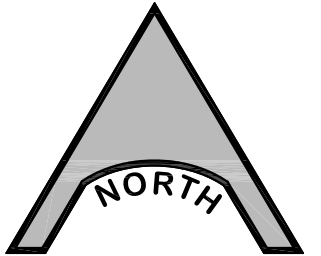
PROJECT CONTROL

1" = 2000'



SURFACE DESCRIPTION

THE SURFACE SHOWN HEREON REPRESENTS THE FINAL COVERSOIL AS-BUILT CONDITIONS PURSUANT TO THE RESPECTIVE FINAL COVERSOIL VERIFICATION. THIS SURFACE WAS GENERATED BASED UPON AS-BUILT SURVEY DATA ACQUIRED BY ABGS THRU 5/13/2010.



BENCHMARK

CLARK COUNTY BENCHMARK (6C22 2E4), BEING A RIVET AND SQUARE ALUMINUM PLATE IN A CONCRETE CENTERLINE ISLAND, 4' WEST OF THE NOSE IN THE MIDDLE OF SUNSET ROAD, WEST SIDE OF THE INTERSECTION OF BOULDER HIGHWAY AND SUNSET ROAD.

PUBLISHED ELEVATION - 505.816 METERS = 1659.50 FEET
NAVD 1988 DATUM - PUBLISHED (2003)

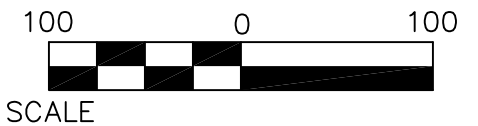
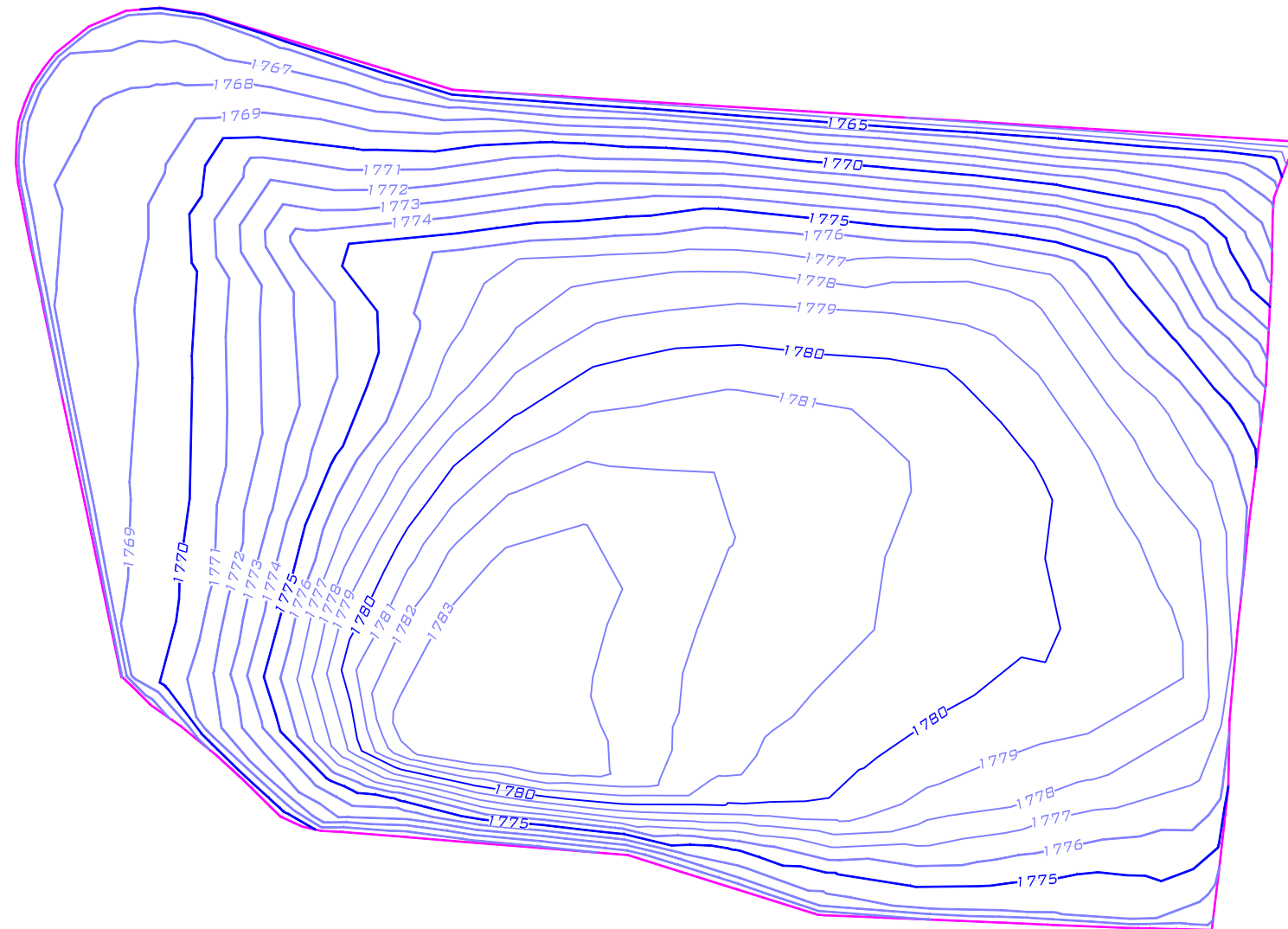
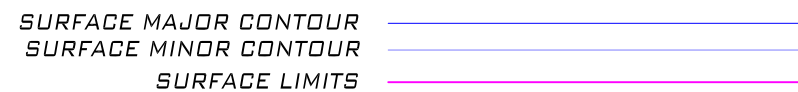
BASIS OF BEARINGS


