

SR-109 Grading Summary

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.		
MAINLINE		192012	808703	189804	SHRINK = 1.15 % SWELL = 1.2 % EMB. EXC. 934113 VS. -379466	
SIDE ROADS		106582	113132	105357		
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES		69248	11428	68452		
EROSION CONTROL		15388	0	15212		
DETENTION POND AT NEW KIRBY ROAD		650	850	643		
					AVAILABLE = 554647	
TOPSOIL (EMB.)		112655				
TOPSOIL (EXC.)		64687				
					BORROW MATERIAL = 561026	
ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	561222	934113	561222	383880	379466

NOTE: SEE GEOTECHNICAL PLANS AND NATURAL STREAM DESIGN PLANS FOR ADDITIONAL QUANTITIES AS REQUIRED.

SEE GRADING SPECIAL NOTES ON 2D

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1 Input File: ewkprj.inp
2 Output File: SR109_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.010000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-SR109N.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
20 1 18 18 lvname = DESIGN - EARTHWORK - Special Tie to Ground
21 1 19 19 co = 2-3,6-8,16,18
22 1 20 20
23 1 21 21 Existing Ground Line
24 1 22 22 soil type = Earth
25 1 23 23 roadway exc mult factor = 1.000000
26 1 24 24 subsoil exc mult factor = 1.000000
27 1 25 25 fill mult factor = 1.000000
28 1 26 26 type = line, line_string
29 1 27 27 lvname = SURVEY - GROUND - Top of Ground
30 1 28 28 co = 0
31 1 29 29
32 1 30 30 Existing Unsuitable Material
33 1 31 31 soil type = Topsoil
34 1 32 32 roadway exc mult factor = 1.000000
35 1 33 33 subsoil exc mult factor = 1.000000
36 1 34 34 fill mult factor = 1.000000
37 1 35 35 type = line, line_string
38 1 36 36 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
39 1 37 37 co = 2
40 1 38 38
41 1 39 39 Excavation Limit
42 1 40 40 type = line
43 1 41 41 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
44 1 42 42 co = 0
45 1 43 43
46 1 44 44 Ignore Areas
47 1 45 45 from 416+23.28 R 1 to 418+12.28 R 1
48 1 46 46 from 440+20.35 R 1 to 441+94.35 R 1
49 1 47 47
50 1 48 48 Write Earthwork Shapes
51 1 49 49 plot param
52 1 50 50 lv = 347
53 1 51 51 lvname = DESIGN - EARTHWORK - Shapes
54 1 52 52 co = 2
55 1 53 53 wt = 0
56 1 54 54 lc = 0
57 1 55 55 Stratify Shape Color
58 1 56 56
59 1 57 57
60 1 58 58 Add Accumulated Adjusted Volume Column
61 1 59 59
62 1 60 60 Add Accumulated Unadjusted Volume Column
63 1 61 61
64 1 62 62 End Area Decimal Places = 0
65 1 63 63

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66 1 64 64 Process Earthwork for Baseline = SR109
67 1 65 65 job number = 32n
68 1 66 66
69 1 67 67 beg sta = 394+75
70 1 68 68 end sta = 612+00.00 R 1
71 0 0 69 END_OF_FILE

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72 COMPUTING EARTHWORKS FOR BASELINE = SR109

73 COMPUTING EARTHWORKS FOR JOB = 32N

74 FORMING LIST OF XSCCELLS

75 BEGINNING EARTHWORKS COMPUTATION

76

Station	Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass
Vol	Accum	Accum	Volumes	Volumes	Factor	Ordinate
Adj Vol						Unadj
		(sq. ft.)	(cu. yd.)	(cu. yd.)		(cu. yd.)
		yd.) (cu. yd.)				

79 -----

80 -----

81 395+00.00 EARTH

82 Common Exc 37 0 0 1.00

83 0 0 Subgrade Exc 0 0 0 1.00

84 0 0 Subsoil Exc 0 0 0 1.00

85 0 0 Fill 70 0 0 1.00 0

86 0 0 TOPSOIL

87 Common Exc 67 0 0 1.00

88 0 0 Subgrade Exc 0 0 0 1.00

89 0 0 Subsoil Exc 0 0 0 1.00

90 0 0 Fill 0 0 0 1.00 0

91 0 0 Mass ordinate for TOPSOIL = 0

92

93 395+50.00 EARTH

94 Common Exc 19 52 52 1.00

95 52 52 Subgrade Exc 0 0 0 1.00

96 0 0 Subsoil Exc 0 0 0 1.00

97 0 0 Fill 190 241 241 1.00 -189

98 241 241 TOPSOIL

99 Common Exc 48 106 106 1.00

100 106 106 Subgrade Exc 0 0 0 1.00

101 0 0 Subsoil Exc 134 124 124 1.00

102 124 124 Fill 0 0 0 1.00 -189

103 0 0 Mass ordinate for TOPSOIL = 230

104

105 395+56.81 EARTH

106 Common Exc 16 4 4 1.00

107 56 56 Subgrade Exc 0 0 0 1.00

108 0 0 Subsoil Exc 0 0 0 1.00

0 0

109		Fill	198	49	49	1.00	-234
		290	290				
110		TOPSOIL					
111		Common Exc	43	11	11	1.00	
		117	117				
112		Subgrade Exc	0	0	0	1.00	
		0	0				
113		Subsoil Exc	138	34	34	1.00	
		158	158				
114		Fill	0	0	0	1.00	-234
		0	0				
115		Mass ordinate for TOPSOIL = 275					
116							
117	396+00.00	EARTH					
118		Common Exc	14	24	24	1.00	
		80	80				
119		Subgrade Exc	0	0	0	1.00	
		0	0				
120		Subsoil Exc	0	0	0	1.00	
		0	0				
121		Fill	196	315	315	1.00	-525
		605	605				
122		TOPSOIL					
123		Common Exc	40	66	66	1.00	
		183	183				
124		Subgrade Exc	0	0	0	1.00	
		0	0				
125		Subsoil Exc	138	221	221	1.00	
		379	379				
126		Fill	0	0	0	1.00	-525
		0	0				
127		Mass ordinate for TOPSOIL = 562					
128							
129	396+20.00	EARTH					
130		Common Exc	25	14	14	1.00	
		94	94				
131		Subgrade Exc	0	0	0	1.00	
		0	0				
132		Subsoil Exc	0	0	0	1.00	
		0	0				
133		Fill	153	129	129	1.00	-640
		734	734				
134		TOPSOIL					
135		Common Exc	67	40	40	1.00	
		223	223				
136		Subgrade Exc	0	0	0	1.00	
		0	0				
137		Subsoil Exc	114	93	93	1.00	
		472	472				
138		Fill	0	0	0	1.00	-640
		0	0				
139		Mass ordinate for TOPSOIL = 695					
140							
141	396+50.00	EARTH					
142		Common Exc	51	42	42	1.00	
		136	136				
143		Subgrade Exc	0	0	0	1.00	
		0	0				
144		Subsoil Exc	0	0	0	1.00	
		0	0				
145		Fill	102	142	142	1.00	-740
		876	876				
146		TOPSOIL					
147		Common Exc	102	94	94	1.00	
		317	317				
148		Subgrade Exc	0	0	0	1.00	

149		0	0						
		Subsoil	Exc	84	110	110	1.00		
150		582	582						
		Fill		0	0	0	1.00	-740	
		0	0						
151		Mass ordinate for TOPSOIL = 899							
152									
153	397+00.00	EARTH							
154		Common	Exc	143	180	180	1.00		
		316	316						
155		Subgrade	Exc	0	0	0	1.00		
		0	0						
156		Subsoil	Exc	0	0	0	1.00		
		0	0						
157		Fill		51	142	142	1.00	-702	
		1018	1018						
158		TOPSOIL							
159		Common	Exc	140	224	224	1.00		
		541	541						
160		Subgrade	Exc	0	0	0	1.00		
		0	0						
161		Subsoil	Exc	51	125	125	1.00		
		707	707						
162		Fill		0	0	0	1.00	-702	
		0	0						
163		Mass ordinate for TOPSOIL = 1248							
164									
165	397+50.00	EARTH							
166		Common	Exc	230	345	345	1.00		
		661	661						
167		Subgrade	Exc	0	0	0	1.00		
		0	0						
168		Subsoil	Exc	0	0	0	1.00		
		0	0						
169		Fill		7	54	54	1.00	-411	
		1072	1072						
170		TOPSOIL							
171		Common	Exc	189	305	305	1.00		
		846	846						
172		Subgrade	Exc	0	0	0	1.00		
		0	0						
173		Subsoil	Exc	7	54	54	1.00		
		761	761						
174		Fill		0	0	0	1.00	-411	
		0	0						
175		Mass ordinate for TOPSOIL = 1607							
176									
177	397+58.93	EARTH							
178		Common	Exc	237	77	77	1.00		
		738	738						
179		Subgrade	Exc	0	0	0	1.00		
		0	0						
180		Subsoil	Exc	0	0	0	1.00		
		0	0						
181		Fill		7	2	2	1.00	-336	
		1074	1074						
182		TOPSOIL							
183		Common	Exc	190	63	63	1.00		
		909	909						
184		Subgrade	Exc	0	0	0	1.00		
		0	0						
185		Subsoil	Exc	7	2	2	1.00		
		763	763						
186		Fill		0	0	0	1.00	-336	
		0	0						
187		Mass ordinate for TOPSOIL = 1672							

188							
189	397+89.31	EARTH					
190		Common Exc	259	279	279	1.00	
		1017	1017				
191		Subgrade Exc	0	0	0	1.00	
		0	0				
192		Subsoil Exc	0	0	0	1.00	
		0	0				
193		Fill	4	6	6	1.00	-63
		1080	1080				
194		TOPSOIL					
195		Common Exc	194	216	216	1.00	
		1125	1125				
196		Subgrade Exc	0	0	0	1.00	
		0	0				
197		Subsoil Exc	4	6	6	1.00	
		769	769				
198		Fill	0	0	0	1.00	-63
		0	0				
199		Mass ordinate for TOPSOIL = 1894					
200							
201	398+00.00	EARTH					
202		Common Exc	265	104	104	1.00	
		1121	1121				
203		Subgrade Exc	0	0	0	1.00	
		0	0				
204		Subsoil Exc	0	0	0	1.00	
		0	0				
205		Fill	4	2	2	1.00	39
		1082	1082				
206		TOPSOIL					
207		Common Exc	195	77	77	1.00	
		1202	1202				
208		Subgrade Exc	0	0	0	1.00	
		0	0				
209		Subsoil Exc	4	2	2	1.00	
		771	771				
210		Fill	0	0	0	1.00	39
		0	0				
211		Mass ordinate for TOPSOIL = 1973					
212							
213	398+46.81	EARTH					
214		Common Exc	256	452	452	1.00	
		1573	1573				
215		Subgrade Exc	0	0	0	1.00	
		0	0				
216		Subsoil Exc	0	0	0	1.00	
		0	0				
217		Fill	4	7	7	1.00	484
		1089	1089				
218		TOPSOIL					
219		Common Exc	198	341	341	1.00	
		1543	1543				
220		Subgrade Exc	0	0	0	1.00	
		0	0				
221		Subsoil Exc	4	7	7	1.00	
		778	778				
222		Fill	0	0	0	1.00	484
		0	0				
223		Mass ordinate for TOPSOIL = 2321					
224							
225	398+50.00	EARTH					
226		Common Exc	256	30	30	1.00	
		1603	1603				
227		Subgrade Exc	0	0	0	1.00	
		0	0				

228		Subsoil Exc	0	0	0	1.00	
		0	0				
229		Fill	4	0	0	1.00	514
		1089	1089				
230		TOPSOIL					
231		Common Exc	198	23	23	1.00	
		1566	1566				
232		Subgrade Exc	0	0	0	1.00	
		0	0				
233		Subsoil Exc	4	0	0	1.00	
		778	778				
234		Fill	0	0	0	1.00	514
		0	0				
235		Mass ordinate for TOPSOIL = 2344					
236							
237	399+00.00	EARTH					
238		Common Exc	279	495	495	1.00	
		2098	2098				
239		Subgrade Exc	0	0	0	1.00	
		0	0				
240		Subsoil Exc	0	0	0	1.00	
		0	0				
241		Fill	4	7	7	1.00	1002
		1096	1096				
242		TOPSOIL					
243		Common Exc	205	373	373	1.00	
		1939	1939				
244		Subgrade Exc	0	0	0	1.00	
		0	0				
245		Subsoil Exc	4	7	7	1.00	
		785	785				
246		Fill	0	0	0	1.00	1002
		0	0				
247		Mass ordinate for TOPSOIL = 2724					
248							
249	399+34.69	EARTH					
250		Common Exc	286	363	363	1.00	
		2461	2461				
251		Subgrade Exc	0	0	0	1.00	
		0	0				
252		Subsoil Exc	0	0	0	1.00	
		0	0				
253		Fill	4	5	5	1.00	1360
		1101	1101				
254		TOPSOIL					
255		Common Exc	208	265	265	1.00	
		2204	2204				
256		Subgrade Exc	0	0	0	1.00	
		0	0				
257		Subsoil Exc	4	5	5	1.00	
		790	790				
258		Fill	0	0	0	1.00	1360
		0	0				
259		Mass ordinate for TOPSOIL = 2994					
260							
261	399+50.00	EARTH					
262		Common Exc	279	160	160	1.00	
		2621	2621				
263		Subgrade Exc	0	0	0	1.00	
		0	0				
264		Subsoil Exc	0	0	0	1.00	
		0	0				
265		Fill	4	2	2	1.00	1518
		1103	1103				
266		TOPSOIL					
267		Common Exc	209	118	118	1.00	

268	2322	2322					
	Subgrade Exc	0	0	0	1.00		
269	0	0					
	Subsoil Exc	4	2	2	1.00		
	792	792					
270	Fill	0	0	0	1.00	1518	
	0	0					
271	Mass ordinate for TOPSOIL = 3114						
272							
273	400+00.00 EARTH						
274	Common Exc	275	513	513	1.00		
	3134	3134					
275	Subgrade Exc	0	0	0	1.00		
	0	0					
276	Subsoil Exc	0	0	0	1.00		
	0	0					
277	Fill	4	7	7	1.00	2024	
	1110	1110					
278	TOPSOIL						
279	Common Exc	211	389	389	1.00		
	2711	2711					
280	Subgrade Exc	0	0	0	1.00		
	0	0					
281	Subsoil Exc	4	7	7	1.00		
	799	799					
282	Fill	0	0	0	1.00	2024	
	0	0					
283	Mass ordinate for TOPSOIL = 3510						
284							
285	400+50.00 EARTH						
286	Common Exc	304	536	536	1.00		
	3670	3670					
287	Subgrade Exc	0	0	0	1.00		
	0	0					
288	Subsoil Exc	0	0	0	1.00		
	0	0					
289	Fill	4	7	7	1.00	2553	
	1117	1117					
290	TOPSOIL						
291	Common Exc	214	394	394	1.00		
	3105	3105					
292	Subgrade Exc	0	0	0	1.00		
	0	0					
293	Subsoil Exc	4	7	7	1.00		
	806	806					
294	Fill	0	0	0	1.00	2553	
	0	0					
295	Mass ordinate for TOPSOIL = 3911						
296							
297	401+00.00 EARTH						
298	Common Exc	395	647	647	1.00		
	4317	4317					
299	Subgrade Exc	0	0	0	1.00		
	0	0					
300	Subsoil Exc	0	0	0	1.00		
	0	0					
301	Fill	4	7	7	1.00	3193	
	1124	1124					
302	TOPSOIL						
303	Common Exc	219	401	401	1.00		
	3506	3506					
304	Subgrade Exc	0	0	0	1.00		
	0	0					
305	Subsoil Exc	4	7	7	1.00		
	813	813					
306	Fill	0	0	0	1.00	3193	

