PALOS VERDES LANDFILL
REMEDIAL INVESTIGATION REPORT

APPENDIX D.7

MASTER DATA FILE USED
IN MCS GEOLOGIC MODEL

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C*THIS IS THE DATA SET FOR MODELING PALOS VERDES LANDFILL GEOLOGY, 1994
C*111  4171400  4034460
C*222  4193610  4023510
C*333  4201120  4038950
C*444  4178870  4049740
C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
<ID ><    X  ><    Y  ><S>< Z1 >< Z2 >< Z3 >< Z4 >< Z5 >< Z6 >< Z7 >< Z8 >< Z9 >< TD >
 1111  4171400  4034460 20  1000  1300        2000  1500        -650
 2222  4193610  4023510 20   295  1300                          -400
 3333  4201120  4038950 20    40  1300                         -5900
 3444  4178870  4049740 20    86  1300                         -4650
C*THE FOLLOWING DATA ARE FROM THE ADDITIONAL REMEDIAL INVESTIGATION; DAMES & MOORE, 1/94.
  AB1  4182367  4037073  1   318         284                                        268
 AB1A  4182467  4037480  3   245         241   130                                  122
  AB2  4182329  4037996  3   205         176   141                                  121
  AB3  4183069  4036605  3   283         279                                        253
  AB4  4183346  4036426  3   265         263                                        235
  AB5  4183931  4035711  1   298         289                                        268
 AB5A  4183985  4035846  1   295         293         261                            260
  AB6  4183809  4034533  3   330         265                                        235
  AB7  4184754  4033823  3   302         286                                        251
  AB8  4183491  4037142  3   204         100                            43  -100    -14
  AB9  4183692  4037470  3   180         149                                        -27
C*THE FOLLOWING DATA ARE FROM THE HCP, PHASES I & II (HERZOG, 1990)
 RFB1  4181002  4036555  1   337         319                277                     162
 RFB2  4182113  4038305  1   202         176    53                                   45
 M50B  4182366  4038476  3   177          73                                        -28
 M51B  4182644  4037746  3   218         196   110    54                             10
 RFB6  4182576  4037284  1   263         249   178                                   89
 RFB7  4182817  4036847  1   298         285         245                              3
 RFB8  4183281  4037215  1   211         130    63                                   49
 RFB9  4183845  4037492  1   173         153                                        -42
RFB10  4183638  4036272  1   268         268                                        193
RFB11  4183961  4035808  1   298         280         271                            123
RFB12  4184527  4035672  1   238         240                                         65
 M52B  4185668  4036452  3   180          79                                        -35
RFB14  4185703  4035921  1   207         191                                        -18
RFB15  4185604  4035278  1   283         258         180                            181
 M53B  4184012  4034893  3   304         243         184                            -46
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C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
RFB17	4185123	4035958	1	196		172	63						50
RFB18	4181441	4038224	1	422			415						122
RFB19	4181486	4038184	1	419		430	403						168
M54B	4179894	4037829	3	278		268							188
M55B	4180009	4037243	3	302		299							260
RFB22	4180184	4036589	1	406		398							291
RFB23	4179089	4036229	1	499		496							404
M56B	4178935	4035110	3	518		508			428				358
M57B	4179263	4034362	3	501		481			457				342
M58B	4181352	4033194	3	425		413							353
M59B	4185102	4035364	3	284		260		209					184
RFB28	4181888	4032207	1	480		479							397
M60B	4182410	4032291	3	439		406							105
RFB30	4183110	4032338	1	390		388			209				187
M61B	4182790	4031858	3	437		393							304
RFB32	4184213	4032334	1	388		370		272					35
RFB40	4184672	4036762	1	189		184							12
L7	4179230	4037529	22	423		421			368				223
L8	4180813	4034194	22	427		425			450				251
L9	4185588	4033035	22	388		376	328						34
C*THE FOLLOWING DATA ARE FROM THE SWAT INVESTIGATION; KLEINFELDER, 1988.													