SOUTH 85°36'52" WEST, BEING THE BEARING BETWEEN CLARK COUNTY GIS CONTROL POINTS "CC-GIS 848" AND CC-GIS W51", AS SHOWN ON THE MAP IN FILE 88 OF SURVEYS, PAGE 53, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

COORDINATE SYSTEM

THE COORDINATE SYSTEM AND ASSOCIATED BEARING ROTATION INFORMATION WAS ESTABLISHED AND PROVIDED BY PBS&J.

LINE LEGEND



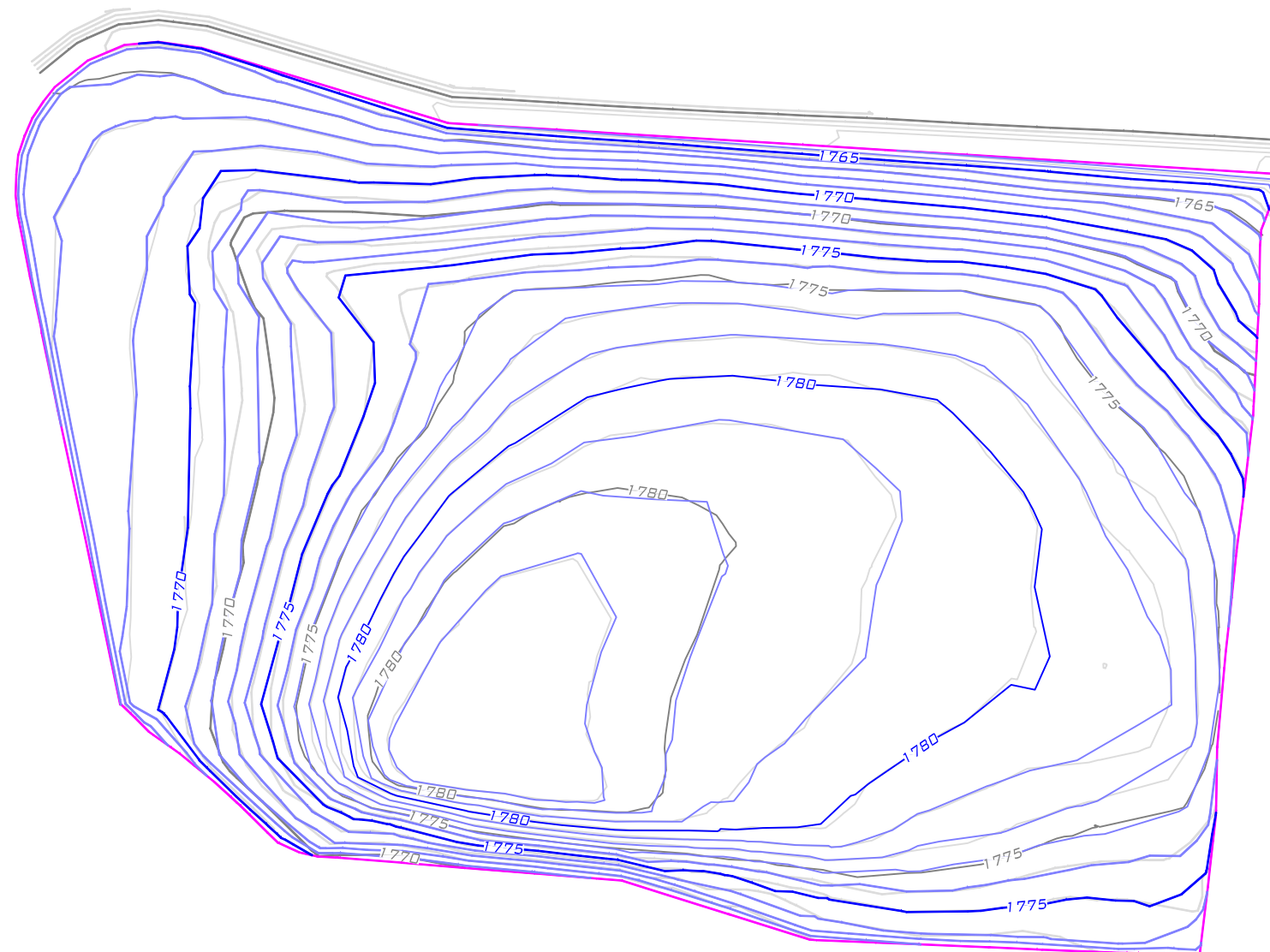
NO.	REVISION	DATE	CORRECTIVE ACTION MANAGEMENT UNIT - (CAMU)		 <div>ABSOLUTE BOUNDARY & CONTROL SOLUTIONS 6440 SKY POINT DRIVE SUITE 140 - PMB 321 LAS VEGAS, NV. 89131 (702) 953-7452 (702) 987-5943 FAX WWW.AB-CS.COM</div>	Date:	May 24, 2010
△			<i>BMI SOUTH FINAL COVERSOIL SYSTEM AS-BUILT</i>			Drawn:	C. Givant
△						Checked:	C. Givant
△						Task:	2010.04.21.01-B
△						FIELD SURVEY DATES: VARIOUS THRU 5/13/2010 FIELD CREW: C.A.G., M.C.	
△			PROJECT # 2008.06.23.01				