307		0	0				
308		Mass ordinate for TOPSOIL = 4319					
309	401+50.00	EARTH					
310		Common Exc	555	880	880	1.00	
		5197	5197				
311		Subgrade Exc	0	0	0	1.00	
		0	0				
312		Subsoil Exc	0	0	0	1.00	
		0	0				
313		Fill	4	7	7	1.00	4066
		1131	1131				
314		TOPSOIL					
315		Common Exc	226	412	412	1.00	
		3918	3918				
316		Subgrade Exc	0	0	0	1.00	
		0	0				
317		Subsoil Exc	4	7	7	1.00	
		820	820				
318		Fill	0	0	0	1.00	4066
		0	0				
319		Mass ordinate for TOPSOIL = 4738					
320							
321	401+75.00	EARTH					
322		Common Exc	633	550	550	1.00	
		5747	5747				
323		Subgrade Exc	0	0	0	1.00	
		0	0				
324		Subsoil Exc	0	0	0	1.00	
		0	0				
325		Fill	4	4	4	1.00	4612
		1135	1135				
326		TOPSOIL					
327		Common Exc	228	210	210	1.00	
		4128	4128				
328		Subgrade Exc	0	0	0	1.00	
		0	0				
329		Subsoil Exc	4	4	4	1.00	
		824	824				
330		Fill	0	0	0	1.00	4612
		0	0				
331		Mass ordinate for TOPSOIL = 4952					
332							
333	402+00.00	EARTH					
334		Common Exc	701	618	618	1.00	
		6365	6365				
335		Subgrade Exc	0	0	0	1.00	
		0	0				
336		Subsoil Exc	0	0	0	1.00	
		0	0				
337		Fill	4	4	4	1.00	5226
		1139	1139				
338		TOPSOIL					
339		Common Exc	229	212	212	1.00	
		4340	4340				
340		Subgrade Exc	0	0	0	1.00	
		0	0				
341		Subsoil Exc	4	4	4	1.00	
		828	828				
342		Fill	0	0	0	1.00	5226
		0	0				
343		Mass ordinate for TOPSOIL = 5168					
344							
345	402+25.00	EARTH					
346		Common Exc	747	670	670	1.00	
		7035	7035				

347		Subgrade Exc	0	0	0	1.00	
	0	0					
348		Subsoil Exc	0	0	0	1.00	
	0	0					
349		Fill	4	4	4	1.00	5892
		1143	1143				
350		TOPSOIL					
351		Common Exc	230	213	213	1.00	
		4553	4553				
352		Subgrade Exc	0	0	0	1.00	
	0	0					
353		Subsoil Exc	4	4	4	1.00	
	832	832					
354		Fill	0	0	0	1.00	5892
	0	0					
355		Mass ordinate for TOPSOIL = 5385					
356							
357	402+50.00	EARTH					
358		Common Exc	763	699	699	1.00	
		7734	7734				
359		Subgrade Exc	0	0	0	1.00	
	0	0					
360		Subsoil Exc	0	0	0	1.00	
	0	0					
361		Fill	4	4	4	1.00	6587
		1147	1147				
362		TOPSOIL					
363		Common Exc	230	213	213	1.00	
		4766	4766				
364		Subgrade Exc	0	0	0	1.00	
	0	0					
365		Subsoil Exc	4	4	4	1.00	
	836	836					
366		Fill	0	0	0	1.00	6587
	0	0					
367		Mass ordinate for TOPSOIL = 5602					
368							
369	402+75.00	EARTH					
370		Common Exc	750	700	700	1.00	
		8434	8434				
371		Subgrade Exc	0	0	0	1.00	
	0	0					
372		Subsoil Exc	0	0	0	1.00	
	0	0					
373		Fill	4	4	4	1.00	7283
		1151	1151				
374		TOPSOIL					
375		Common Exc	231	213	213	1.00	
		4979	4979				
376		Subgrade Exc	0	0	0	1.00	
	0	0					
377		Subsoil Exc	4	4	4	1.00	
	840	840					
378		Fill	0	0	0	1.00	7283
	0	0					
379		Mass ordinate for TOPSOIL = 5819					
380							
381	403+00.00	EARTH					
382		Common Exc	733	687	687	1.00	
		9121	9121				
383		Subgrade Exc	0	0	0	1.00	
	0	0					
384		Subsoil Exc	0	0	0	1.00	
	0	0					
385		Fill	4	4	4	1.00	7966
		1155	1155				

386	TOPSOIL					
387	Common Exc	232	214	214	1.00	
	5193	5193				
388	Subgrade Exc	0	0	0	1.00	
	0	0				
389	Subsoil Exc	4	4	4	1.00	
	844	844				
390	Fill	0	0	0	1.00	7966
	0	0				
391	Mass ordinate for TOPSOIL = 6037					
392						
393	403+25.00 EARTH					
394	Common Exc	742	683	683	1.00	
	9804	9804				
395	Subgrade Exc	0	0	0	1.00	
	0	0				
396	Subsoil Exc	0	0	0	1.00	
	0	0				
397	Fill	4	4	4	1.00	8645
	1159	1159				
398	TOPSOIL					
399	Common Exc	235	216	216	1.00	
	5409	5409				
400	Subgrade Exc	0	0	0	1.00	
	0	0				
401	Subsoil Exc	4	4	4	1.00	
	848	848				
402	Fill	0	0	0	1.00	8645
	0	0				
403	Mass ordinate for TOPSOIL = 6257					
404						
405	403+50.00 EARTH					
406	Common Exc	764	697	697	1.00	
	10501	10501				
407	Subgrade Exc	0	0	0	1.00	
	0	0				
408	Subsoil Exc	0	0	0	1.00	
	0	0				
409	Fill	4	4	4	1.00	9338
	1163	1163				
410	TOPSOIL					
411	Common Exc	239	219	219	1.00	
	5628	5628				
412	Subgrade Exc	0	0	0	1.00	
	0	0				
413	Subsoil Exc	4	4	4	1.00	
	852	852				
414	Fill	0	0	0	1.00	9338
	0	0				
415	Mass ordinate for TOPSOIL = 6480					
416						
417	403+75.00 EARTH					
418	Common Exc	827	737	737	1.00	
	11238	11238				
419	Subgrade Exc	0	0	0	1.00	
	0	0				
420	Subsoil Exc	0	0	0	1.00	
	0	0				
421	Fill	4	4	4	1.00	10071
	1167	1167				
422	TOPSOIL					
423	Common Exc	243	223	223	1.00	
	5851	5851				
424	Subgrade Exc	0	0	0	1.00	
	0	0				
425	Subsoil Exc	4	4	4	1.00	

426	856	856					
	Fill		0	0	0	1.00	10071
	0	0					
427	Mass ordinate for TOPSOIL = 6707						
428							
429	404+00.00 EARTH						
430	Common Exc	936	816	816	1.00		
	12054	12054					
431	Subgrade Exc	0	0	0	1.00		
	0	0					
432	Subsoil Exc	0	0	0	1.00		
	0	0					
433	Fill	4	4	4	1.00	10883	
	1171	1171					
434	TOPSOIL						
435	Common Exc	248	227	227	1.00		
	6078	6078					
436	Subgrade Exc	0	0	0	1.00		
	0	0					
437	Subsoil Exc	4	4	4	1.00		
	860	860					
438	Fill	0	0	0	1.00	10883	
	0	0					
439	Mass ordinate for TOPSOIL = 6938						
440							
441	404+25.00 EARTH						
442	Common Exc	626	723	723	1.00		
	12777	12777					
443	Subgrade Exc	0	0	0	1.00		
	0	0					
444	Subsoil Exc	0	0	0	1.00		
	0	0					
445	Fill	4	4	4	1.00	11602	
	1175	1175					
446	TOPSOIL						
447	Common Exc	239	225	225	1.00		
	6303	6303					
448	Subgrade Exc	0	0	0	1.00		
	0	0					
449	Subsoil Exc	4	4	4	1.00		
	864	864					
450	Fill	0	0	0	1.00	11602	
	0	0					
451	Mass ordinate for TOPSOIL = 7167						
452							
453	404+50.00 EARTH						
454	Common Exc	472	508	508	1.00		
	13285	13285					
455	Subgrade Exc	0	0	0	1.00		
	0	0					
456	Subsoil Exc	0	0	0	1.00		
	0	0					
457	Fill	4	4	4	1.00	12106	
	1179	1179					
458	TOPSOIL						
459	Common Exc	236	220	220	1.00		
	6523	6523					
460	Subgrade Exc	0	0	0	1.00		
	0	0					
461	Subsoil Exc	4	4	4	1.00		
	868	868					
462	Fill	0	0	0	1.00	12106	
	0	0					
463	Mass ordinate for TOPSOIL = 7391						
464							
465	404+75.00 EARTH						

466		Common Exc	451	427	427	1.00	
		13712	13712				
467		Subgrade Exc	0	0	0	1.00	
		0	0				
468		Subsoil Exc	0	0	0	1.00	
		0	0				
469		Fill	7	5	5	1.00	12528
		1184	1184				
470		TOPSOIL					
471		Common Exc	236	219	219	1.00	
		6742	6742				
472		Subgrade Exc	0	0	0	1.00	
		0	0				
473		Subsoil Exc	7	5	5	1.00	
		873	873				
474		Fill	0	0	0	1.00	12528
		0	0				
475		Mass ordinate for TOPSOIL =	7615				
476							
477	405+00.00	EARTH					
478		Common Exc	433	409	409	1.00	
		14121	14121				
479		Subgrade Exc	0	0	0	1.00	
		0	0				
480		Subsoil Exc	0	0	0	1.00	
		0	0				
481		Fill	8	7	7	1.00	12930
		1191	1191				
482		TOPSOIL					
483		Common Exc	240	220	220	1.00	
		6962	6962				
484		Subgrade Exc	0	0	0	1.00	
		0	0				
485		Subsoil Exc	8	7	7	1.00	
		880	880				
486		Fill	0	0	0	1.00	12930
		0	0				
487		Mass ordinate for TOPSOIL =	7842				
488							
489	405+25.00	EARTH					
490		Common Exc	155	272	272	1.00	
		14393	14393				
491		Subgrade Exc	0	0	0	1.00	
		0	0				
492		Subsoil Exc	0	0	0	1.00	
		0	0				
493		Fill	4	6	6	1.00	13196
		1197	1197				
494		TOPSOIL					
495		Common Exc	160	185	185	1.00	
		7147	7147				
496		Subgrade Exc	0	0	0	1.00	
		0	0				
497		Subsoil Exc	4	6	6	1.00	
		886	886				
498		Fill	0	0	0	1.00	13196
		0	0				
499		Mass ordinate for TOPSOIL =	8033				
500							
501	405+50.00	EARTH					
502		Common Exc	155	144	144	1.00	
		14537	14537				
503		Subgrade Exc	0	0	0	1.00	
		0	0				
504		Subsoil Exc	0	0	0	1.00	
		0	0				

505		Fill	2	3	3	1.00	13337
		1200	1200				
506	TOPSOIL						
507	Common Exc	169	152	152	1.00		
	7299	7299					
508	Subgrade Exc	0	0	0	1.00		
	0	0					
509	Subsoil Exc	2	3	3	1.00		
	889	889					
510	Fill	0	0	0	1.00	13337	
	0	0					
511	Mass ordinate for TOPSOIL = 8188						
512							
513	405+75.00 EARTH						
514	Common Exc	172	151	151	1.00		
	14688	14688					
515	Subgrade Exc	0	0	0	1.00		
	0	0					
516	Subsoil Exc	0	0	0	1.00		
	0	0					
517	Fill	2	2	2	1.00	13486	
	1202	1202					
518	TOPSOIL						
519	Common Exc	175	159	159	1.00		
	7458	7458					
520	Subgrade Exc	0	0	0	1.00		
	0	0					
521	Subsoil Exc	2	2	2	1.00		
	891	891					
522	Fill	0	0	0	1.00	13486	
	0	0					
523	Mass ordinate for TOPSOIL = 8349						
524							
525	406+00.00 EARTH						
526	Common Exc	173	160	160	1.00		
	14848	14848					
527	Subgrade Exc	0	0	0	1.00		
	0	0					
528	Subsoil Exc	0	0	0	1.00		
	0	0					
529	Fill	2	2	2	1.00	13644	
	1204	1204					
530	TOPSOIL						
531	Common Exc	181	165	165	1.00		
	7623	7623					
532	Subgrade Exc	0	0	0	1.00		
	0	0					
533	Subsoil Exc	2	2	2	1.00		
	893	893					
534	Fill	0	0	0	1.00	13644	
	0	0					
535	Mass ordinate for TOPSOIL = 8516						
536							
537	406+25.00 EARTH						
538	Common Exc	160	154	154	1.00		
	15002	15002					
539	Subgrade Exc	0	0	0	1.00		
	0	0					
540	Subsoil Exc	0	0	0	1.00		
	0	0					
541	Fill	2	2	2	1.00	13796	
	1206	1206					
542	TOPSOIL						
543	Common Exc	188	171	171	1.00		
	7794	7794					
544	Subgrade Exc	0	0	0	1.00		

			0	0				
545		Subsoil Exc	895	895	2	2	2	1.00
546		Fill	0	0	0	0	0	1.00
547			0	0				
548		Mass ordinate for TOPSOIL =	8689					
549	406+50.00	EARTH						
550		Common Exc	15140	15140	138	138	138	1.00
551		Subgrade Exc	0	0	0	0	0	1.00
552		Subsoil Exc	0	0	0	0	0	1.00
553		Fill	1211	1211	8	5	5	1.00
554		TOPSOIL						
555		Common Exc	7967	7967	186	173	173	1.00
556		Subgrade Exc	0	0	0	0	0	1.00
557		Subsoil Exc	900	900	8	5	5	1.00
558		Fill	0	0	0	0	0	1.00
559		Mass ordinate for TOPSOIL =	8867					
560								
561	406+75.00	EARTH						
562		Common Exc	15253	15253	105	113	113	1.00
563		Subgrade Exc	0	0	0	0	0	1.00
564		Subsoil Exc	0	0	0	0	0	1.00
565		Fill	1228	1228	29	17	17	1.00
566		TOPSOIL						
567		Common Exc	8130	8130	165	163	163	1.00
568		Subgrade Exc	0	0	0	0	0	1.00
569		Subsoil Exc	917	917	29	17	17	1.00
570		Fill	0	0	0	0	0	1.00
571		Mass ordinate for TOPSOIL =	9047					
572								
573	407+00.00	EARTH						
574		Common Exc	15334	15334	69	81	81	1.00
575		Subgrade Exc	0	0	0	0	0	1.00
576		Subsoil Exc	0	0	0	0	0	1.00
577		Fill	1271	1271	63	43	43	1.00
578		TOPSOIL						
579		Common Exc	8267	8267	131	137	137	1.00
580		Subgrade Exc	0	0	0	0	0	1.00
581		Subsoil Exc	960	960	63	43	43	1.00
582		Fill	0	0	0	0	0	1.00
583		Mass ordinate for TOPSOIL =	9227					

584							
585	407+25.00	EARTH					
586		Common Exc	41	51	51	1.00	
		15385	15385				
587		Subgrade Exc	0	0	0	1.00	
		0	0				
588		Subsoil Exc	0	0	0	1.00	
		0	0				
589		Fill	111	81	81	1.00	14033
		1352	1352				
590		TOPSOIL					
591		Common Exc	88	101	101	1.00	
		8368	8368				
592		Subgrade Exc	0	0	0	1.00	
		0	0				
593		Subsoil Exc	107	79	79	1.00	
		1039	1039				
594		Fill	0	0	0	1.00	14033
		0	0				
595		Mass ordinate for TOPSOIL =	9407				
596							
597	407+50.00	EARTH					
598		Common Exc	15	26	26	1.00	
		15411	15411				
599		Subgrade Exc	0	0	0	1.00	
		0	0				
600		Subsoil Exc	0	0	0	1.00	
		0	0				
601		Fill	180	135	135	1.00	13924
		1487	1487				
602		TOPSOIL					
603		Common Exc	57	67	67	1.00	
		8435	8435				
604		Subgrade Exc	0	0	0	1.00	
		0	0				
605		Subsoil Exc	143	116	116	1.00	
		1155	1155				
606		Fill	0	0	0	1.00	13924
		0	0				
607		Mass ordinate for TOPSOIL =	9590				
608							
609	407+69.45	EARTH					
610		Common Exc	7	8	8	1.00	
		15419	15419				
611		Subgrade Exc	0	0	0	1.00	
		0	0				
612		Subsoil Exc	0	0	0	1.00	
		0	0				
613		Fill	277	165	165	1.00	13767
		1652	1652				
614		TOPSOIL					
615		Common Exc	31	32	32	1.00	
		8467	8467				
616		Subgrade Exc	0	0	0	1.00	
		0	0				
617		Subsoil Exc	170	113	113	1.00	
		1268	1268				
618		Fill	0	0	0	1.00	13767
		0	0				
619		Mass ordinate for TOPSOIL =	9735				
620							
621	407+75.00	EARTH					
622		Common Exc	5	1	1	1.00	
		15420	15420				
623		Subgrade Exc	0	0	0	1.00	
		0	0				