M23A	4182145	4037722	3	225		185							170
M24A	4182235	4037963	3	217		207							161
M25A	4182380	4037622	3	228		183							107
M26A	4182542	4038132	3	191		162							-44
M30B	4182782	4036652	3	321		306							198
M32B	4183423	4036005	3	306		288		255					258
M33B	4183434	4035995	3	308		290							215
M34B	4183904	4035517	3	330		307							282
M35B	4183911	4035512	3	330		327		240					212
M36A	4184804	4034958	3	252		232							211
M37A	4184533	4035187	3	262		232							206
M38A	4183785	4034447	3	341		256							245
M39A	4184400	4033756	3	345	295								268
M40A	4184435	4033113	3	337		307							285
M41A	4183224	4032662	3	355		333							314
M42A	4182774	4032898	3	411		396							329
M43A	4182195	4033899	3	380	323								275

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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
 M44A  4182864  4034188  3   364         279                                        269
 M45A  4181405  4034038  3   411         365                                        321
 M46A  4180783  4036093  3   367         287              350                       261
 M47B  4180678  4036694  3   381         375                                        232
 M48A  4180540  4037606  3   279         230                                        216
 M49A  4182098  4037500  3   239         187                                        178
C*THE FOLLOWING DATA ARE FROM THE SUBSURFACE BARRIER MONITORING WELLS
C*EARTH LOGICS, 12/1986.
 MO1B  4181795  4036957  3   282         215                                        184
 MO2B  4181850  4036996  3   278         206                                        175
 MO3B  4181913  4037049  3   273         203                                        173
 MO4B  4181964  4037099  3   270         210                                        180
 MO5B  4182019  4037163  3   265         203                                        175
 MO6B  4182083  4037235  3   257         202                                        172
 MO7B  4182144  4037278  3   256         201                                        171
C*THE FOLLOWING DATA ARE FROM THE PARCEL 4 MONITORING WELLS; HINKLE, 1984
 P4-6  4181738  4037031  3   279         233                                        209
 P4-7  4181870  4037139  3   268         208                                        188
 P4-8  4181929  4037207  3   262         212                                        192
 P4-9  4181998  4037321  3   252         196                                        162
 P410  4182014  4037399  3   245         194                                        165
 P411  4181952  4037459  3   242         178                                        148
 P412  4181892  4037529  3   244         206                                        175
C*PV-3, EARTH LOGICS, 1/10/1986, HOLLOW STEM AUGER
 PV-3  4182250  4037761  3   226         182        200                             131
C*OIL WELLS
C*SOUTHERN CALIFORNIA DRILLING CO.  BURKHARD NO. 1
BURK1  4194650  4027175  5   112          50  -388  -200  -500 -1263             -1328
C*TRADERS OIL CO. WESTON NO. 1
WEST1  4185355  4038225  5   130          80 -1670 -3570       -6300              -3262
C*PETROLEUM SECURITIES CO. WESTON NO. 1
 PSC1  4185000  4037300  5   160             -1143 -3500       -6200              -3096
C*PETROLEUM SECURITIES CO. NARBONNE NO. 1
NARB1  4190890  4033510  5   185               -74 -2824             -2324 -1400 -4278
C*PETROLEUM SECURITIES CO. PALOS VERDES NO. 1
PSPV1  4195480  4030700  5   220                                                  -2260
C*HARBOR CRUDE OIL CO.  WHEAT NO. 1
WHEAT  4184790  4036720  5   200              -550                                -3616
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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
C*A.T. JERGINS TRUST CO. PALOS VERDES NO. 1
TRUST  4185360  4033875  5   390   700   340   390  -573  -962 -1785            -2372
C*ROLLING HILLS PETROLEUM CO.  WESTON NO. 1
 RHP1  4185090  4036950  5   180                              -6120            -6400
C*REVO OIL CO KITA NO. 1
 KITA  4179010  4042900       70            -1770             -5520            -5252
C*HOMESTAKE PRODUCTION CO. CHANDLER 0-13
CH013  4188450  4033255  5   215   700   176  -115       -1106                 -1447
C*HOMESTAKE PRODUCTION CO. CHANDLER 0-3 PICKS BASED ON LOGS/WOODRING PICKS
CHA03  4188910  4032800  5   333   700   233   250       -1062       -6900 -4000 -1446
C*GENERAL PETROLEUM CO. TORINA NO. 1
TRINA  4197390  4040400  5    75                              -5805            -5875
C*PETROLEUM MIDWAY CO.  CAPITAL NO. 3