$$1'' = 2000'$$

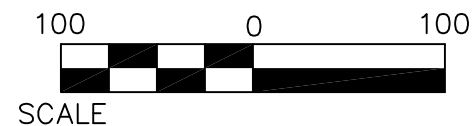
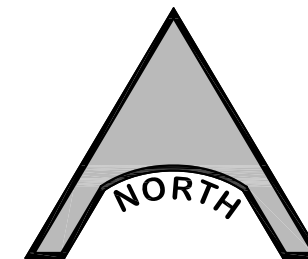
 FOUND AERIAL PHOTO CONTROL POINT

SURFACE 1 - MAJOR CONTOUR
SURFACE 1 - MINOR CONTOUR
SURFACE 2 - MAJOR CONTOUR
SURFACE 2 - MINOR CONTOUR
SURFACE 2 LIMITS

THE SURFACE SHOWN HEREON AS "SURFACE 2" REPRESENTS THE FINAL COVERSOIL AS-BUILT CONDITIONS PURSUANT TO THE RESPECTIVE FINAL COVERSOIL VERIFICATION. THIS SURFACE WAS GENERATED BASED UPON AS-BUILT SURVEY DATA ACQUIRED BY ABCS THRU 5/13/2010.



FILL: 24,023 CUBIC YARDS (INCLUDING GRAVEL MULCH)

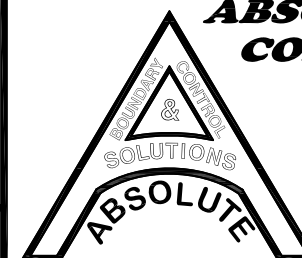


NO.	REVISION	DATE
△		
△		
△		
△		

*BMI SOUTH FINAL COVERSOIL
SYSTEM PLACEMENT VOLUME*

FIELD SURVEY DATES: VARIOUS THRU 5/13/2010
FIELD CREW: G.A.G., M.C.

PROJECT # 2008.06.23.01



6440 SKY POINT DRIVE
SUITE 140 - PMB 321
LAS VEGAS, NV. 89131
(702) 953-7452
(702) 987-5943 FAX
WWW.AB-CS.COM

Date: May 27, 2010
Drawn: C. Givant
Checked: C. Givant
Task: 2010.04.21.01-B

Sheet No. 1 of 1

ELECTRONIC FILES

The Compact Disk (CD) included in the pocket at the end of this report contains the following Directories and Files:

PDF Files (.pdf)

The following files are adobe Portable Document Files which can be viewed using a readily available free version of Adobe Acrobat Reader.

1. (Report) – BMI South - Final Coversoil System ASB
2. 2010-05-13 (BMI South CVR Verification)
3. 2010-5-12 (BMI-S Eastern Edge ASb Topo)

CAD Files (.dwg)

The following files are AutoCAD Drawing files created in Civil 3D 2011. Filenames proceeded by “2007” have been exported or “saved down” to a version 2007 drawing file.

1. 2010-05-24 (BMI South) - Final Coversoil ASB
2. 2010-05-24 (BMI South)- Final Coversoil ASB – 2007
3. 2010-05-27 (BMI South) - Final Coversoil Volume – 2007
4. 2010-05-27 (BMI South) - Final Coversoil Volume

Coordinate Files (.csv)

The following files are Comma Separated Value Files in the following format:

Point Name, Northing, Easting, Elevation, Description

1. BMI South FG ASB

Raw Data Files (.dc)

The following files are Trimble Data Collector (.DC) files that contain the Raw Field Data.

1. 2010-05-13 (BMI South CVR Verification) – CAG
2. 2010-5-12 (BMI-S Eastern Edge ASb Topo)-MC