624		Subsoil Exc	0	0	0	1.00	
		0	0				
625		Fill	304	60	60	1.00	13708
		1712	1712				
626		TOPSOIL					
627		Common Exc	27	6	6	1.00	
		8473	8473				
628		Subgrade Exc	0	0	0	1.00	
		0	0				
629		Subsoil Exc	174	35	35	1.00	
		1303	1303				
630		Fill	0	0	0	1.00	13708
		0	0				
631		Mass ordinate for TOPSOIL = 9776					
632							
633	408+00.00	EARTH					
634		Common Exc	1	3	3	1.00	
		15423	15423				
635		Subgrade Exc	0	0	0	1.00	
		0	0				
636		Subsoil Exc	0	0	0	1.00	
		0	0				
637		Fill	423	337	337	1.00	13374
		2049	2049				
638		TOPSOIL					
639		Common Exc	13	19	19	1.00	
		8492	8492				
640		Subgrade Exc	0	0	0	1.00	
		0	0				
641		Subsoil Exc	187	167	167	1.00	
		1470	1470				
642		Fill	0	0	0	1.00	13374
		0	0				
643		Mass ordinate for TOPSOIL = 9962					
644							
645	408+25.00	EARTH					
646		Common Exc	0	0	0	1.00	
		15423	15423				
647		Subgrade Exc	0	0	0	1.00	
		0	0				
648		Subsoil Exc	0	0	0	1.00	
		0	0				
649		Fill	557	454	454	1.00	12920
		2503	2503				
650		TOPSOIL					
651		Common Exc	4	8	8	1.00	
		8500	8500				
652		Subgrade Exc	0	0	0	1.00	
		0	0				
653		Subsoil Exc	195	177	177	1.00	
		1647	1647				
654		Fill	0	0	0	1.00	12920
		0	0				
655		Mass ordinate for TOPSOIL = 10147					
656							
657	408+50.00	EARTH					
658		Common Exc	0	0	0	1.00	
		15423	15423				
659		Subgrade Exc	0	0	0	1.00	
		0	0				
660		Subsoil Exc	0	0	0	1.00	
		0	0				
661		Fill	760	610	610	1.00	12310
		3113	3113				
662		TOPSOIL					
663		Common Exc	1	2	2	1.00	

664	8502	8502					
	Subgrade Exc		0	0	0	1.00	
665	0	0					
	Subsoil Exc		206	186	186	1.00	
	1833	1833					
666	Fill		0	0	0	1.00	12310
	0	0					
667	Mass ordinate for TOPSOIL = 10335						
668							
669	408+75.00 EARTH						
670	Common Exc		0	0	0	1.00	
	15423	15423					
671	Subgrade Exc		0	0	0	1.00	
	0	0					
672	Subsoil Exc		0	0	0	1.00	
	0	0					
673	Fill		938	786	786	1.00	11524
	3899	3899					
674	TOPSOIL						
675	Common Exc		0	0	0	1.00	
	8502	8502					
676	Subgrade Exc		0	0	0	1.00	
	0	0					
677	Subsoil Exc		213	194	194	1.00	
	2027	2027					
678	Fill		0	0	0	1.00	11524
	0	0					
679	Mass ordinate for TOPSOIL = 10529						
680							
681	409+00.00 EARTH						
682	Common Exc		0	0	0	1.00	
	15423	15423					
683	Subgrade Exc		0	0	0	1.00	
	0	0					
684	Subsoil Exc		0	0	0	1.00	
	0	0					
685	Fill		802	806	806	1.00	10718
	4705	4705					
686	TOPSOIL						
687	Common Exc		0	0	0	1.00	
	8502	8502					
688	Subgrade Exc		0	0	0	1.00	
	0	0					
689	Subsoil Exc		156	171	171	1.00	
	2198	2198					
690	Fill		0	0	0	1.00	10718
	0	0					
691	Mass ordinate for TOPSOIL = 10700						
692							
693	409+50.00 EARTH						
694	Common Exc		0	0	0	1.00	
	15423	15423					
695	Subgrade Exc		0	0	0	1.00	
	0	0					
696	Subsoil Exc		0	0	0	1.00	
	0	0					
697	Fill		1023	1690	1690	1.00	9028
	6395	6395					
698	TOPSOIL						
699	Common Exc		0	0	0	1.00	
	8502	8502					
700	Subgrade Exc		0	0	0	1.00	
	0	0					
701	Subsoil Exc		165	297	297	1.00	
	2495	2495					
702	Fill		0	0	0	1.00	9028

703		0	0				
704		Mass ordinate for TOPSOIL = 10997					
705	410+00.00	EARTH					
706		Common Exc	0	0	0	1.00	
		15423	15423				
707		Subgrade Exc	0	0	0	1.00	
		0	0				
708		Subsoil Exc	0	0	0	1.00	
		0	0				
709		Fill	1242	2097	2097	1.00	6931
		8492	8492				
710		TOPSOIL					
711		Common Exc	0	0	0	1.00	
		8502	8502				
712		Subgrade Exc	0	0	0	1.00	
		0	0				
713		Subsoil Exc	180	319	319	1.00	
		2814	2814				
714		Fill	0	0	0	1.00	6931
		0	0				
715		Mass ordinate for TOPSOIL = 11316					
716							
717	410+50.00	EARTH					
718		Common Exc	0	0	0	1.00	
		15423	15423				
719		Subgrade Exc	0	0	0	1.00	
		0	0				
720		Subsoil Exc	0	0	0	1.00	
		0	0				
721		Fill	1405	2451	2451	1.00	4480
		10943	10943				
722		TOPSOIL					
723		Common Exc	0	0	0	1.00	
		8502	8502				
724		Subgrade Exc	0	0	0	1.00	
		0	0				
725		Subsoil Exc	190	343	343	1.00	
		3157	3157				
726		Fill	0	0	0	1.00	4480
		0	0				
727		Mass ordinate for TOPSOIL = 11659					
728							
729	411+00.00	EARTH					
730		Common Exc	0	0	0	1.00	
		15423	15423				
731		Subgrade Exc	0	0	0	1.00	
		0	0				
732		Subsoil Exc	0	0	0	1.00	
		0	0				
733		Fill	1392	2590	2590	1.00	1890
		13533	13533				
734		TOPSOIL					
735		Common Exc	0	0	0	1.00	
		8502	8502				
736		Subgrade Exc	0	0	0	1.00	
		0	0				
737		Subsoil Exc	191	353	353	1.00	
		3510	3510				
738		Fill	0	0	0	1.00	1890
		0	0				
739		Mass ordinate for TOPSOIL = 12012					
740							
741	411+50.00	EARTH					
742		Common Exc	3	3	3	1.00	
		15426	15426				

743		Subgrade Exc	0	0	0	1.00	
		0	0				
744		Subsoil Exc	0	0	0	1.00	
		0	0				
745		Fill	1460	2641	2641	1.00	-748
		16174	16174				
746		TOPSOIL					
747		Common Exc	8	7	7	1.00	
		8509	8509				
748		Subgrade Exc	0	0	0	1.00	
		0	0				
749		Subsoil Exc	199	361	361	1.00	
		3871	3871				
750		Fill	0	0	0	1.00	-748
		0	0				
751		Mass ordinate for TOPSOIL = 12380					
752							
753	412+00.00	EARTH					
754		Common Exc	36	36	36	1.00	
		15462	15462				
755		Subgrade Exc	0	0	0	1.00	
		0	0				
756		Subsoil Exc	0	0	0	1.00	
		0	0				
757		Fill	1590	2824	2824	1.00	-3536
		18998	18998				
758		TOPSOIL					
759		Common Exc	19	25	25	1.00	
		8534	8534				
760		Subgrade Exc	0	0	0	1.00	
		0	0				
761		Subsoil Exc	205	374	374	1.00	
		4245	4245				
762		Fill	0	0	0	1.00	-3536
		0	0				
763		Mass ordinate for TOPSOIL = 12779					
764							
765	412+50.00	EARTH					
766		Common Exc	107	132	132	1.00	
		15594	15594				
767		Subgrade Exc	0	0	0	1.00	
		0	0				
768		Subsoil Exc	0	0	0	1.00	
		0	0				
769		Fill	1712	3057	3057	1.00	-6461
		22055	22055				
770		TOPSOIL					
771		Common Exc	32	47	47	1.00	
		8581	8581				
772		Subgrade Exc	0	0	0	1.00	
		0	0				
773		Subsoil Exc	205	380	380	1.00	
		4625	4625				
774		Fill	0	0	0	1.00	-6461
		0	0				
775		Mass ordinate for TOPSOIL = 13206					
776							
777	413+00.00	EARTH					
778		Common Exc	155	243	243	1.00	
		15837	15837				
779		Subgrade Exc	0	0	0	1.00	
		0	0				
780		Subsoil Exc	0	0	0	1.00	
		0	0				
781		Fill	1882	3328	3328	1.00	-9546
		25383	25383				

782	TOPSOIL						
783	Common Exc	38	65	65	1.00		
	8646	8646					
784	Subgrade Exc	0	0	0	1.00		
	0	0					
785	Subsoil Exc	193	369	369	1.00		
	4994	4994					
786	Fill	0	0	0	1.00	-9546	
	0	0					
787	Mass ordinate for TOPSOIL = 13640						
788							
789	413+50.00 EARTH						
790	Common Exc	237	363	363	1.00		
	16200	16200					
791	Subgrade Exc	0	0	0	1.00		
	0	0					
792	Subsoil Exc	0	0	0	1.00		
	0	0					
793	Fill	2390	3956	3956	1.00	-13139	
	29339	29339					
794	TOPSOIL						
795	Common Exc	47	79	79	1.00		
	8725	8725					
796	Subgrade Exc	0	0	0	1.00		
	0	0					
797	Subsoil Exc	185	350	350	1.00		
	5344	5344					
798	Fill	0	0	0	1.00	-13139	
	0	0					
799	Mass ordinate for TOPSOIL = 14069						
800							
801	413+75.00 EARTH						
802	Common Exc	253	227	227	1.00		
	16427	16427					
803	Subgrade Exc	0	0	0	1.00		
	0	0					
804	Subsoil Exc	0	0	0	1.00		
	0	0					
805	Fill	4088	2999	2999	1.00	-15911	
	32338	32338					
806	TOPSOIL						
807	Common Exc	48	44	44	1.00		
	8769	8769					
808	Subgrade Exc	0	0	0	1.00		
	0	0					
809	Subsoil Exc	299	224	224	1.00		
	5568	5568					
810	Fill	0	0	0	1.00	-15911	
	0	0					
811	Mass ordinate for TOPSOIL = 14337						
812							
813	414+00.00 EARTH						
814	Common Exc	286	250	250	1.00		
	16677	16677					
815	Subgrade Exc	0	0	0	1.00		
	0	0					
816	Subsoil Exc	0	0	0	1.00		
	0	0					
817	Fill	4450	3953	3953	1.00	-19614	
	36291	36291					
818	TOPSOIL						
819	Common Exc	51	46	46	1.00		
	8815	8815					
820	Subgrade Exc	0	0	0	1.00		
	0	0					
821	Subsoil Exc	295	275	275	1.00		

822	5843	5843					
	Fill	0	0	0	1.00	-19614	
	0	0					
823	Mass ordinate for TOPSOIL = 14658						
824							
825	414+25.00 EARTH						
826	Common Exc	465	348	348	1.00		
	17025	17025					
827	Subgrade Exc	0	0	0	1.00		
	0	0					
828	Subsoil Exc	0	0	0	1.00		
	0	0					
829	Fill	4713	4242	4242	1.00	-23508	
	40533	40533					
830	TOPSOIL						
831	Common Exc	63	53	53	1.00		
	8868	8868					
832	Subgrade Exc	0	0	0	1.00		
	0	0					
833	Subsoil Exc	284	268	268	1.00		
	6111	6111					
834	Fill	0	0	0	1.00	-23508	
	0	0					
835	Mass ordinate for TOPSOIL = 14979						
836							
837	414+50.00 EARTH						
838	Common Exc	480	438	438	1.00		
	17463	17463					
839	Subgrade Exc	0	0	0	1.00		
	0	0					
840	Subsoil Exc	0	0	0	1.00		
	0	0					
841	Fill	5040	4515	4515	1.00	-27585	
	45048	45048					
842	TOPSOIL						
843	Common Exc	62	58	58	1.00		
	8926	8926					
844	Subgrade Exc	0	0	0	1.00		
	0	0					
845	Subsoil Exc	284	263	263	1.00		
	6374	6374					
846	Fill	0	0	0	1.00	-27585	
	0	0					
847	Mass ordinate for TOPSOIL = 15300						
848							
849	414+75.00 EARTH						
850	Common Exc	435	424	424	1.00		
	17887	17887					
851	Subgrade Exc	0	0	0	1.00		
	0	0					
852	Subsoil Exc	0	0	0	1.00		
	0	0					
853	Fill	5037	4665	4665	1.00	-31826	
	49713	49713					
854	TOPSOIL						
855	Common Exc	54	54	54	1.00		
	8980	8980					
856	Subgrade Exc	0	0	0	1.00		
	0	0					
857	Subsoil Exc	262	253	253	1.00		
	6627	6627					
858	Fill	0	0	0	1.00	-31826	
	0	0					
859	Mass ordinate for TOPSOIL = 15607						
860							
861	415+00.00 EARTH						

862		Common	Exc	555	458	458	1.00	
		18345		18345				
863		Subgrade	Exc	0	0	0	1.00	
		0	0					
864		Subsoil	Exc	0	0	0	1.00	
		0	0					
865		Fill		5237	4756	4756	1.00	-36124
		54469		54469				
866		TOPSOIL						
867		Common	Exc	62	54	54	1.00	
		9034		9034				
868		Subgrade	Exc	0	0	0	1.00	
		0	0					
869		Subsoil	Exc	256	240	240	1.00	
		6867		6867				
870		Fill		0	0	0	1.00	-36124
		0		0				
871		Mass ordinate for TOPSOIL = 15901						
872								
873	415+25.00	EARTH						
874		Common	Exc	629	548	548	1.00	
		18893		18893				
875		Subgrade	Exc	0	0	0	1.00	
		0	0					
876		Subsoil	Exc	0	0	0	1.00	
		0	0					
877		Fill		5396	4923	4923	1.00	-40499
		59392		59392				
878		TOPSOIL						
879		Common	Exc	67	60	60	1.00	
		9094		9094				
880		Subgrade	Exc	0	0	0	1.00	
		0	0					
881		Subsoil	Exc	250	234	234	1.00	
		7101		7101				
882		Fill		0	0	0	1.00	-40499
		0		0				
883		Mass ordinate for TOPSOIL = 16195						
884								
885	415+50.00	EARTH						
886		Common	Exc	593	566	566	1.00	
		19459		19459				
887		Subgrade	Exc	0	0	0	1.00	
		0	0					
888		Subsoil	Exc	0	0	0	1.00	
		0	0					
889		Fill		5726	5149	5149	1.00	-45082
		64541		64541				
890		TOPSOIL						
891		Common	Exc	65	61	61	1.00	
		9155		9155				
892		Subgrade	Exc	0	0	0	1.00	
		0	0					
893		Subsoil	Exc	255	234	234	1.00	
		7335		7335				
894		Fill		0	0	0	1.00	-45082
		0		0				
895		Mass ordinate for TOPSOIL = 16490						
896								
897	416+00.00	EARTH						
898		Common	Exc	522	1032	1032	1.00	
		20491		20491				
899		Subgrade	Exc	0	0	0	1.00	
		0	0					
900		Subsoil	Exc	0	0	0	1.00	
		0	0					

901		Fill	5895	10760	10760	1.00	-54810	
		75301	75301					
902		TOPSOIL						
903		Common Exc	60	116	116	1.00		
		9271	9271					
904		Subgrade Exc	0	0	0	1.00		
		0	0					
905		Subsoil Exc	253	470	470	1.00		
		7805	7805					
906		Fill	0	0	0	1.00	-54810	
		0	0					
907		Mass ordinate for TOPSOIL = 17076						
908								
909	416+11.28	EARTH						
910		Common Exc	690	253	253	1.00		
		20744	20744					
911		Subgrade Exc	0	0	0	1.00		
		0	0					
912		Subsoil Exc	0	0	0	1.00		
		0	0					
913		Fill	6057	2497	2497	1.00	-57054	
		77798	77798					
914		TOPSOIL						
915		Common Exc	78	29	29	1.00		
		9300	9300					
916		Subgrade Exc	0	0	0	1.00		
		0	0					
917		Subsoil Exc	256	106	106	1.00		
		7911	7911					
918		Fill	0	0	0	1.00	-57054	
		0	0					
919		Mass ordinate for TOPSOIL = 17211						
920								
921	418+24.28	EARTH						
922		Common Exc	134	3250	3250	1.00		
		23994	23994					
923		Subgrade Exc	0	0	0	1.00		
		0	0					
924		Subsoil Exc	0	0	0	1.00		
		0	0					
925		Fill	6445	49313	49313	1.00	-103117	127111
		127111						
926		TOPSOIL						
927		Common Exc	47	493	493	1.00		
		9793	9793					
928		Subgrade Exc	0	0	0	1.00		
		0	0					
929		Subsoil Exc	289	2150	2150	1.00		
		10061	10061					
930		Fill	0	0	0	1.00	-103117	
		0	0					
931		Mass ordinate for TOPSOIL = 19854						
932								
933	418+50.00	EARTH						
934		Common Exc	70	97	97	1.00		
		24091	24091					
935		Subgrade Exc	0	0	0	1.00		
		0	0					
936		Subsoil Exc	0	0	0	1.00		
		0	0					
937		Fill	6616	6221	6221	1.00	-109241	133332
		133332						
938		TOPSOIL						
939		Common Exc	46	44	44	1.00		
		9837	9837					
940		Subgrade Exc	0	0	0	1.00		