PMCAP  4199230  4038385  5    57                              -5903            -6015
C*GROUNDWATER PRODUCTION WELLS
 20G2  4176550  4044450  7    91         -45 -1700 -3920 -4250 -5580             -787
 20J   4177825  4042800  7    83         -42 -1700                               -660
 21L1  4180000  4043560  7    73        -132                                     -447
 21G1  4182000  4043460  7    71        -107                                     -168
 21N1  4180100  4042400  7   101           1 -1650                               -399
 22N1  4184490  4041400  7    79        -135 -1500                               -385
 22Q1  4188250  4041725  7    75             -1900 -3400 -3750 -5875             -251
 34K1  4187125  4032595  7   280         260    85              -1370               40
 35E6  4189160  4034400  7   178   600   170  -550 -1600 -2600
 35E7  4190150  4034275  7   185         115                                      -475
 21F1  4180590  4043625  7    72          34 -1900                                -140
 35F2  4191125  4033780  7   194         194  -478                                -501
 22E1  4183750  4040050  7    74         -66                                      -366
 27M1  4185200  4036175  7   180         170  -550                                -516
 28H1  4183410  4038925  7   147        -103                                      -405
 28J3  4182850  4038115  7   185         -45                                      -325
 21P1  4181150  4041800  7    86             -1500                                -462
C*CROSS SECTION EXTENSION POINTS
   X1  4179000  4033175
   X2  4181100  4049000
   X3  4176000  4032300
   X4  4191000  4043000
   X5  4177800  4032000
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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
 X6  4192250  4042500
   X7  4180000  4030400
   X8  4194000  4041800
   X9  4185500  4029000
C*FAULTS OPINION POINTS
C*FAULT LOCATION BORINGS; BUCKET AUGER; WOODWARD-CLYDE/USGS; 4/1985.
BXBY2  4198000  4033200 20    65          55                                34  -100    24
CHND1  4190315  4034450 20   168         123                                            80
CHND4  4190250  4034625 20   152          69                                            37
FTOP2  4190315  4034400      175                                          155  -135
VALM1  4181360  4039225 20   155         120                              118   -40   120
FTOP3  4176000  4042700      200                                          198    -5
FTOP4  4193425  4034175      145                                          140    -8
FTOP5  4178900  4041650      120                                          115    -8
FTOP6  4182329  4038020      180         150                              170   -15
FTOP7  4181441  4038220      423                                        -1152 -1000
C*SCHIST OPINION POINTS
SHST1  4199000  4034450       20  1300                          -6900
SHST2  4200000  4036150       20  1300                          -6370
SHST3  4197000  4030450       80  1300                          -7600
C*MISCELLANEOUS OPINION POINTS BASED ON GEOLOGIC BOREHOLE DATA
 3001  4182375  4037065      318   320   284   290
 3002  4182460  4037490      242         232         110
 3004  4183070  4036610      283         279   285   200
 3005  4183340  4036430      265         263   280
 3006  4183935  4035715      298         289   295                                     268
 3007  4183980  4035850      295         293   295   261                               260
 3008  4183810  4034535      330   340   265         220
 3009  4184755  4033825      302   345   286
 3011  4183690  4037475      180         149
C*BASED ON HERZOG BORINGS
 3012  4181000  4036550      337   342   319
 3013  4182110  4038300      202   500   176    53    70       -6200
 3014  4182370  4038480      177          73  -300
 3015  4182640  4037750      218         196   110    54  -200
 3016  4182575  4037280      263         249   178    46       -6400
 3017  4182820  4036850      298         285   300   245
 3018  4183280  4037210      211         130    63
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C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3020	4183645	4036275		268		268	275	175					
3021	4183960	4035810		298		280		271					
3025	4185600	4035285		283		258	295	180					
3027	4185120	4035960		196		172	63						
3026	4184010	4034890		304	310	243	400	184					
3028	4181440	4038220		422		430	415		50				
3029	4181490	4038180		419		430	403						
3030	4179890	4037830		278	600	268	800		290				