941		0	Subsoil Exc	291	276	276	1.00		
		10337		10337					
942			Fill	0	0	0	1.00	-109241	
		0		0					
943			Mass ordinate for TOPSOIL = 20174						
944									
945	419+00.00		EARTH						
946			Common Exc	94	152	152	1.00		
		24243		24243					
947			Subgrade Exc	0	0	0	1.00		
		0		0					
948			Subsoil Exc	0	0	0	1.00		
		0		0					
949			Fill	6327	11984	11984	1.00	-121073	145316
				145316					
950			TOPSOIL						
951			Common Exc	44	83	83	1.00		
		9920		9920					
952			Subgrade Exc	0	0	0	1.00		
		0		0					
953			Subsoil Exc	284	532	532	1.00		
		10869		10869					
954			Fill	0	0	0	1.00	-121073	
		0		0					
955			Mass ordinate for TOPSOIL = 20789						
956									
957	419+50.00		EARTH						
958			Common Exc	0	87	87	1.00		
		24330		24330					
959			Subgrade Exc	0	0	0	1.00		
		0		0					
960			Subsoil Exc	0	0	0	1.00		
		0		0					
961			Fill	5945	11363	11363	1.00	-132349	156679
				156679					
962			TOPSOIL						
963			Common Exc	0	41	41	1.00		
		9961		9961					
964			Subgrade Exc	0	0	0	1.00		
		0		0					
965			Subsoil Exc	276	519	519	1.00		
		11388		11388					
966			Fill	0	0	0	1.00	-132349	
		0		0					
967			Mass ordinate for TOPSOIL = 21349						
968									
969	420+00.00		EARTH						
970			Common Exc	0	0	0	1.00		
		24330		24330					
971			Subgrade Exc	0	0	0	1.00		
		0		0					
972			Subsoil Exc	0	0	0	1.00		
		0		0					
973			Fill	5521	10617	10617	1.00	-142966	167296
				167296					
974			TOPSOIL						
975			Common Exc	0	0	0	1.00		
		9961		9961					
976			Subgrade Exc	0	0	0	1.00		
		0		0					
977			Subsoil Exc	268	504	504	1.00		
		11892		11892					
978			Fill	0	0	0	1.00	-142966	
		0		0					
979			Mass ordinate for TOPSOIL = 21853						

980									
981	420+50.00	EARTH							
982		Common Exc	0	0	0	1.00			
		24330	24330						
983		Subgrade Exc	0	0	0	1.00			
		0	0						
984		Subsoil Exc	0	0	0	1.00			
		0	0						
985		Fill	5135	9867	9867	1.00	-152833	177163	
		177163							
986		TOPSOIL							
987		Common Exc	0	0	0	1.00			
		9961	9961						
988		Subgrade Exc	0	0	0	1.00			
		0	0						
989		Subsoil Exc	261	490	490	1.00			
		12382	12382						
990		Fill	0	0	0	1.00	-152833		
		0	0						
991		Mass ordinate for TOPSOIL = 22343							
992									
993	421+00.00	EARTH							
994		Common Exc	0	0	0	1.00			
		24330	24330						
995		Subgrade Exc	0	0	0	1.00			
		0	0						
996		Subsoil Exc	0	0	0	1.00			
		0	0						
997		Fill	5141	9515	9515	1.00	-162348	186678	
		186678							
998		TOPSOIL							
999		Common Exc	0	0	0	1.00			
		9961	9961						
1000		Subgrade Exc	0	0	0	1.00			
		0	0						
1001		Subsoil Exc	267	489	489	1.00			
		12871	12871						
1002		Fill	0	0	0	1.00	-162348		
		0	0						
1003		Mass ordinate for TOPSOIL = 22832							
1004									
1005	421+50.00	EARTH							
1006		Common Exc	0	0	0	1.00			
		24330	24330						
1007		Subgrade Exc	0	0	0	1.00			
		0	0						
1008		Subsoil Exc	0	0	0	1.00			
		0	0						
1009		Fill	4714	9125	9125	1.00	-171473	195803	
		195803							
1010		TOPSOIL							
1011		Common Exc	0	0	0	1.00			
		9961	9961						
1012		Subgrade Exc	0	0	0	1.00			
		0	0						
1013		Subsoil Exc	256	484	484	1.00			
		13355	13355						
1014		Fill	0	0	0	1.00	-171473		
		0	0						
1015		Mass ordinate for TOPSOIL = 23316							
1016									
1017	422+00.00	EARTH							
1018		Common Exc	0	0	0	1.00			
		24330	24330						
1019		Subgrade Exc	0	0	0	1.00			
		0	0						

1020		Subsoil Exc	0	0	0	1.00		
		0	0					
1021		Fill	4189	8244	8244	1.00	-179717	204047
		204047						
1022		TOPSOIL						
1023		Common Exc	0	0	0	1.00		
		9961	9961					
1024		Subgrade Exc	0	0	0	1.00		
		0	0					
1025		Subsoil Exc	245	464	464	1.00		
		13819	13819					
1026		Fill	0	0	0	1.00	-179717	
		0	0					
1027		Mass ordinate for TOPSOIL = 23780						
1028								
1029	422+50.00	EARTH						
1030		Common Exc	0	0	0	1.00		
		24330	24330					
1031		Subgrade Exc	0	0	0	1.00		
		0	0					
1032		Subsoil Exc	0	0	0	1.00		
		0	0					
1033		Fill	4157	7728	7728	1.00	-187445	211775
		211775						
1034		TOPSOIL						
1035		Common Exc	0	0	0	1.00		
		9961	9961					
1036		Subgrade Exc	0	0	0	1.00		
		0	0					
1037		Subsoil Exc	233	443	443	1.00		
		14262	14262					
1038		Fill	0	0	0	1.00	-187445	
		0	0					
1039		Mass ordinate for TOPSOIL = 24223						
1040								
1041	423+00.00	EARTH						
1042		Common Exc	0	0	0	1.00		
		24330	24330					
1043		Subgrade Exc	0	0	0	1.00		
		0	0					
1044		Subsoil Exc	0	0	0	1.00		
		0	0					
1045		Fill	4713	8213	8213	1.00	-195658	219988
		219988						
1046		TOPSOIL						
1047		Common Exc	0	0	0	1.00		
		9961	9961					
1048		Subgrade Exc	0	0	0	1.00		
		0	0					
1049		Subsoil Exc	229	428	428	1.00		
		14690	14690					
1050		Fill	0	0	0	1.00	-195658	
		0	0					
1051		Mass ordinate for TOPSOIL = 24651						
1052								
1053	423+50.00	EARTH						
1054		Common Exc	0	0	0	1.00		
		24330	24330					
1055		Subgrade Exc	0	0	0	1.00		
		0	0					
1056		Subsoil Exc	0	0	0	1.00		
		0	0					
1057		Fill	5002	8995	8995	1.00	-204653	228983
		228983						
1058		TOPSOIL						
1059		Common Exc	0	0	0	1.00		

1060	9961	9961					
	Subgrade	Exc	0	0	0	1.00	
	0	0					
1061	Subsoil	Exc	229	424	424	1.00	
	15114	15114					
1062	Fill		0	0	0	1.00	-204653
	0	0					
1063	Mass ordinate for TOPSOIL = 25075						
1064							
1065	424+00.00	EARTH					
1066	Common	Exc	0	0	0	1.00	
	24330	24330					
1067	Subgrade	Exc	0	0	0	1.00	
	0	0					
1068	Subsoil	Exc	0	0	0	1.00	
	0	0					
1069	Fill		4425	8729	8729	1.00	-213382 237712
	237712						
1070	TOPSOIL						
1071	Common	Exc	0	0	0	1.00	
	9961	9961					
1072	Subgrade	Exc	0	0	0	1.00	
	0	0					
1073	Subsoil	Exc	236	431	431	1.00	
	15545	15545					
1074	Fill		0	0	0	1.00	-213382
	0	0					
1075	Mass ordinate for TOPSOIL = 25506						
1076							
1077	424+50.00	EARTH					
1078	Common	Exc	0	0	0	1.00	
	24330	24330					
1079	Subgrade	Exc	0	0	0	1.00	
	0	0					
1080	Subsoil	Exc	0	0	0	1.00	
	0	0					
1081	Fill		3247	7104	7104	1.00	-220486 244816
	244816						
1082	TOPSOIL						
1083	Common	Exc	0	0	0	1.00	
	9961	9961					
1084	Subgrade	Exc	0	0	0	1.00	
	0	0					
1085	Subsoil	Exc	223	425	425	1.00	
	15970	15970					
1086	Fill		0	0	0	1.00	-220486
	0	0					
1087	Mass ordinate for TOPSOIL = 25931						
1088							
1089	425+00.00	EARTH					
1090	Common	Exc	0	0	0	1.00	
	24330	24330					
1091	Subgrade	Exc	0	0	0	1.00	
	0	0					
1092	Subsoil	Exc	0	0	0	1.00	
	0	0					
1093	Fill		2478	5301	5301	1.00	-225787 250117
	250117						
1094	TOPSOIL						
1095	Common	Exc	0	0	0	1.00	
	9961	9961					
1096	Subgrade	Exc	0	0	0	1.00	
	0	0					
1097	Subsoil	Exc	203	394	394	1.00	
	16364	16364					
1098	Fill		0	0	0	1.00	-225787

1099	0	0	Mass ordinate for TOPSOIL = 26325				
1100							
1101	425+50.00	EARTH					
1102		Common Exc	0	0	0	1.00	
		24330	24330				
1103		Subgrade Exc	0	0	0	1.00	
		0	0				
1104		Subsoil Exc	0	0	0	1.00	
		0	0				
1105		Fill	2149	4284	4284	1.00	-230071 254401
		254401					
1106		TOPSOIL					
1107		Common Exc	0	0	0	1.00	
		9961	9961				
1108		Subgrade Exc	0	0	0	1.00	
		0	0				
1109		Subsoil Exc	192	366	366	1.00	
		16730	16730				
1110		Fill	0	0	0	1.00	-230071
		0	0				
1111		Mass ordinate for TOPSOIL = 26691					
1112							
1113	425+75.00	EARTH					
1114		Common Exc	0	0	0	1.00	
		24330	24330				
1115		Subgrade Exc	0	0	0	1.00	
		0	0				
1116		Subsoil Exc	0	0	0	1.00	
		0	0				
1117		Fill	2622	2209	2209	1.00	-232280 256610
		256610					
1118		TOPSOIL					
1119		Common Exc	0	0	0	1.00	
		9961	9961				
1120		Subgrade Exc	0	0	0	1.00	
		0	0				
1121		Subsoil Exc	266	212	212	1.00	
		16942	16942				
1122		Fill	0	0	0	1.00	-232280
		0	0				
1123		Mass ordinate for TOPSOIL = 26903					
1124							
1125	426+00.00	EARTH					
1126		Common Exc	0	0	0	1.00	
		24330	24330				
1127		Subgrade Exc	0	0	0	1.00	
		0	0				
1128		Subsoil Exc	0	0	0	1.00	
		0	0				
1129		Fill	2363	2308	2308	1.00	-234588 258918
		258918					
1130		TOPSOIL					
1131		Common Exc	0	0	0	1.00	
		9961	9961				
1132		Subgrade Exc	0	0	0	1.00	
		0	0				
1133		Subsoil Exc	256	242	242	1.00	
		17184	17184				
1134		Fill	0	0	0	1.00	-234588
		0	0				
1135		Mass ordinate for TOPSOIL = 27145					
1136							
1137	426+25.00	EARTH					
1138		Common Exc	0	0	0	1.00	
		24330	24330				

1139		Subgrade Exc	0	0	0	1.00		
		0	0					
1140		Subsoil Exc	0	0	0	1.00		
		0	0					
1141		Fill	2105	2069	2069	1.00	-236657	260987
		260987						
1142		TOPSOIL						
1143		Common Exc	0	0	0	1.00		
		9961	9961					
1144		Subgrade Exc	0	0	0	1.00		
		0	0					
1145		Subsoil Exc	245	232	232	1.00		
		17416	17416					
1146		Fill	0	0	0	1.00	-236657	
		0	0					
1147		Mass ordinate for TOPSOIL = 27377						
1148								
1149	426+50.00	EARTH						
1150		Common Exc	0	0	0	1.00		
		24330	24330					
1151		Subgrade Exc	0	0	0	1.00		
		0	0					
1152		Subsoil Exc	0	0	0	1.00		
		0	0					
1153		Fill	1711	1767	1767	1.00	-238424	262754
		262754						
1154		TOPSOIL						
1155		Common Exc	0	0	0	1.00		
		9961	9961					
1156		Subgrade Exc	0	0	0	1.00		
		0	0					
1157		Subsoil Exc	230	220	220	1.00		
		17636	17636					
1158		Fill	0	0	0	1.00	-238424	
		0	0					
1159		Mass ordinate for TOPSOIL = 27597						
1160								
1161	426+75.00	EARTH						
1162		Common Exc	0	0	0	1.00		
		24330	24330					
1163		Subgrade Exc	0	0	0	1.00		
		0	0					
1164		Subsoil Exc	0	0	0	1.00		
		0	0					
1165		Fill	1451	1464	1464	1.00	-239888	264218
		264218						
1166		TOPSOIL						
1167		Common Exc	0	0	0	1.00		
		9961	9961					
1168		Subgrade Exc	0	0	0	1.00		
		0	0					
1169		Subsoil Exc	219	208	208	1.00		
		17844	17844					
1170		Fill	0	0	0	1.00	-239888	
		0	0					
1171		Mass ordinate for TOPSOIL = 27805						
1172								
1173	426+82.22	EARTH						
1174		Common Exc	0	0	0	1.00		
		24330	24330					
1175		Subgrade Exc	0	0	0	1.00		
		0	0					
1176		Subsoil Exc	0	0	0	1.00		
		0	0					
1177		Fill	1409	382	382	1.00	-240270	264600
		264600						

1178	TOPSOIL							
1179	Common Exc	0	0	0	1.00			
	9961	9961						
1180	Subgrade Exc	0	0	0	1.00			
	0	0						
1181	Subsoil Exc	217	58	58	1.00			
	17902	17902						
1182	Fill	0	0	0	1.00	-240270		
	0	0						
1183	Mass ordinate for TOPSOIL = 27863							
1184								
1185	427+00.00 EARTH							
1186	Common Exc	0	0	0	1.00			
	24330	24330						
1187	Subgrade Exc	0	0	0	1.00			
	0	0						
1188	Subsoil Exc	0	0	0	1.00			
	0	0						
1189	Fill	1354	910	910	1.00	-241180	265510	
	265510							
1190	TOPSOIL							
1191	Common Exc	0	0	0	1.00			
	9961	9961						
1192	Subgrade Exc	0	0	0	1.00			
	0	0						
1193	Subsoil Exc	222	145	145	1.00			
	18047	18047						
1194	Fill	0	0	0	1.00	-241180		
	0	0						
1195	Mass ordinate for TOPSOIL = 28008							
1196								
1197	427+25.00 EARTH							
1198	Common Exc	0	0	0	1.00			
	24330	24330						
1199	Subgrade Exc	0	0	0	1.00			
	0	0						
1200	Subsoil Exc	0	0	0	1.00			
	0	0						
1201	Fill	1221	1192	1192	1.00	-242372	266702	
	266702							
1202	TOPSOIL							
1203	Common Exc	0	0	0	1.00			
	9961	9961						
1204	Subgrade Exc	0	0	0	1.00			
	0	0						
1205	Subsoil Exc	214	202	202	1.00			
	18249	18249						
1206	Fill	0	0	0	1.00	-242372		
	0	0						
1207	Mass ordinate for TOPSOIL = 28210							
1208								
1209	427+50.00 EARTH							
1210	Common Exc	0	0	0	1.00			
	24330	24330						
1211	Subgrade Exc	0	0	0	1.00			
	0	0						
1212	Subsoil Exc	0	0	0	1.00			
	0	0						
1213	Fill	1073	1062	1062	1.00	-243434	267764	
	267764							
1214	TOPSOIL							
1215	Common Exc	0	0	0	1.00			
	9961	9961						
1216	Subgrade Exc	0	0	0	1.00			
	0	0						
1217	Subsoil Exc	203	193	193	1.00			

1218	18442	18442						
	Fill	0	0	0	0	1.00	-243434	
	0	0						
1219	Mass ordinate for TOPSOIL = 28403							
1220								
1221	427+75.00	EARTH						
1222	Common Exc	0	0	0	0	1.00		
	24330	24330						
1223	Subgrade Exc	0	0	0	0	1.00		
	0	0						
1224	Subsoil Exc	0	0	0	0	1.00		
	0	0						
1225	Fill	982	951	951	1.00	-244385	268715	
	268715							
1226	TOPSOIL							
1227	Common Exc	0	0	0	1.00			
	9961	9961						
1228	Subgrade Exc	0	0	0	1.00			
	0	0						
1229	Subsoil Exc	206	189	189	1.00			
	18631	18631						
1230	Fill	0	0	0	1.00	-244385		
	0	0						
1231	Mass ordinate for TOPSOIL = 28592							
1232								
1233	428+00.00	EARTH						
1234	Common Exc	0	0	0	1.00			
	24330	24330						
1235	Subgrade Exc	0	0	0	1.00			
	0	0						
1236	Subsoil Exc	0	0	0	1.00			
	0	0						
1237	Fill	863	854	854	1.00	-245239	269569	
	269569							
1238	TOPSOIL							
1239	Common Exc	0	0	0	1.00			
	9961	9961						
1240	Subgrade Exc	0	0	0	1.00			
	0	0						
1241	Subsoil Exc	199	188	188	1.00			
	18819	18819						
1242	Fill	0	0	0	1.00	-245239		
	0	0						
1243	Mass ordinate for TOPSOIL = 28780							
1244								
1245	428+25.00	EARTH						
1246	Common Exc	0	0	0	1.00			
	24330	24330						
1247	Subgrade Exc	0	0	0	1.00			
	0	0						
1248	Subsoil Exc	0	0	0	1.00			
	0	0						
1249	Fill	752	748	748	1.00	-245987	270317	
	270317							
1250	TOPSOIL							
1251	Common Exc	3	1	1	1.00			
	9962	9962						
1252	Subgrade Exc	0	0	0	1.00			
	0	0						
1253	Subsoil Exc	196	183	183	1.00			
	19002	19002						
1254	Fill	0	0	0	1.00	-245987		
	0	0						
1255	Mass ordinate for TOPSOIL = 28964							
1256								
1257	428+50.00	EARTH						

1258		Common Exc	0	0	0	1.00		
		24330	24330					
1259		Subgrade Exc	0	0	0	1.00		
		0	0					
1260		Subsoil Exc	0	0	0	1.00		
		0	0					
1261		Fill	681	663	663	1.00	-246650	270980
		270980						
1262		TOPSOIL						
1263		Common Exc	7	5	5	1.00		
		9967	9967					
1264		Subgrade Exc	0	0	0	1.00		
		0	0					
1265		Subsoil Exc	192	180	180	1.00		
		19182	19182					
1266		Fill	0	0	0	1.00	-246650	
		0	0					
1267		Mass ordinate for TOPSOIL =	29149					
1268								
1269	429+00.00	EARTH						
1270		Common Exc	3	3	3	1.00		
		24333	24333					
1271		Subgrade Exc	0	0	0	1.00		
		0	0					
1272		Subsoil Exc	0	0	0	1.00		
		0	0					
1273		Fill	578	1166	1166	1.00	-247813	272146
		272146						
1274		TOPSOIL						
1275		Common Exc	13	19	19	1.00		
		9986	9986					
1276		Subgrade Exc	0	0	0	1.00		
		0	0					
1277		Subsoil Exc	185	349	349	1.00		
		19531	19531					
1278		Fill	0	0	0	1.00	-247813	
		0	0					
1279		Mass ordinate for TOPSOIL =	29517					
1280								
1281	429+50.00	EARTH						
1282		Common Exc	5	7	7	1.00		
		24340	24340					
1283		Subgrade Exc	0	0	0	1.00		
		0	0					
1284		Subsoil Exc	0	0	0	1.00		
		0	0					
1285		Fill	526	1022	1022	1.00	-248828	273168
		273168						
1286		TOPSOIL						
1287		Common Exc	15	26	26	1.00		
		10012	10012					
1288		Subgrade Exc	0	0	0	1.00		
		0	0					
1289		Subsoil Exc	181	339	339	1.00		
		19870	19870					
1290		Fill	0	0	0	1.00	-248828	
		0	0					
1291		Mass ordinate for TOPSOIL =	29882					
1292								
1293	430+00.00	EARTH						
1294		Common Exc	1	6	6	1.00		
		24346	24346					
1295		Subgrade Exc	0	0	0	1.00		
		0	0					
1296		Subsoil Exc	0	0	0	1.00		
		0	0					

1297		Fill	603	1045	1045	1.00	-249867	274213
		274213						
1298	TOPSOIL							
1299	Common Exc	9	22	22	1.00			
	10034	10034						
1300	Subgrade Exc	0	0	0	1.00			
	0	0						
1301	Subsoil Exc	187	341	341	1.00			
	20211	20211						
1302	Fill	0	0	0	1.00	-249867		
	0	0						
1303	Mass ordinate for TOPSOIL = 30245							
1304								
1305	430+50.00 EARTH							
1306	Common Exc	0	1	1	1.00			
	24347	24347						
1307	Subgrade Exc	0	0	0	1.00			
	0	0						
1308	Subsoil Exc	0	0	0	1.00			
	0	0						
1309	Fill	702	1208	1208	1.00	-251074	275421	
	275421							
1310	TOPSOIL							
1311	Common Exc	3	11	11	1.00			
	10045	10045						
1312	Subgrade Exc	0	0	0	1.00			
	0	0						
1313	Subsoil Exc	193	352	352	1.00			
	20563	20563						
1314	Fill	0	0	0	1.00	-251074		
	0	0						
1315	Mass ordinate for TOPSOIL = 30608							
1316								
1317	431+00.00 EARTH							
1318	Common Exc	0	0	0	1.00			
	24347	24347						
1319	Subgrade Exc	0	0	0	1.00			
	0	0						
1320	Subsoil Exc	0	0	0	1.00			
	0	0						
1321	Fill	740	1335	1335	1.00	-252409	276756	
	276756							
1322	TOPSOIL							
1323	Common Exc	1	4	4	1.00			
	10049	10049						
1324	Subgrade Exc	0	0	0	1.00			
	0	0						
1325	Subsoil Exc	184	349	349	1.00			
	20912	20912						
1326	Fill	0	0	0	1.00	-252409		
	0	0						
1327	Mass ordinate for TOPSOIL = 30961							
1328								
1329	431+50.00 EARTH							
1330	Common Exc	0	0	0	1.00			
	24347	24347						
1331	Subgrade Exc	0	0	0	1.00			
	0	0						
1332	Subsoil Exc	0	0	0	1.00			
	0	0						
1333	Fill	924	1541	1541	1.00	-253950	278297	
	278297							
1334	TOPSOIL							
1335	Common Exc	0	1	1	1.00			
	10050	10050						
1336	Subgrade Exc	0	0	0	1.00			

1337		0	Subsoil Exc	187	344	344	1.00		
		21256		21256					
1338			Fill	0	0	0	1.00	-253950	
		0		0					
1339			Mass ordinate for TOPSOIL =	31306					
1340									
1341	432+00.00		EARTH						
1342			Common Exc	0	0	0	1.00		
		24347		24347					
1343			Subgrade Exc	0	0	0	1.00		
		0		0					
1344			Subsoil Exc	0	0	0	1.00		
		0		0					
1345			Fill	1085	1860	1860	1.00	-255810	280157
		280157							
1346			TOPSOIL						
1347			Common Exc	0	0	0	1.00		
		10050		10050					
1348			Subgrade Exc	0	0	0	1.00		
		0		0					
1349			Subsoil Exc	194	353	353	1.00		
		21609		21609					
1350			Fill	0	0	0	1.00	-255810	
		0		0					
1351			Mass ordinate for TOPSOIL =	31659					
1352									
1353	432+50.00		EARTH						
1354			Common Exc	0	0	0	1.00		
		24347		24347					
1355			Subgrade Exc	0	0	0	1.00		
		0		0					
1356			Subsoil Exc	0	0	0	1.00		
		0		0					
1357			Fill	1288	2197	2197	1.00	-258007	282354
		282354							
1358			TOPSOIL						
1359			Common Exc	0	0	0	1.00		
		10050		10050					
1360			Subgrade Exc	0	0	0	1.00		
		0		0					
1361			Subsoil Exc	206	370	370	1.00		
		21979		21979					
1362			Fill	0	0	0	1.00	-258007	
		0		0					
1363			Mass ordinate for TOPSOIL =	32029					
1364									
1365	433+00.00		EARTH						
1366			Common Exc	0	0	0	1.00		
		24347		24347					
1367			Subgrade Exc	0	0	0	1.00		
		0		0					
1368			Subsoil Exc	0	0	0	1.00		
		0		0					
1369			Fill	1589	2664	2664	1.00	-260671	285018
		285018							
1370			TOPSOIL						
1371			Common Exc	0	0	0	1.00		
		10050		10050					
1372			Subgrade Exc	0	0	0	1.00		
		0		0					
1373			Subsoil Exc	210	385	385	1.00		
		22364		22364					
1374			Fill	0	0	0	1.00	-260671	
		0		0					
1375			Mass ordinate for TOPSOIL =	32414					

1376									
1377	433+50.00	EARTH							
1378		Common Exc	0	0	0	1.00			
		24347	24347						
1379		Subgrade Exc	0	0	0	1.00			
		0	0						
1380		Subsoil Exc	0	0	0	1.00			
		0	0						
1381		Fill	2122	3436	3436	1.00	-264107	288454	
		288454							
1382		TOPSOIL							
1383		Common Exc	0	0	0	1.00			
		10050	10050						
1384		Subgrade Exc	0	0	0	1.00			
		0	0						
1385		Subsoil Exc	235	412	412	1.00			
		22776	22776						
1386		Fill	0	0	0	1.00	-264107		
		0	0						
1387		Mass ordinate for TOPSOIL =	32826						
1388									
1389	434+00.00	EARTH							
1390		Common Exc	0	0	0	1.00			
		24347	24347						
1391		Subgrade Exc	0	0	0	1.00			
		0	0						
1392		Subsoil Exc	0	0	0	1.00			
		0	0						
1393		Fill	2721	4484	4484	1.00	-268591	292938	
		292938							
1394		TOPSOIL							
1395		Common Exc	0	0	0	1.00			
		10050	10050						
1396		Subgrade Exc	0	0	0	1.00			
		0	0						
1397		Subsoil Exc	243	443	443	1.00			
		23219	23219						
1398		Fill	0	0	0	1.00	-268591		
		0	0						
1399		Mass ordinate for TOPSOIL =	33269						
1400									
1401	434+50.00	EARTH							
1402		Common Exc	0	0	0	1.00			
		24347	24347						
1403		Subgrade Exc	0	0	0	1.00			
		0	0						
1404		Subsoil Exc	0	0	0	1.00			
		0	0						
1405		Fill	3390	5658	5658	1.00	-274249	298596	
		298596							
1406		TOPSOIL							
1407		Common Exc	0	0	0	1.00			
		10050	10050						
1408		Subgrade Exc	0	0	0	1.00			
		0	0						
1409		Subsoil Exc	248	455	455	1.00			
		23674	23674						
1410		Fill	0	0	0	1.00	-274249		
		0	0						
1411		Mass ordinate for TOPSOIL =	33724						
1412									
1413	435+00.00	EARTH							
1414		Common Exc	0	0	0	1.00			
		24347	24347						
1415		Subgrade Exc	0	0	0	1.00			
		0	0						

1416	Subsoil Exc	0	0	0	1.00		
	0	0					
1417	Fill	4092	6928	6928	1.00	-281177	305524
	305524						
1418	TOPSOIL						
1419	Common Exc	0	0	0	1.00		
	10050	10050					
1420	Subgrade Exc	0	0	0	1.00		
	0	0					
1421	Subsoil Exc	262	472	472	1.00		
	24146	24146					
1422	Fill	0	0	0	1.00	-281177	
	0	0					
1423	Mass ordinate for TOPSOIL = 34196						
1424							
1425	435+50.00 EARTH						
1426	Common Exc	0	0	0	1.00		
	24347	24347					
1427	Subgrade Exc	0	0	0	1.00		
	0	0					
1428	Subsoil Exc	0	0	0	1.00		
	0	0					
1429	Fill	4744	8181	8181	1.00	-289358	313705
	313705						
1430	TOPSOIL						
1431	Common Exc	0	0	0	1.00		
	10050	10050					
1432	Subgrade Exc	0	0	0	1.00		
	0	0					
1433	Subsoil Exc	273	495	495	1.00		
	24641	24641					
1434	Fill	0	0	0	1.00	-289358	
	0	0					
1435	Mass ordinate for TOPSOIL = 34691						
1436							
1437	436+00.00 EARTH						
1438	Common Exc	0	0	0	1.00		
	24347	24347					
1439	Subgrade Exc	0	0	0	1.00		
	0	0					
1440	Subsoil Exc	0	0	0	1.00		
	0	0					
1441	Fill	4965	8990	8990	1.00	-298348	322695
	322695						
1442	TOPSOIL						
1443	Common Exc	0	0	0	1.00		
	10050	10050					
1444	Subgrade Exc	0	0	0	1.00		
	0	0					
1445	Subsoil Exc	256	490	490	1.00		
	25131	25131					
1446	Fill	0	0	0	1.00	-298348	
	0	0					
1447	Mass ordinate for TOPSOIL = 35181						
1448							
1449	436+50.00 EARTH						
1450	Common Exc	0	0	0	1.00		
	24347	24347					
1451	Subgrade Exc	0	0	0	1.00		
	0	0					
1452	Subsoil Exc	0	0	0	1.00		
	0	0					
1453	Fill	5447	9641	9641	1.00	-307989	332336
	332336						
1454	TOPSOIL						
1455	Common Exc	0	0	0	1.00		

	10050	10050						
1456	Subgrade Exc	0	0	0	0	1.00		
	0	0						
1457	Subsoil Exc	263	481	481	1.00			
	25612	25612						
1458	Fill	0	0	0	1.00	-307989		
	0	0						
1459	Mass ordinate for TOPSOIL = 35662							
1460								
1461	436+77.22 EARTH							
1462	Common Exc	0	0	0	1.00			
	24347	24347						
1463	Subgrade Exc	0	0	0	1.00			
	0	0						
1464	Subsoil Exc	0	0	0	1.00			
	0	0						
1465	Fill	5725	5632	5632	1.00	-313621	337968	
	337968							
1466	TOPSOIL							
1467	Common Exc	0	0	0	1.00			
	10050	10050						
1468	Subgrade Exc	0	0	0	1.00			
	0	0						
1469	Subsoil Exc	268	268	268	1.00			
	25880	25880						
1470	Fill	0	0	0	1.00	-313621		
	0	0						
1471	Mass ordinate for TOPSOIL = 35930							
1472								
1473	437+00.00 EARTH							
1474	Common Exc	0	0	0	1.00			
	24347	24347						
1475	Subgrade Exc	0	0	0	1.00			
	0	0						
1476	Subsoil Exc	0	0	0	1.00			
	0	0						
1477	Fill	5986	4940	4940	1.00	-318561	342908	
	342908							
1478	TOPSOIL							
1479	Common Exc	0	0	0	1.00			
	10050	10050						
1480	Subgrade Exc	0	0	0	1.00			
	0	0						
1481	Subsoil Exc	271	227	227	1.00			
	26107	26107						
1482	Fill	0	0	0	1.00	-318561		
	0	0						
1483	Mass ordinate for TOPSOIL = 36157							
1484								
1485	437+50.00 EARTH							
1486	Common Exc	0	0	0	1.00			
	24347	24347						
1487	Subgrade Exc	0	0	0	1.00			
	0	0						
1488	Subsoil Exc	0	0	0	1.00			
	0	0						
1489	Fill	6199	11282	11282	1.00	-329843	354190	
	354190							
1490	TOPSOIL							
1491	Common Exc	0	0	0	1.00			
	10050	10050						
1492	Subgrade Exc	0	0	0	1.00			
	0	0						
1493	Subsoil Exc	277	507	507	1.00			
	26614	26614						
1494	Fill	0	0	0	1.00	-329843		