3031	4180010	4037240		302	600	299	800						
3032	4180180	4036590		406	700	398	850						
3033	4179090	4036230		499	800	496	1000		520				
3034	4178930	4035115		518	800	508	1100		428				
3035	4179260	4034360		501	800	481			457				
3036	4181350	4033190		425		413	600		450				
3037	4185100	4035360		284		260		209					
3038	4181895	4032215		480	900	479							
3039	4182415	4032290		439		406			450				
3040	4183115	4032340		390		388			209				
3041	4182795	4031860		437	900	393							
3042	4184215	4032330		388	400	370	440	272	-82				
3044	4179235	4037530		423		421	850		368				
3045	4180810	4034190		427		425			450				
3046	4185590	4033030		388		376	328	0	-350	-1450			
C*BASED ON KLEINFELDER WELLS													
3048	4182235	4037960		217		207	220	215					
3049	4182390	4037625		228		183	200	220					
3050	4182550	4038145		191		162	-200						
3051	4182780	4036650		321		306	315	380					
3052	4183420	4036000		306		288		255					
3055	4183910	4035510		330		327		240					
3056	4184800	4034960		252		232		200					
3058	4183780	4034450		341		256	380						
3059	4184405	4033760		345	295		360						
3060	4184430	4033110		337		307	360						
3061	4183220	4032660		355		333	490	370					
3062	4182770	4032900		411		396		420					
3063	4182190	4033900		380	323								
3066	4180780	4036090		367		[illegible]			350				

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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
3067  4180680  4036690      381         375                400
 3068  4180545  4037610      279         230   800
C*BARRIER WELLS
 3070  4181800  4036960      282         215                100
 3076  4182140  4037290      256         201                -10
C*P4 WELLS
 3077  4181740  4037030      279         233   400
 3081  4182010  4037400      245   246   194                 55
 3082  4181955  4037465      242   246   178
 3083  4181890  4037530      244   246   206                 52
C*TOPOGRAPHIC DATA POINTS
C*QUADRANT 1
  101  4181840  4030635      542
  102  4182160  4030270      570
  103  4182615  4030415      542
C*QUADRANT 2
  201  4183365  4030355      528
  202  4183775  4030135      526
  203  4184225  4030525      414
  204  4184410  4030525      458
  205  4184775  4030105      457
  206  4184890  4030435      488
C*QUADRANT 3
  301  4178010  4033175      603
  302  4179020  4032495      597
  303  4179310  4032285      595
  304  4179340  4032650      549
  305  4179550  4031815      635
  306  4179630  4032570      540
  307  4180005  4033140      503
  308  4180265  4032445      539
  309  4180330  4031875      473
  310  4180435  4032730      517
C*QUADRANT 4
  401  4180775  4033035      478
  402  4181135  4032080      512
  403  4181780  4033400      418
  404  4182145  4032450      443
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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
405  4182310  4033400      412
  406  4182510  4033250      413
  407  4182680  4032100      454
C*QUADRANT 5
  501  4183220  4032835      347
  502  4183390  4031590      463
  503  4183795  4031040      476
  504  4183940  4033365      387
  505  4183975  4032728      384
  506  4184220  4033075      373
  507  4184630  4031325      431
  508  4184755  4032280      414
  509  4185405  4032360      403
C*QUADRANT 6
  601  4185730  4032300      415
  602  4185890  4033340      397
  603  4185890  4032750      396
  604  4186378  4032980      406
C*QUADRANT 7
  701  4178000  4033500      575
  702  4178000  4036000      550
  703  4180500  4033500      450
  704  4176805  4035572      720
  705  4177072  4034695      683
  706  4177210  4034140      727
  707  4177610  4033784      648
  708  4177840  4035545      619
  709  4177965  4034060      602
  710  4177965  4033630      590
C*QUADRANT 8
  801  4178040  4034180      606
  802  4178060  4035035      580
  803  4178180  4035535      585
  804  4178300  4035725      577
  805  4178880  4035925      546
  806  4179075  4034700      462
  807  4179495  4035233      463
  808  4179620  4035115      470
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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
809  4179620  4034815      464
  810  4179765  4034510      465
  811  4179930  4034405      470
  812  4179970  4033595      432
  813  4180000  4034280      464
  814  4180205  4034165      461
  815  4180330  4033613      432
  816  4180340  4034875      438
C*QUADRANT 9
  901  4180740  4033635      423
  902  4180765  4034210      427
  903  4181335  4033540      424
  904  4181370  4034340      418
  905  4181500  4035865      383