1495	0	0	Mass ordinate for TOPSOIL = 36664				
1496							
1497	437+59.91	EARTH					
1498	Common Exc	0	0	0	1.00		
	24347	24347					
1499	Subgrade Exc	0	0	0	1.00		
	0	0					
1500	Subsoil Exc	0	0	0	1.00		
	0	0					
1501	Fill	6256	2286	2286	1.00	-332129	
	356476					356476	
1502	TOPSOIL						
1503	Common Exc	0	0	0	1.00		
	10050	10050					
1504	Subgrade Exc	0	0	0	1.00		
	0	0					
1505	Subsoil Exc	278	102	102	1.00		
	26716	26716					
1506	Fill	0	0	0	1.00	-332129	
	0	0					
1507	Mass ordinate for TOPSOIL = 36766						
1508							
1509	438+00.00	EARTH					
1510	Common Exc	0	0	0	1.00		
	24347	24347					
1511	Subgrade Exc	0	0	0	1.00		
	0	0					
1512	Subsoil Exc	0	0	0	1.00		
	0	0					
1513	Fill	6320	9337	9337	1.00	-341466	
	365813					365813	
1514	TOPSOIL						
1515	Common Exc	0	0	0	1.00		
	10050	10050					
1516	Subgrade Exc	0	0	0	1.00		
	0	0					
1517	Subsoil Exc	279	414	414	1.00		
	27130	27130					
1518	Fill	0	0	0	1.00	-341466	
	0	0					
1519	Mass ordinate for TOPSOIL = 37180						
1520							
1521	438+42.60	EARTH					
1522	Common Exc	0	0	0	1.00		
	24347	24347					
1523	Subgrade Exc	0	0	0	1.00		
	0	0					
1524	Subsoil Exc	0	0	0	1.00		
	0	0					
1525	Fill	6354	9998	9998	1.00	-351464	
	375811					375811	
1526	TOPSOIL						
1527	Common Exc	0	0	0	1.00		
	10050	10050					
1528	Subgrade Exc	0	0	0	1.00		
	0	0					
1529	Subsoil Exc	279	440	440	1.00		
	27570	27570					
1530	Fill	0	0	0	1.00	-351464	
	0	0					
1531	Mass ordinate for TOPSOIL = 37620						
1532							
1533	438+50.00	EARTH					
1534	Common Exc	0	0	0	1.00		
	24347	24347					

1535	Subgrade Exc	0	0	0	1.00		
	0	0					
1536	Subsoil Exc	0	0	0	1.00		
	0	0					
1537	Fill	5986	1691	1691	1.00	-353155	377502
	377502						
1538	TOPSOIL						
1539	Common Exc	0	0	0	1.00		
	10050	10050					
1540	Subgrade Exc	0	0	0	1.00		
	0	0					
1541	Subsoil Exc	253	73	73	1.00		
	27643	27643					
1542	Fill	0	0	0	1.00	-353155	
	0	0					
1543	Mass ordinate for TOPSOIL =	37693					
1544							
1545	439+00.00 EARTH						
1546	Common Exc	0	0	0	1.00		
	24347	24347					
1547	Subgrade Exc	0	0	0	1.00		
	0	0					
1548	Subsoil Exc	0	0	0	1.00		
	0	0					
1549	Fill	5956	11057	11057	1.00	-364212	388559
	388559						
1550	TOPSOIL						
1551	Common Exc	0	0	0	1.00		
	10050	10050					
1552	Subgrade Exc	0	0	0	1.00		
	0	0					
1553	Subsoil Exc	254	469	469	1.00		
	28112	28112					
1554	Fill	0	0	0	1.00	-364212	
	0	0					
1555	Mass ordinate for TOPSOIL =	38162					
1556							
1557	439+50.00 EARTH						
1558	Common Exc	0	0	0	1.00		
	24347	24347					
1559	Subgrade Exc	0	0	0	1.00		
	0	0					
1560	Subsoil Exc	0	0	0	1.00		
	0	0					
1561	Fill	5798	10883	10883	1.00	-375095	399442
	399442						
1562	TOPSOIL						
1563	Common Exc	0	0	0	1.00		
	10050	10050					
1564	Subgrade Exc	0	0	0	1.00		
	0	0					
1565	Subsoil Exc	254	470	470	1.00		
	28582	28582					
1566	Fill	0	0	0	1.00	-375095	
	0	0					
1567	Mass ordinate for TOPSOIL =	38632					
1568							
1569	439+74.91 EARTH						
1570	Common Exc	0	0	0	1.00		
	24347	24347					
1571	Subgrade Exc	0	0	0	1.00		
	0	0					
1572	Subsoil Exc	0	0	0	1.00		
	0	0					
1573	Fill	5650	5281	5281	1.00	-380376	404723
	404723						

1574	TOPSOIL							
1575	Common Exc	0	0	0	1.00			
	10050	10050						
1576	Subgrade Exc	0	0	0	1.00			
	0	0						
1577	Subsoil Exc	252	233	233	1.00			
	28815	28815						
1578	Fill	0	0	0	1.00	-380376		
	0	0						
1579	Mass ordinate for TOPSOIL = 38865							
1580								
1581	440+00.00 EARTH							
1582	Common Exc	0	0	0	1.00			
	24347	24347						
1583	Subgrade Exc	0	0	0	1.00			
	0	0						
1584	Subsoil Exc	0	0	0	1.00			
	0	0						
1585	Fill	5439	5152	5152	1.00	-385528	409875	
	409875							
1586	TOPSOIL							
1587	Common Exc	0	0	0	1.00			
	10050	10050						
1588	Subgrade Exc	0	0	0	1.00			
	0	0						
1589	Subsoil Exc	249	233	233	1.00			
	29048	29048						
1590	Fill	0	0	0	1.00	-385528		
	0	0						
1591	Mass ordinate for TOPSOIL = 39098							
1592								
1593	440+10.37 EARTH							
1594	Common Exc	0	0	0	1.00			
	24347	24347						
1595	Subgrade Exc	0	0	0	1.00			
	0	0						
1596	Subsoil Exc	0	0	0	1.00			
	0	0						
1597	Fill	5709	2141	2141	1.00	-387669	412016	
	412016							
1598	TOPSOIL							
1599	Common Exc	0	0	0	1.00			
	10050	10050						
1600	Subgrade Exc	0	0	0	1.00			
	0	0						
1601	Subsoil Exc	273	100	100	1.00			
	29148	29148						
1602	Fill	0	0	0	1.00	-387669		
	0	0						
1603	Mass ordinate for TOPSOIL = 39198							
1604								
1605	442+00.00 EARTH							
1606	Common Exc	0	0	0	1.00			
	24347	24347						
1607	Subgrade Exc	0	0	0	1.00			
	0	0						
1608	Subsoil Exc	0	0	0	1.00			
	0	0						
1609	Fill	3890	33708	33708	1.00	-421377	445724	
	445724							
1610	TOPSOIL							
1611	Common Exc	0	0	0	1.00			
	10050	10050						
1612	Subgrade Exc	0	0	0	1.00			
	0	0						
1613	Subsoil Exc	0	959	959	1.00			

1614	30107	30107						
	Fill	0	0	0	0	1.00	-421377	
	0	0						
1615	Mass ordinate for TOPSOIL = 40157							
1616								
1617	442+04.36	EARTH						
1618	Common Exc	0	0	0	0	1.00		
	24347	24347						
1619	Subgrade Exc	0	0	0	0	1.00		
	0	0						
1620	Subsoil Exc	0	0	0	0	1.00		
	0	0						
1621	Fill	3919	630	630	1.00	-422007	446354	
	446354							
1622	TOPSOIL							
1623	Common Exc	0	0	0	1.00			
	10050	10050						
1624	Subgrade Exc	0	0	0	1.00			
	0	0						
1625	Subsoil Exc	222	18	18	1.00			
	30125	30125						
1626	Fill	0	0	0	1.00	-422007		
	0	0						
1627	Mass ordinate for TOPSOIL = 40175							
1628								
1629	442+50.00	EARTH						
1630	Common Exc	0	0	0	1.00			
	24347	24347						
1631	Subgrade Exc	0	0	0	1.00			
	0	0						
1632	Subsoil Exc	0	0	0	1.00			
	0	0						
1633	Fill	3765	6494	6494	1.00	-428501	452848	
	452848							
1634	TOPSOIL							
1635	Common Exc	0	0	0	1.00			
	10050	10050						
1636	Subgrade Exc	0	0	0	1.00			
	0	0						
1637	Subsoil Exc	222	375	375	1.00			
	30500	30500						
1638	Fill	0	0	0	1.00	-428501		
	0	0						
1639	Mass ordinate for TOPSOIL = 40550							
1640								
1641	443+00.00	EARTH						
1642	Common Exc	0	0	0	1.00			
	24347	24347						
1643	Subgrade Exc	0	0	0	1.00			
	0	0						
1644	Subsoil Exc	0	0	0	1.00			
	0	0						
1645	Fill	3479	6707	6707	1.00	-435208	459555	
	459555							
1646	TOPSOIL							
1647	Common Exc	0	0	0	1.00			
	10050	10050						
1648	Subgrade Exc	0	0	0	1.00			
	0	0						
1649	Subsoil Exc	216	406	406	1.00			
	30906	30906						
1650	Fill	0	0	0	1.00	-435208		
	0	0						
1651	Mass ordinate for TOPSOIL = 40956							
1652								
1653	443+50.00	EARTH						

1654		Common Exc	0	0	0	1.00		
		24347	24347					
1655		Subgrade Exc	0	0	0	1.00		
		0	0					
1656		Subsoil Exc	0	0	0	1.00		
		0	0					
1657		Fill	3304	6281	6281	1.00	-441489	465836
		465836						
1658		TOPSOIL						
1659		Common Exc	0	0	0	1.00		
		10050	10050					
1660		Subgrade Exc	0	0	0	1.00		
		0	0					
1661		Subsoil Exc	212	396	396	1.00		
		31302	31302					
1662		Fill	0	0	0	1.00	-441489	
		0	0					
1663		Mass ordinate for TOPSOIL =	41352					
1664								
1665	444+00.00	EARTH						
1666		Common Exc	0	0	0	1.00		
		24347	24347					
1667		Subgrade Exc	0	0	0	1.00		
		0	0					
1668		Subsoil Exc	0	0	0	1.00		
		0	0					
1669		Fill	3285	6101	6101	1.00	-447590	471937
		471937						
1670		TOPSOIL						
1671		Common Exc	0	0	0	1.00		
		10050	10050					
1672		Subgrade Exc	0	0	0	1.00		
		0	0					
1673		Subsoil Exc	210	391	391	1.00		
		31693	31693					
1674		Fill	0	0	0	1.00	-447590	
		0	0					
1675		Mass ordinate for TOPSOIL =	41743					
1676								
1677	444+50.00	EARTH						
1678		Common Exc	0	0	0	1.00		
		24347	24347					
1679		Subgrade Exc	0	0	0	1.00		
		0	0					
1680		Subsoil Exc	0	0	0	1.00		
		0	0					
1681		Fill	3493	6276	6276	1.00	-453866	478213
		478213						
1682		TOPSOIL						
1683		Common Exc	0	0	0	1.00		
		10050	10050					
1684		Subgrade Exc	0	0	0	1.00		
		0	0					
1685		Subsoil Exc	215	394	394	1.00		
		32087	32087					
1686		Fill	0	0	0	1.00	-453866	
		0	0					
1687		Mass ordinate for TOPSOIL =	42137					
1688								
1689	445+00.00	EARTH						
1690		Common Exc	0	0	0	1.00		
		24347	24347					
1691		Subgrade Exc	0	0	0	1.00		
		0	0					
1692		Subsoil Exc	0	0	0	1.00		
		0	0					

1693		Fill	3696	6656	6656	1.00	-460522	484869
		484869						
1694	TOPSOIL							
1695	Common Exc	0	0	0	1.00			
	10050	10050						
1696	Subgrade Exc	0	0	0	1.00			
	0	0						
1697	Subsoil Exc	219	402	402	1.00			
	32489	32489						
1698	Fill	0	0	0	1.00	-460522		
	0	0						
1699	Mass ordinate for TOPSOIL = 42539							
1700								
1701	445+50.00 EARTH							
1702	Common Exc	0	0	0	1.00			
	24347	24347						
1703	Subgrade Exc	0	0	0	1.00			
	0	0						
1704	Subsoil Exc	0	0	0	1.00			
	0	0						
1705	Fill	3971	7099	7099	1.00	-467621		491968
	491968							
1706	TOPSOIL							
1707	Common Exc	0	0	0	1.00			
	10050	10050						
1708	Subgrade Exc	0	0	0	1.00			
	0	0						
1709	Subsoil Exc	225	411	411	1.00			
	32900	32900						
1710	Fill	0	0	0	1.00	-467621		
	0	0						
1711	Mass ordinate for TOPSOIL = 42950							
1712								
1713	446+00.00 EARTH							
1714	Common Exc	0	0	0	1.00			
	24347	24347						
1715	Subgrade Exc	0	0	0	1.00			
	0	0						
1716	Subsoil Exc	0	0	0	1.00			
	0	0						
1717	Fill	4561	7900	7900	1.00	-475521		499868
	499868							
1718	TOPSOIL							
1719	Common Exc	0	0	0	1.00			
	10050	10050						
1720	Subgrade Exc	0	0	0	1.00			
	0	0						
1721	Subsoil Exc	252	442	442	1.00			
	33342	33342						
1722	Fill	0	0	0	1.00	-475521		
	0	0						
1723	Mass ordinate for TOPSOIL = 43392							
1724								
1725	446+50.00 EARTH							
1726	Common Exc	0	0	0	1.00			
	24347	24347						
1727	Subgrade Exc	0	0	0	1.00			
	0	0						
1728	Subsoil Exc	0	0	0	1.00			
	0	0						
1729	Fill	5118	8962	8962	1.00	-484483		508830
	508830							
1730	TOPSOIL							
1731	Common Exc	0	0	0	1.00			
	10050	10050						
1732	Subgrade Exc	0	0	0	1.00			

1733		0	Subsoil Exc	312	522	522	1.00	
		33864		33864				
1734			Fill	0	0	0	1.00	-484483
		0		0				
1735			Mass ordinate for TOPSOIL =	43914				
1736								
1737	447+00.00		EARTH					
1738			Common Exc	0	0	0	1.00	
		24347		24347				
1739			Subgrade Exc	0	0	0	1.00	
		0		0				
1740			Subsoil Exc	0	0	0	1.00	
		0		0				
1741			Fill	4956	9328	9328	1.00	-493811
		518158						518158
1742			TOPSOIL					
1743			Common Exc	0	0	0	1.00	
		10050		10050				
1744			Subgrade Exc	0	0	0	1.00	
		0		0				
1745			Subsoil Exc	286	554	554	1.00	
		34418		34418				
1746			Fill	0	0	0	1.00	-493811
		0		0				
1747			Mass ordinate for TOPSOIL =	44468				
1748								
1749	447+50.00		EARTH					
1750			Common Exc	2	2	2	1.00	
		24349		24349				
1751			Subgrade Exc	0	0	0	1.00	
		0		0				
1752			Subsoil Exc	0	0	0	1.00	
		0		0				
1753			Fill	4477	8734	8734	1.00	-502543
		526892						526892
1754			TOPSOIL					
1755			Common Exc	8	7	7	1.00	
		10057		10057				
1756			Subgrade Exc	0	0	0	1.00	
		0		0				
1757			Subsoil Exc	250	496	496	1.00	
		34914		34914				
1758			Fill	0	0	0	1.00	-502543
		0		0				
1759			Mass ordinate for TOPSOIL =	44971				
1760								
1761	448+00.00		EARTH					
1762			Common Exc	0	2	2	1.00	
		24351		24351				
1763			Subgrade Exc	0	0	0	1.00	
		0		0				
1764			Subsoil Exc	0	0	0	1.00	
		0		0				
1765			Fill	3879	7737	7737	1.00	-510278
		534629						534629
1766			TOPSOIL					
1767			Common Exc	0	7	7	1.00	
		10064		10064				
1768			Subgrade Exc	0	0	0	1.00	
		0		0				
1769			Subsoil Exc	234	448	448	1.00	
		35362		35362				
1770			Fill	0	0	0	1.00	-510278
		0		0				
1771			Mass ordinate for TOPSOIL =	45426				