  906  4181635  4034505      437
  907  4181995  4034325      426
  908  4182320  4034850      448
  909  4182710  4035565      447
  910  4182740  4035105      448
  911  4182962  4033860      385
C*QUADRANT 10
 1001  4183690  4034295      340
 1002  4184080  4034270      349
 1003  4184080  4033670      389
 1004  4185355  4035445      286
 1005  4183690  4033980      312
C*QUADRANT 11
 1101  4185560  4033660      397
 1102  4185648  4035425      284
 1103  4185815  4034550      376
 1104  4185860  4033620      401
 1105  4186450  4035240      320
 1106  4186885  4033765      363
 1107  4187360  4034185      381
 1108  4187750  4034130      372
 1109  4187890  4034775      238
 1110  4188125  4034885      209
 1112  4188510  4035850      128
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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
C*QUADRANT 12
 1201  4176695  4036280      659
 1202  4177260  4037010      504
 1203  4177550  4036775      506
 1204  4177575  4036100      581
 1205  4177810  4036640      503
 1206  4177915  4037850      395
C*QUADRANT 13
 1301  4178228  4036505      503
 1302  4178262  4037857      442
 1303  4178440  4036120      548
 1304  4178660  4036070      539
 1305  4178810  4036335      568
 1306  4179325  4038175      411
 1307  4179610  4036780      426
 1308  4179890  4038420      434
 1309  4180458  4038280      456
C*QUADRANT 14
 1401  4180800  4037685      370
 1402  4180825  4036765      364
 1403  4180855  4038340      446
 1404  4181170  4038470      461
 1405  4181375  4037440      364
 1406  4181375  4037200      356
 1407  4182410  4038370      191
 1408  4182715  4038035      197
 1409  4182875  4036945      300
 1410  4182915  4038300      172
C*QUADRANT 15
 1501  4183272  4038115      172
 1502  4183295  4037455      200
 1503  4183855  4037530      171
 1504  4183855  4036483      242
 1505  4184130  4037715      158
 1506  4184365  4036970      186
 1507  4184615  4038425      125
 1508  4184655  4036095      228
 1509  4185455  4038120      132
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C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
C*QUADRANT 16													
1601	4185810	4036019		198									
1602	4186115	4037100		152									
1603	4186385	4037795		128									
1604	4186775	4036550		149									
1605	4187297	4036955		132									
1606	4187945	4036450		124									
C*QUADRANT 17													
1701	4178875	4038720		455									
1702	4179280	4038570		465									
1703	4179805	4039040		401									
C*QUADRANT 18													
1801	4181270	4038918		169									
1802	4181583	4041450		96									
1803	4181583	4041110		102									
1804	4181583	4038740		236									
1805	4181975	4039370		150									
1806	4182265	4038765		167									
1807	4182580	4039305		151									
C*QUADRANT 19													
1901	4183740	4039810		128									
1902	4183760	4039520		132									
1903	4184110	4039450		127									
1904	4184780	4038780		120									
C*TOPOGRAPHIC DATA POINTS FROM USGS QUAD MAP													
2001	4181000	4030000		660		655	850				380		
2002	4182000	4030000		575			830						
2003	4183000	4030000		560									
2004	4184000	4030000		475							300		
2005	4185000	4030000		440									
2006	4186000	4030000		375									
2007	4187000	4030000		375		355					-600		
2008	4188000	4030000		360									
2009	4189000	4030000		350									
2010	4190000	4030000		350							-1300		
2011	4191000	4030000		295									
2012	4192000	4030000		248									
2013	4193000	4030000		290									

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
2014	4194000	4030000		290									
2015	4195000	4030000		230									
2016	4196000	4030000		210									
2020	4185000	4028000		738		750				720			
2021	4186000	4028000		680		700				680			
2022	4187000	4028000		510		505				450			
2023	4188000	4028000		580		600							
2024	4189000	4028000		495									
2025	4190000	4028000		410									
2026	4191000	4028000		300									
2027	4192000	4028000		240									
2028	4193000	4028000		205									
2029	4194000	4028000		160									
2030	4195000	4028000		145									
2031	4184000	4040000		120									
2032	4185000	4040000		105									
2033	4186000	4040000		90									
2034	4187000	4040000		90									
2035	4188000	4040000		77									
2036	4189000	4040000		75									
2037	4190000	4040000		72									
2038	4191000	4040000		71									
2039	4192000	4040000		67									
2040	4193000	4040000		67									
2041	4194000	4040000		66									
2042	4195000	4040000		63									
2043	4196000	4040000		58									
2044	4197000	4040000		60									
2045	4176000	4042000		340									
2046	4177000	4042000		290						-5700			