1772								
1773	448+50.00	EARTH						
1774		Common Exc	1	1	1	1.00		
		24352	24352					
1775		Subgrade Exc	0	0	0	1.00		
		0	0					
1776		Subsoil Exc	0	0	0	1.00		
		0	0					
1777		Fill	3210	6564	6564	1.00	-516841	541193
		541193						
1778		TOPSOIL						
1779		Common Exc	5	5	5	1.00		
		10069	10069					
1780		Subgrade Exc	0	0	0	1.00		
		0	0					
1781		Subsoil Exc	222	422	422	1.00		
		35784	35784					
1782		Fill	0	0	0	1.00	-516841	
		0	0					
1783		Mass ordinate for TOPSOIL =	45853					
1784								
1785	449+00.00	EARTH						
1786		Common Exc	2	3	3	1.00		
		24355	24355					
1787		Subgrade Exc	0	0	0	1.00		
		0	0					
1788		Subsoil Exc	0	0	0	1.00		
		0	0					
1789		Fill	2668	5443	5443	1.00	-522281	546636
		546636						
1790		TOPSOIL						
1791		Common Exc	6	10	10	1.00		
		10079	10079					
1792		Subgrade Exc	0	0	0	1.00		
		0	0					
1793		Subsoil Exc	203	394	394	1.00		
		36178	36178					
1794		Fill	0	0	0	1.00	-522281	
		0	0					
1795		Mass ordinate for TOPSOIL =	46257					
1796								
1797	449+50.00	EARTH						
1798		Common Exc	3	5	5	1.00		
		24360	24360					
1799		Subgrade Exc	0	0	0	1.00		
		0	0					
1800		Subsoil Exc	0	0	0	1.00		
		0	0					
1801		Fill	2375	4669	4669	1.00	-526945	551305
		551305						
1802		TOPSOIL						
1803		Common Exc	7	12	12	1.00		
		10091	10091					
1804		Subgrade Exc	0	0	0	1.00		
		0	0					
1805		Subsoil Exc	198	371	371	1.00		
		36549	36549					
1806		Fill	0	0	0	1.00	-526945	
		0	0					
1807		Mass ordinate for TOPSOIL =	46640					
1808								
1809	450+00.00	EARTH						
1810		Common Exc	5	7	7	1.00		
		24367	24367					
1811		Subgrade Exc	0	0	0	1.00		
		0	0					

1812		Subsoil Exc	0	0	0	1.00		
		0	0					
1813		Fill	2090	4134	4134	1.00	-531072	555439
		555439						
1814		TOPSOIL						
1815		Common Exc	8	14	14	1.00		
		10105	10105					
1816		Subgrade Exc	0	0	0	1.00		
		0	0					
1817		Subsoil Exc	190	359	359	1.00		
		36908	36908					
1818		Fill	0	0	0	1.00	-531072	
		0	0					
1819		Mass ordinate for TOPSOIL = 47013						
1820								
1821	450+50.00	EARTH						
1822		Common Exc	11	15	15	1.00		
		24382	24382					
1823		Subgrade Exc	0	0	0	1.00		
		0	0					
1824		Subsoil Exc	0	0	0	1.00		
		0	0					
1825		Fill	1813	3614	3614	1.00	-534671	559053
		559053						
1826		TOPSOIL						
1827		Common Exc	12	19	19	1.00		
		10124	10124					
1828		Subgrade Exc	0	0	0	1.00		
		0	0					
1829		Subsoil Exc	181	344	344	1.00		
		37252	37252					
1830		Fill	0	0	0	1.00	-534671	
		0	0					
1831		Mass ordinate for TOPSOIL = 47376						
1832								
1833	450+82.21	EARTH						
1834		Common Exc	10	13	13	1.00		
		24395	24395					
1835		Subgrade Exc	0	0	0	1.00		
		0	0					
1836		Subsoil Exc	0	0	0	1.00		
		0	0					
1837		Fill	1632	2055	2055	1.00	-536713	561108
		561108						
1838		TOPSOIL						
1839		Common Exc	12	14	14	1.00		
		10138	10138					
1840		Subgrade Exc	0	0	0	1.00		
		0	0					
1841		Subsoil Exc	179	215	215	1.00		
		37467	37467					
1842		Fill	0	0	0	1.00	-536713	
		0	0					
1843		Mass ordinate for TOPSOIL = 47605						
1844								
1845	451+00.00	EARTH						
1846		Common Exc	12	7	7	1.00		
		24402	24402					
1847		Subgrade Exc	0	0	0	1.00		
		0	0					
1848		Subsoil Exc	0	0	0	1.00		
		0	0					
1849		Fill	1518	1038	1038	1.00	-537744	562146
		562146						
1850		TOPSOIL						
1851		Common Exc	11	8	8	1.00		

1852	10146	10146						
	Subgrade	Exc	0	0	0	1.00		
1853	0	0						
	Subsoil	Exc	175	117	117	1.00		
	37584	37584						
1854	Fill		0	0	0	1.00	-537744	
	0	0						
1855	Mass ordinate for TOPSOIL = 47730							
1856								
1857	451+50.00	EARTH						
1858	Common	Exc	15	25	25	1.00		
	24427	24427						
1859	Subgrade	Exc	0	0	0	1.00		
	0	0						
1860	Subsoil	Exc	0	0	0	1.00		
	0	0						
1861	Fill		1119	2442	2442	1.00	-540161	564588
	564588							
1862	TOPSOIL							
1863	Common	Exc	13	22	22	1.00		
	10168	10168						
1864	Subgrade	Exc	0	0	0	1.00		
	0	0						
1865	Subsoil	Exc	166	316	316	1.00		
	37900	37900						
1866	Fill		0	0	0	1.00	-540161	
	0	0						
1867	Mass ordinate for TOPSOIL = 48068							
1868								
1869	452+00.00	EARTH						
1870	Common	Exc	15	28	28	1.00		
	24455	24455						
1871	Subgrade	Exc	0	0	0	1.00		
	0	0						
1872	Subsoil	Exc	0	0	0	1.00		
	0	0						
1873	Fill		676	1662	1662	1.00	-541795	566250
	566250							
1874	TOPSOIL							
1875	Common	Exc	13	24	24	1.00		
	10192	10192						
1876	Subgrade	Exc	0	0	0	1.00		
	0	0						
1877	Subsoil	Exc	154	296	296	1.00		
	38196	38196						
1878	Fill		0	0	0	1.00	-541795	
	0	0						
1879	Mass ordinate for TOPSOIL = 48388							
1880								
1881	452+14.52	EARTH						
1882	Common	Exc	19	9	9	1.00		
	24464	24464						
1883	Subgrade	Exc	0	0	0	1.00		
	0	0						
1884	Subsoil	Exc	0	0	0	1.00		
	0	0						
1885	Fill		549	329	329	1.00	-542115	566579
	566579							
1886	TOPSOIL							
1887	Common	Exc	14	7	7	1.00		
	10199	10199						
1888	Subgrade	Exc	0	0	0	1.00		
	0	0						
1889	Subsoil	Exc	151	82	82	1.00		
	38278	38278						
1890	Fill		0	0	0	1.00	-542115	

1891		0	0					
1892		Mass ordinate for TOPSOIL = 48477						
1893	452+50.00	EARTH						
1894		Common Exc	58	51	51	1.00		
		24515	24515					
1895		Subgrade Exc	0	0	0	1.00		
		0	0					
1896		Subsoil Exc	0	0	0	1.00		
		0	0					
1897		Fill	262	533	533	1.00	-542597	567112
		567112						
1898		TOPSOIL						
1899		Common Exc	46	39	39	1.00		
		10238	10238					
1900		Subgrade Exc	0	0	0	1.00		
		0	0					
1901		Subsoil Exc	128	183	183	1.00		
		38461	38461					
1902		Fill	0	0	0	1.00	-542597	
		0	0					
1903		Mass ordinate for TOPSOIL = 48699						
1904								
1905	452+97.21	EARTH						
1906		Common Exc	70	112	112	1.00		
		24627	24627					
1907		Subgrade Exc	0	0	0	1.00		
		0	0					
1908		Subsoil Exc	0	0	0	1.00		
		0	0					
1909		Fill	42	266	266	1.00	-542751	567378
		567378						
1910		TOPSOIL						
1911		Common Exc	127	151	151	1.00		
		10389	10389					
1912		Subgrade Exc	0	0	0	1.00		
		0	0					
1913		Subsoil Exc	42	149	149	1.00		
		38610	38610					
1914		Fill	0	0	0	1.00	-542751	
		0	0					
1915		Mass ordinate for TOPSOIL = 48999						
1916								
1917	453+00.00	EARTH						
1918		Common Exc	73	7	7	1.00		
		24634	24634					
1919		Subgrade Exc	0	0	0	1.00		
		0	0					
1920		Subsoil Exc	0	0	0	1.00		
		0	0					
1921		Fill	36	4	4	1.00	-542748	567382
		567382						
1922		TOPSOIL						
1923		Common Exc	132	13	13	1.00		
		10402	10402					
1924		Subgrade Exc	0	0	0	1.00		
		0	0					
1925		Subsoil Exc	36	4	4	1.00		
		38614	38614					
1926		Fill	0	0	0	1.00	-542748	
		0	0					
1927		Mass ordinate for TOPSOIL = 49016						
1928								
1929	453+50.00	EARTH						
1930		Common Exc	120	179	179	1.00		
		24813	24813					

1931	Subgrade Exc	0	0	0	1.00		
	0	0					
1932	Subsoil Exc	0	0	0	1.00		
	0	0					
1933	Fill	10	43	43	1.00	-542612	567425
	567425						
1934	TOPSOIL						
1935	Common Exc	161	271	271	1.00		
	10673	10673					
1936	Subgrade Exc	0	0	0	1.00		
	0	0					
1937	Subsoil Exc	10	43	43	1.00		
	38657	38657					
1938	Fill	0	0	0	1.00	-542612	
	0	0					
1939	Mass ordinate for TOPSOIL = 49330						
1940							
1941	453+79.91 EARTH						
1942	Common Exc	86	114	114	1.00		
	24927	24927					
1943	Subgrade Exc	0	0	0	1.00		
	0	0					
1944	Subsoil Exc	0	0	0	1.00		
	0	0					
1945	Fill	8	10	10	1.00	-542508	567435
	567435						
1946	TOPSOIL						
1947	Common Exc	163	179	179	1.00		
	10852	10852					
1948	Subgrade Exc	0	0	0	1.00		
	0	0					
1949	Subsoil Exc	8	10	10	1.00		
	38667	38667					
1950	Fill	0	0	0	1.00	-542508	
	0	0					
1951	Mass ordinate for TOPSOIL = 49519						
1952							
1953	454+00.00 EARTH						
1954	Common Exc	77	61	61	1.00		
	24988	24988					
1955	Subgrade Exc	0	0	0	1.00		
	0	0					
1956	Subsoil Exc	0	0	0	1.00		
	0	0					
1957	Fill	13	8	8	1.00	-542455	567443
	567443						
1958	TOPSOIL						
1959	Common Exc	157	119	119	1.00		
	10971	10971					
1960	Subgrade Exc	0	0	0	1.00		
	0	0					
1961	Subsoil Exc	13	8	8	1.00		
	38675	38675					
1962	Fill	0	0	0	1.00	-542455	
	0	0					
1963	Mass ordinate for TOPSOIL = 49646						
1964							
1965	454+50.00 EARTH						
1966	Common Exc	94	158	158	1.00		
	25146	25146					
1967	Subgrade Exc	0	0	0	1.00		
	0	0					
1968	Subsoil Exc	0	0	0	1.00		
	0	0					
1969	Fill	3	15	15	1.00	-542312	567458
	567458						

1970	TOPSOIL						
1971	Common Exc	166	299	299	1.00		
	11270	11270					
1972	Subgrade Exc	0	0	0	1.00		
	0	0					
1973	Subsoil Exc	3	15	15	1.00		
	38690	38690					
1974	Fill	0	0	0	1.00	-542312	
	0	0					
1975	Mass ordinate for TOPSOIL = 49960						
1976							
1977	455+00.00 EARTH						
1978	Common Exc	90	170	170	1.00		
	25316	25316					
1979	Subgrade Exc	0	0	0	1.00		
	0	0					
1980	Subsoil Exc	0	0	0	1.00		
	0	0					
1981	Fill	13	15	15	1.00	-542157	567473
	567473						
1982	TOPSOIL						
1983	Common Exc	156	298	298	1.00		
	11568	11568					
1984	Subgrade Exc	0	0	0	1.00		
	0	0					
1985	Subsoil Exc	13	15	15	1.00		
	38705	38705					
1986	Fill	0	0	0	1.00	-542157	
	0	0					
1987	Mass ordinate for TOPSOIL = 50273						
1988							
1989	455+50.00 EARTH						
1990	Common Exc	81	158	158	1.00		
	25474	25474					
1991	Subgrade Exc	0	0	0	1.00		
	0	0					
1992	Subsoil Exc	0	0	0	1.00		
	0	0					
1993	Fill	62	69	69	1.00	-542068	567542
	567542						
1994	TOPSOIL						
1995	Common Exc	111	247	247	1.00		
	11815	11815					
1996	Subgrade Exc	0	0	0	1.00		
	0	0					
1997	Subsoil Exc	57	65	65	1.00		
	38770	38770					
1998	Fill	0	0	0	1.00	-542068	
	0	0					
1999	Mass ordinate for TOPSOIL = 50585						
2000							
2001	456+00.00 EARTH						
2002	Common Exc	77	146	146	1.00		
	25620	25620					
2003	Subgrade Exc	0	0	0	1.00		
	0	0					
2004	Subsoil Exc	0	0	0	1.00		
	0	0					
2005	Fill	176	220	220	1.00	-542142	567762
	567762						
2006	TOPSOIL						
2007	Common Exc	74	171	171	1.00		
	11986	11986					
2008	Subgrade Exc	0	0	0	1.00		
	0	0					
2009	Subsoil Exc	92	138	138	1.00		

2010	38908	38908						
	Fill	0	0	0	1.00	-542142		
	0	0						
2011	Mass ordinate for TOPSOIL = 50894							
2012								
2013	456+50.00	EARTH						
2014	Common Exc	17	87	87	1.00			
	25707	25707						
2015	Subgrade Exc	0	0	0	1.00			
	0	0						
2016	Subsoil Exc	0	0	0	1.00			
	0	0						
2017	Fill	269	412	412	1.00	-542467	568174	
	568174							
2018	TOPSOIL							
2019	Common Exc	38	104	104	1.00			
	12090	12090						
2020	Subgrade Exc	0	0	0	1.00			
	0	0						
2021	Subsoil Exc	125	201	201	1.00			
	39109	39109						
2022	Fill	0	0	0	1.00	-542467		
	0	0						
2023	Mass ordinate for TOPSOIL = 51199							
2024								
2025	457+00.00	EARTH						
2026	Common Exc	4	19	19	1.00			
	25726	25726						
2027	Subgrade Exc	0	0	0	1.00			
	0	0						
2028	Subsoil Exc	0	0	0	1.00			
	0	0						
2029	Fill	338	562	562	1.00	-543010	568736	
	568736							
2030	TOPSOIL							
2031	Common Exc	22	56	56	1.00			
	12146	12146						
2032	Subgrade Exc	0	0	0	1.00			
	0	0						
2033	Subsoil Exc	159	263	263	1.00			
	39372	39372						
2034	Fill	0	0	0	1.00	-543010		
	0	0						
2035	Mass ordinate for TOPSOIL = 51518							
2036								
2037	457+50.00	EARTH						
2038	Common Exc	1	5	5	1.00			
	25731	25731						
2039	Subgrade Exc	0	0	0	1.00			
	0	0						
2040	Subsoil Exc	0	0	0	1.00			
	0	0						
2041	Fill	385	669	669	1.00	-543674	569405	
	569405							
2042	TOPSOIL							
2043	Common Exc	15	34	34	1.00			
	12180	12180						
2044	Subgrade Exc	0	0	0	1.00			
	0	0						
2045	Subsoil Exc	160	295	295	1.00			
	39667	39667						
2046	Fill	0	0	0	1.00	-543674		
	0	0						
2047	Mass ordinate for TOPSOIL = 51847							
2048								
2049	458+00.00	EARTH						

2050		Common Exc	1	2	2	1.00		
		25733	25733					
2051		Subgrade Exc	0	0	0	1.00		
		0	0					
2052		Subsoil Exc	0	0	0	1.00		
		0	0					
2053		Fill	438	762	762	1.00	-544434	570167
		570167						
2054		TOPSOIL						
2055		Common Exc	9	22	22	1.00		
		12202	12202					
2056		Subgrade Exc	0	0	0	1.00		
		0	0					
2057		Subsoil Exc	162	298	298	1.00		
		39965	39965					
2058		Fill	0	0	0	1.00	-544434	
		0	0					
2059		Mass ordinate for TOPSOIL =	52167					
2060								
2061	458+50.00	EARTH						
2062		Common Exc	0	1	1	1.00		
		25734	25734					
2063		Subgrade Exc	0	0	0	1.00		
		0	0					
2064		Subsoil Exc	0	0	0	1.00		
		0	0					
2065		Fill	470	841	841	1.00	-545274	571008
		571008						
2066		TOPSOIL						
2067		Common Exc	2	10	10	1.00		
		12212	12212					
2068		Subgrade Exc	0	0	0	1.00		
		0	0					
2069		Subsoil Exc	165	303	303	1.00		
		40268	40268					
2070		Fill	0	0	0	1.00	-545274	
		0	0					
2071		Mass ordinate for TOPSOIL =	52480					
2072								
2073	459+00.00	EARTH						
2074		Common Exc	2	2	2	1.00		
		25736	25736					
2075		Subgrade Exc	0	0	0	1.00		
		0	0					
2076		Subsoil Exc	0	0	0	1.00		
		0	0					
2077		Fill	461	862	862	1.00	-546134	571870
		571870						
2078		TOPSOIL						
2079		Common Exc	11	12	12	1.00		
		12224	12224					
2080		Subgrade Exc	0	0	0	1.00		
		0	0					
2081		Subsoil Exc	160	301	301	1.00		
		40569	40569					
2082		Fill	0	0	0	1.00	-546134	
		0	0					
2083		Mass ordinate for TOPSOIL =	52793					
2084								
2085	459+00.54	EARTH						
2086		Common Exc	2	0	0	1.00		
		25736	25736					
2087		Subgrade Exc	0	0	0	1.00		
		0	0					
2088		Subsoil Exc	0	0	0	1.00		
		0	0					