2047	4178000	4042000		100									
2048	4179000	4042000		85									
2049	4180000	4042000		78									
2050	4176000	4040000		418		410							
2051	4178000	4040000		415		410							
2052	4183000	4042000		82									
2053	4180000	4040000		250						-6000			
2054	4176000	4039000		395		392		800	395		-10250	-6000	

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
2055	4186000	4042000		77									
2056	4189000	4042000		90									
2057	4191000	4042000		75									
2058	4192000	4042000		95									
2059	4194000	4042000		80									
2060	4176000	4037000		620		607							
2061	4180000	4037000		400									
2062	4176000	4035000		820		818				-400			
2063	4175000	4033000		910		908				-200			
2064	4179435	4037170		350									
2065	4178775	4037170		400									
2066	4180255	4037435		300									
2067	4180125	4037435		350									
2068	4179860	4037435		400									
2069	4179250	4037435		425									
2070	4179300	4037930		300									
2071	4178880	4037930		350									
2072	4178630	4037930		400									
2073	4187000	4027000		780		770							
2074	4188000	4027000		720									
2075	4189000	4027000		620									
2076	4191000	4027000		380									
2077	4194000	4027000		170									
2078	4189000	4026000		675									
2079	4190000	4026000		480									
2080	4192000	4026000		300									
2081	4193500	4026000		200									
2082	4190000	4025000		440									
2083	4193000	4025000		240									
2084	4193000	4024000		300									
2085	4172000	4035000		940		945	2000						
2086	4173000	4035000		820		818							
2087	4174000	4035000		780		775							
2088	4175000	4035000		760		755							
2089	4173000	4034000		920		920							
2090	4174000	4034000		960		965							
2091	4175000	4034000		860		855							
2092	4173000	4036000		850									

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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
2093  4174000  4036000      780
 2094  4173000  4037000      690
 2095  4174000  4038000      465
 2096  4174000  4039000      400
C*GEOLOGIC PICKS BASED ON WOODRING, 1946.
 2097  4175000  4040000      380              370   500
 2098  4178000  4039000      465                    900   465
C*BASE OF EXCAVATION DATA POINTS
C*SCBG
 3001  4183000  4033000            395   400
 3002  4183000  4033200            392
 3003  4183000  4033400            370
 3004  4183000  4033600            377
 3005  4183000  4033800            377
 3006  4183000  4034000            373
 3008  4183200  4033000            343
 3009  4183200  4033200            343
 3010  4183200  4033400            335   350
 3011  4183200  4033600            300
 3012  4183200  4033800            273
 3013  4183200  4034000            275
 3014  4183200  4034200            380
 3015  4183400  4033000            395
 3016  4183400  4033200            387
 3017  4183400  4033400            319
 3018  4183400  4033600            273   400
 3019  4183400  4033800            263
 3020  4183400  4034000            254
 3021  4183400  4034200            270
 3022  4183600  4033000            348
 3023  4183600  4033200            356
 3024  4183600  4033400            335
 3025  4183600  4033600            268
 3026  4183600  4033800            258
 3027  4183600  4034000            255   400
 3028  4183600  4034200            260
 3029  4183800  4033000            320
 3030  4183800  4033200            318
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C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3031	4183800	4033400			357								
3032	4183800	4033600			283								
3033	4183800	4033800			275								
3034	4183800	4034000			285								
3035	4183800	4034200			325	360							
3036	4183900	4033900			275								
3037	4183900	4034000			273								
3038	4183900	4034100			277								
3039	4183900	4034200			285								
3040	4183900	4034300			300								
3041	4184000	4033000			320								
3042	4184000	4033200			292								
3043	4184000	4033400			342								
3044	4184000	4033600			282								
3045	4184000	4033900			275								
3046	4184000	4034000			277								
3047	4184000	4034100			277	360							
3048	4184000	4034200			300								
3049	4184000	4034300		330	330								
3050	4184000	4034400		377									
3051	4184200	4033000			325								
3052	4184200	4033200			287								
3053	4184200	4033400			292								
3054	4184200	4033600			287								
3055	4184200	4033800			335								
3056	4184200	4034000			350								
3057	4184200	4034200			380								
3058	4184400	4033200			340								
3059	4184400	4033400			292								
3060	4184400	4033600			287								
3061	4184400	4033800			315								
3062	4183500	4032700			384								
3063	4183500	4032800			377								
3064	4183500	4032900			372								
3065	4183500	4033000			362								
3066	4183700	4032500			392								
3067	4183700	4032700			322								
3068	4183700	4032800			327								

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3069	4183700	4032900			337								
3070	4183700	4033000			348								
3071	4183800	4032500			375								
3072	4183800	4032700			310								
3073	4183800	4032800			310								
3074	4183800	4032900			326								
3075	4183900	4032500			345								
3076	4183900	4032700			327								
3077	4183900	4032800			317								
3078	4183900	4032900			335								
3079	4183900	4033000			346								
3080	4184000	4032800			344								
3081	4184000	4032900			346								
3082	4182800	4033000		402	402								
3083	4182800	4033100		409	409								
3084	4181800	4033900		402	402								
3085	4182000	4033700		402	402								
3086	4182000	4033900		392	392								
3087	4182000	4034000			383								
3088	4182200	4033500		415	415								
3089	4182200	4033700		417	417								
3090	4182200	4033900			360								
3091	4182200	4034000			348								
3092	4182400	4033300		418	418								
3093	4182400	4033500		413	413								
3094	4182400	4033700		411	411								
3095	4182600	4033100		422	422								
3096	4182600	4033300		412	412								
3097	4182600	4033500		410	410								
3098	4182600	4033700		410	410								
C*PARCEL 6 BASE OF EXCAVATION; BASED ON GRADING PLAN													
3099	4182800	4035400			345								
3100	4182800	4035600			360								
3101	4182800	4035800			330								
3102	4182800	4036000			250								
3103	4182800	4036200			238								
3104	4182800	4036400			235								
3105	4182800	4036600			298								

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3106	4183000	4035200			258								
3107	4183000	4035400			255								
3108	4183000	4035600			252								
3109	4183000	4035800			238								
3110	4183000	4036000			235								
3111	4183000	4036200			233								
3112	4183000	4036400			290								
3113	4183200	4035000			258								
3114	4183200	4035200			255								
3115	4183200	4035400			252								
3116	4183200	4035600			245			375					
3117	4183200	4035800			237								
3118	4183200	4036000			233								
3119	4183200	4036200			275								
3120	4183400	4034800			257								
3121	4183400	4035000			255			330					
3122	4183400	4035200			251								
3123	4183400	4035400			247								
3124	4183400	4035600			243								
3125	4183400	4035800			238								
3126	4183400	4036000			282								
3127	4183600	4034800			256								
3128	4183600	4035000			251								
3129	4183600	4035200			247								
3130	4183600	4035400			245								
3131	4183600	4035600			243								
3132	4183600	4035800			297								
3133	4183800	4034800			285								
3134	4183800	4035000			247								
3135	4183800	4035200			245								
3136	4183800	4035400			248								
3137	4183800	4035600			305								
3138	4184000	4035000			250								
3139	4184000	4035200			247								
3140	4184000	4035400			310								
3141	4182400	4037000			290								
3142	4182400	4036800			275								
3143	4182600	4036000			355			355					

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3144	4182600	4036200			350								
3145	4182600	4036400			345								
3146	4182600	4036600			280								
3147	4182600	4036800			305								
3148	4181000	4034400			425								
3149	4181000	4034600			405								
3150	4181000	4034800			402								
3151	4181000	4035000			387								
3152	4181000	4035200			380								
3153	4181000	4035400			360								
3154	4181000	4035600			350								
3155	4181000	4035800			330								
3156	4181000	4036000			330								
3157	4181000	4036200			300								
3158	4181000	4036400			357								
3159	4181200	4034400			420								
3160	4181200	4034600			414								
3161	4181200	4034800			390								
3162	4181200	4035000			388								
3163	4181200	4035200			345								
3164	4181200	4035400			299								
3165	4181200	4035600			279								
3166	4181200	4035800			271								
3167	4181200	4036000			287								
3168	4181200	4036200			284								
3169	4181200	4036400			284								
3170	4181200	4036600			329								
3171	4181400	4034400			405								
3172	4181400	4034600			395								
3173	4181400	4034800			376								
3174	4181400	4035000			390								
3175	4181400	4035200			330								
3176	4181400	4035400			313								
3177	4181400	4035600			304								
3178	4181400	4035800			290								
3179	4181400	4036000			285								
3180	4181400	4036200			280								
3181	4181400	4036400			298								

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3182	4181400	4036600			280								
3183	4181600	4034400			365								
3184	4181600	4034600			355								
3185	4181600	4034800			320								
3186	4181600	4035000			318								
3187	4181600	4035200			320								
3188	4181600	4035400			342								
3189	4181600	4035600			337								
3190	4181600	4035800			330								
3191	4181600	4036000			326								
3192	4181600	4036200			325								
3193	4181600	4036400			314								
3194	4181600	4036600			252								
3195	4181600	4036800			270								
3196	4181800	4034200			354								
3197	4181800	4034400			325								
3198	4181800	4034600			300								
3199	4181800	4034800			290								
3200	4181800	4035000			310								
3201	4181800	4035200			345								
3202	4181800	4035400			315								
3203	4181800	4035600			315								
3204	4181800	4035800			275								
3205	4181800	4036000			275								
3206	4181800	4036200			270								
3207	4181800	4036400			263								
3208	4181800	4036600			248								
3209	4181800	4036800			245								
3210	4181800	4037000			242								
3211	4182000	4034200			363								
3212	4182000	4034400			292								
3213	4182000	4034600			272								
3214	4182000	4034800			260								
3215	4182000	4035000			275								
3216	4182000	4035200			331								
3217	4182000	4035400			268								
3218	4182000	4035600			265								
3219	4182000	4035800			258								

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C*ID||    X  ||    Y  ||S||TOPO||BEXC||BQO ||BQUS||BTMM||BTMV||BTMA||PVFZ||DISP|| TD |
3220  4182000  4036000            255
 3221  4182000  4036200             262
 3222  4182000  4036400             265
 3223  4182000  4036600             270
 3224  4182000  4036800             265
 3225  4182000  4037000             265
 3226  4182000  4037200             225
 3227  4182200  4034200             368
 3228  4182200  4034400             347
 3229  4182200  4034600             277
 3230  4182200  4034800             295
 3231  4182200  4035000             292
 3232  4182200  4035200             284
 3233  4182200  4035400             277
 3234  4182200  4035600             267
 3235  4182200  4035800             272
 3236  4182200  4036000             325
 3237  4182200  4036200             279
 3238  4182200  4036400             267
 3239  4182200  4036600             248
 3240  4182200  4036800             248
 3241  4182200  4037000             270
 3242  4182400  4034200             370
 3243  4182400  4034400             345
 3244  4182400  4034600             337
 3245  4182400  4034800             280
 3246  4182400  4035000             280
 3247  4182400  4035200             282
 3248  4182400  4035400             282
 3249  4182400  4035600             285
 3250  4182400  4035800             319
 3251  4182400  4036000             326
 3252  4182400  4036200             325
 3253  4182400  4036400             248
C*ERNIE HOWLETT PARK
 3254  4180600  4037200             380
 3255  4180600  4037400             297
 3256  4180600  4037600             292
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C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3257	4180600	4037700			255								
3258	4180600	4037800			280								
3259	4180600	4037900			330								
3260	4180800	4036600			377								
3261	4180800	4036800			377								
3262	4180800	4037000			376								
3263	4180800	4037200			360								
3264	4180800	4037400			296								
3265	4180800	4037600			265								
3266	4180800	4037700			257								
3267	4180800	4037800			270								
3268	4180800	4037900			315								
3270	4181000	4036800			373								
3271	4181000	4037000			373								
3272	4181000	4037200			330								
3273	4181000	4037400			250								
3274	4181000	4037600			252								
3275	4181000	4037700			257								
3276	4181000	4037800			275								
3277	4181000	4037900			315								
3278	4181200	4036800			363								
3279	4181200	4037000			350								
3280	4181200	4037200			257								
3281	4181200	4037400			243								
3282	4181200	4037600			247								
3283	4181200	4037700			255								
3284	4181200	4037800			290								
3285	4181200	4037900			340								
3286	4181400	4037000			315								
3287	4181400	4037200			246								
3288	4181400	4037400			238								
3289	4181400	4037600			241								
3290	4181400	4037700			250								
3291	4181400	4037800			280								
3292	4181400	4037900			355								
3293	4181600	4037200			245								
3294	4181600	4037400			220								
3295	4181600	4037600			223								

C*ID	X	Y	S	TOPO	BEXC	BQO	BQUS	BTMM	BTMV	BTMA	PVFZ	DISP	TD
3296	4181600	4037700			270								
3297	4181600	4037800			330								
3298	4181600	4037900			390								
3299	4181800	4037400			222								
3300	4181800	4037600			215								
3301	4181800	4037700			218								
3302	4181800	4037800			275								