2089		Fill	461	9	9	1.00	-546143	571879
		571879						
2090	TOPSOIL							
2091	Common Exc	11	0	0	1.00			
	12224	12224						
2092	Subgrade Exc	0	0	0	1.00			
	0	0						
2093	Subsoil Exc	160	3	3	1.00			
	40572	40572						
2094	Fill	0	0	0	1.00	-546143		
	0	0						
2095	Mass ordinate for TOPSOIL = 52796							
2096								
2097	459+50.00 EARTH							
2098	Common Exc	1	3	3	1.00			
	25739	25739						
2099	Subgrade Exc	0	0	0	1.00			
	0	0						
2100	Subsoil Exc	0	0	0	1.00			
	0	0						
2101	Fill	518	897	897	1.00	-547037	572776	
	572776							
2102	TOPSOIL							
2103	Common Exc	8	17	17	1.00			
	12241	12241						
2104	Subgrade Exc	0	0	0	1.00			
	0	0						
2105	Subsoil Exc	159	292	292	1.00			
	40864	40864						
2106	Fill	0	0	0	1.00	-547037		
	0	0						
2107	Mass ordinate for TOPSOIL = 53105							
2108								
2109	459+83.23 EARTH							
2110	Common Exc	0	1	1	1.00			
	25740	25740						
2111	Subgrade Exc	0	0	0	1.00			
	0	0						
2112	Subsoil Exc	0	0	0	1.00			
	0	0						
2113	Fill	548	656	656	1.00	-547692	573432	
	573432							
2114	TOPSOIL							
2115	Common Exc	5	8	8	1.00			
	12249	12249						
2116	Subgrade Exc	0	0	0	1.00			
	0	0						
2117	Subsoil Exc	163	198	198	1.00			
	41062	41062						
2118	Fill	0	0	0	1.00	-547692		
	0	0						
2119	Mass ordinate for TOPSOIL = 53311							
2120								
2121	460+00.00 EARTH							
2122	Common Exc	0	0	0	1.00			
	25740	25740						
2123	Subgrade Exc	0	0	0	1.00			
	0	0						
2124	Subsoil Exc	0	0	0	1.00			
	0	0						
2125	Fill	566	346	346	1.00	-548038	573778	
	573778							
2126	TOPSOIL							
2127	Common Exc	3	2	2	1.00			
	12251	12251						
2128	Subgrade Exc	0	0	0	1.00			

2129		0	Subsoil Exc	168	103	103	1.00		
		41165		41165					
2130			Fill	0	0	0	1.00	-548038	
		0		0					
2131			Mass ordinate for TOPSOIL =	53416					
2132									
2133	460+50.00		EARTH						
2134			Common Exc	0	0	0	1.00		
		25740		25740					
2135			Subgrade Exc	0	0	0	1.00		
		0		0					
2136			Subsoil Exc	0	0	0	1.00		
		0		0					
2137			Fill	638	1115	1115	1.00	-549153	574893
				574893					
2138			TOPSOIL						
2139			Common Exc	1	4	4	1.00		
		12255		12255					
2140			Subgrade Exc	0	0	0	1.00		
		0		0					
2141			Subsoil Exc	180	322	322	1.00		
		41487		41487					
2142			Fill	0	0	0	1.00	-549153	
		0		0					
2143			Mass ordinate for TOPSOIL =	53742					
2144									
2145	460+65.93		EARTH						
2146			Common Exc	0	0	0	1.00		
		25740		25740					
2147			Subgrade Exc	0	0	0	1.00		
		0		0					
2148			Subsoil Exc	0	0	0	1.00		
		0		0					
2149			Fill	676	388	388	1.00	-549541	575281
				575281					
2150			TOPSOIL						
2151			Common Exc	1	1	1	1.00		
		12256		12256					
2152			Subgrade Exc	0	0	0	1.00		
		0		0					
2153			Subsoil Exc	181	106	106	1.00		
		41593		41593					
2154			Fill	0	0	0	1.00	-549541	
		0		0					
2155			Mass ordinate for TOPSOIL =	53849					
2156									
2157	461+00.00		EARTH						
2158			Common Exc	0	0	0	1.00		
		25740		25740					
2159			Subgrade Exc	0	0	0	1.00		
		0		0					
2160			Subsoil Exc	0	0	0	1.00		
		0		0					
2161			Fill	721	881	881	1.00	-550422	576162
				576162					
2162			TOPSOIL						
2163			Common Exc	2	2	2	1.00		
		12258		12258					
2164			Subgrade Exc	0	0	0	1.00		
		0		0					
2165			Subsoil Exc	184	230	230	1.00		
		41823		41823					
2166			Fill	0	0	0	1.00	-550422	
		0		0					
2167			Mass ordinate for TOPSOIL =	54081					

2168								
2169	461+50.00	EARTH						
2170		Common Exc	0	0	0	1.00		
		25740	25740					
2171		Subgrade Exc	0	0	0	1.00		
		0	0					
2172		Subsoil Exc	0	0	0	1.00		
		0	0					
2173		Fill	743	1356	1356	1.00	-551778	577518
		577518						
2174		TOPSOIL						
2175		Common Exc	4	6	6	1.00		
		12264	12264					
2176		Subgrade Exc	0	0	0	1.00		
		0	0					
2177		Subsoil Exc	176	333	333	1.00		
		42156	42156					
2178		Fill	0	0	0	1.00	-551778	
		0	0					
2179		Mass ordinate for TOPSOIL =	54420					
2180								
2181	461+98.24	EARTH						
2182		Common Exc	1	1	1	1.00		
		25741	25741					
2183		Subgrade Exc	0	0	0	1.00		
		0	0					
2184		Subsoil Exc	0	0	0	1.00		
		0	0					
2185		Fill	819	1395	1395	1.00	-553172	578913
		578913						
2186		TOPSOIL						
2187		Common Exc	8	11	11	1.00		
		12275	12275					
2188		Subgrade Exc	0	0	0	1.00		
		0	0					
2189		Subsoil Exc	177	315	315	1.00		
		42471	42471					
2190		Fill	0	0	0	1.00	-553172	
		0	0					
2191		Mass ordinate for TOPSOIL =	54746					
2192								
2193	462+00.00	EARTH						
2194		Common Exc	1	0	0	1.00		
		25741	25741					
2195		Subgrade Exc	0	0	0	1.00		
		0	0					
2196		Subsoil Exc	0	0	0	1.00		
		0	0					
2197		Fill	823	54	54	1.00	-553226	578967
		578967						
2198		TOPSOIL						
2199		Common Exc	8	1	1	1.00		
		12276	12276					
2200		Subgrade Exc	0	0	0	1.00		
		0	0					
2201		Subsoil Exc	177	12	12	1.00		
		42483	42483					
2202		Fill	0	0	0	1.00	-553226	
		0	0					
2203		Mass ordinate for TOPSOIL =	54759					
2204								
2205	462+50.00	EARTH						
2206		Common Exc	0	1	1	1.00		
		25742	25742					
2207		Subgrade Exc	0	0	0	1.00		
		0	0					

2208		Subsoil Exc	0	0	0	1.00		
		0	0					
2209		Fill	946	1638	1638	1.00	-554863	580605
		580605						
2210		TOPSOIL						
2211		Common Exc	5	12	12	1.00		
		12288	12288					
2212		Subgrade Exc	0	0	0	1.00		
		0	0					
2213		Subsoil Exc	183	333	333	1.00		
		42816	42816					
2214		Fill	0	0	0	1.00	-554863	
		0	0					
2215		Mass ordinate for TOPSOIL = 55104						
2216								
2217	463+00.00	EARTH						
2218		Common Exc	0	0	0	1.00		
		25742	25742					
2219		Subgrade Exc	0	0	0	1.00		
		0	0					
2220		Subsoil Exc	0	0	0	1.00		
		0	0					
2221		Fill	1017	1818	1818	1.00	-556681	582423
		582423						
2222		TOPSOIL						
2223		Common Exc	3	7	7	1.00		
		12295	12295					
2224		Subgrade Exc	0	0	0	1.00		
		0	0					
2225		Subsoil Exc	183	339	339	1.00		
		43155	43155					
2226		Fill	0	0	0	1.00	-556681	
		0	0					
2227		Mass ordinate for TOPSOIL = 55450						
2228								
2229	463+50.00	EARTH						
2230		Common Exc	3	3	3	1.00		
		25745	25745					
2231		Subgrade Exc	0	0	0	1.00		
		0	0					
2232		Subsoil Exc	0	0	0	1.00		
		0	0					
2233		Fill	1119	1978	1978	1.00	-558656	584401
		584401						
2234		TOPSOIL						
2235		Common Exc	10	12	12	1.00		
		12307	12307					
2236		Subgrade Exc	0	0	0	1.00		
		0	0					
2237		Subsoil Exc	183	339	339	1.00		
		43494	43494					
2238		Fill	0	0	0	1.00	-558656	
		0	0					
2239		Mass ordinate for TOPSOIL = 55801						
2240								
2241	464+00.00	EARTH						
2242		Common Exc	0	3	3	1.00		
		25748	25748					
2243		Subgrade Exc	0	0	0	1.00		
		0	0					
2244		Subsoil Exc	0	0	0	1.00		
		0	0					
2245		Fill	1215	2161	2161	1.00	-560814	586562
		586562						
2246		TOPSOIL						
2247		Common Exc	1	10	10	1.00		

	12317	12317					
2248	Subgrade Exc	0	0	0	0	1.00	
	0	0					
2249	Subsoil Exc	189	344	344	1.00		
	43838	43838					
2250	Fill	0	0	0	1.00	-560814	
	0	0					
2251	Mass ordinate for TOPSOIL = 56155						
2252							
2253	464+50.00 EARTH						
2254	Common Exc	0	0	0	1.00		
	25748	25748					
2255	Subgrade Exc	0	0	0	1.00		
	0	0					
2256	Subsoil Exc	0	0	0	1.00		
	0	0					
2257	Fill	1260	2292	2292	1.00	-563106	588854
	588854						
2258	TOPSOIL						
2259	Common Exc	3	4	4	1.00		
	12321	12321					
2260	Subgrade Exc	0	0	0	1.00		
	0	0					
2261	Subsoil Exc	195	356	356	1.00		
	44194	44194					
2262	Fill	0	0	0	1.00	-563106	
	0	0					
2263	Mass ordinate for TOPSOIL = 56515						
2264							
2265	465+00.00 EARTH						
2266	Common Exc	4	4	4	1.00		
	25752	25752					
2267	Subgrade Exc	0	0	0	1.00		
	0	0					
2268	Subsoil Exc	0	0	0	1.00		
	0	0					
2269	Fill	1310	2380	2380	1.00	-565482	591234
	591234						
2270	TOPSOIL						
2271	Common Exc	12	14	14	1.00		
	12335	12335					
2272	Subgrade Exc	0	0	0	1.00		
	0	0					
2273	Subsoil Exc	199	365	365	1.00		
	44559	44559					
2274	Fill	0	0	0	1.00	-565482	
	0	0					
2275	Mass ordinate for TOPSOIL = 56894						
2276							
2277	465+50.00 EARTH						
2278	Common Exc	13	16	16	1.00		
	25768	25768					
2279	Subgrade Exc	0	0	0	1.00		
	0	0					
2280	Subsoil Exc	0	0	0	1.00		
	0	0					
2281	Fill	1220	2343	2343	1.00	-567809	593577
	593577						
2282	TOPSOIL						
2283	Common Exc	19	29	29	1.00		
	12364	12364					
2284	Subgrade Exc	0	0	0	1.00		
	0	0					
2285	Subsoil Exc	200	369	369	1.00		
	44928	44928					
2286	Fill	0	0	0	1.00	-567809	

2287	0	0	Mass ordinate for TOPSOIL = 57292				
2288							
2289	466+00.00	EARTH					
2290	Common Exc	6	18	18	1.00		
	25786	25786					
2291	Subgrade Exc	0	0	0	1.00		
	0	0					
2292	Subsoil Exc	0	0	0	1.00		
	0	0					
2293	Fill	1262	2298	2298	1.00	-570089	595875
	595875						
2294	TOPSOIL						
2295	Common Exc	14	31	31	1.00		
	12395	12395					
2296	Subgrade Exc	0	0	0	1.00		
	0	0					
2297	Subsoil Exc	198	369	369	1.00		
	45297	45297					
2298	Fill	0	0	0	1.00	-570089	
	0	0					
2299	Mass ordinate for TOPSOIL = 57692						
2300							
2301	466+50.00	EARTH					
2302	Common Exc	4	9	9	1.00		
	25795	25795					
2303	Subgrade Exc	0	0	0	1.00		
	0	0					
2304	Subsoil Exc	0	0	0	1.00		
	0	0					
2305	Fill	1210	2289	2289	1.00	-572369	598164
	598164						
2306	TOPSOIL						
2307	Common Exc	12	24	24	1.00		
	12419	12419					
2308	Subgrade Exc	0	0	0	1.00		
	0	0					
2309	Subsoil Exc	193	362	362	1.00		
	45659	45659					
2310	Fill	0	0	0	1.00	-572369	
	0	0					
2311	Mass ordinate for TOPSOIL = 58078						
2312							
2313	467+00.00	EARTH					
2314	Common Exc	2	6	6	1.00		
	25801	25801					
2315	Subgrade Exc	0	0	0	1.00		
	0	0					
2316	Subsoil Exc	0	0	0	1.00		
	0	0					
2317	Fill	1097	2136	2136	1.00	-574499	600300
	600300						
2318	TOPSOIL						
2319	Common Exc	10	20	20	1.00		
	12439	12439					
2320	Subgrade Exc	0	0	0	1.00		
	0	0					
2321	Subsoil Exc	188	353	353	1.00		
	46012	46012					
2322	Fill	0	0	0	1.00	-574499	
	0	0					
2323	Mass ordinate for TOPSOIL = 58451						
2324							
2325	467+50.00	EARTH					
2326	Common Exc	0	2	2	1.00		
	25803	25803					

2327		Subgrade Exc	0	0	0	1.00		
		0	0					
2328		Subsoil Exc	0	0	0	1.00		
		0	0					
2329		Fill	1009	1950	1950	1.00	-576447	602250
		602250						
2330		TOPSOIL						
2331		Common Exc	6	15	15	1.00		
		12454	12454					
2332		Subgrade Exc	0	0	0	1.00		
		0	0					
2333		Subsoil Exc	184	344	344	1.00		
		46356	46356					
2334		Fill	0	0	0	1.00	-576447	
		0	0					
2335		Mass ordinate for TOPSOIL = 58810						
2336								
2337	468+00.00	EARTH						
2338		Common Exc	1	1	1	1.00		
		25804	25804					
2339		Subgrade Exc	0	0	0	1.00		
		0	0					
2340		Subsoil Exc	0	0	0	1.00		
		0	0					
2341		Fill	1003	1863	1863	1.00	-578309	604113
		604113						
2342		TOPSOIL						
2343		Common Exc	8	13	13	1.00		
		12467	12467					
2344		Subgrade Exc	0	0	0	1.00		
		0	0					
2345		Subsoil Exc	184	341	341	1.00		
		46697	46697					
2346		Fill	0	0	0	1.00	-578309	
		0	0					
2347		Mass ordinate for TOPSOIL = 59164						
2348								
2349	468+50.00	EARTH						
2350		Common Exc	0	1	1	1.00		
		25805	25805					
2351		Subgrade Exc	0	0	0	1.00		
		0	0					
2352		Subsoil Exc	0	0	0	1.00		
		0	0					
2353		Fill	1010	1864	1864	1.00	-580172	605977
		605977						
2354		TOPSOIL						
2355		Common Exc	5	12	12	1.00		
		12479	12479					
2356		Subgrade Exc	0	0	0	1.00		
		0	0					
2357		Subsoil Exc	185	342	342	1.00		
		47039	47039					
2358		Fill	0	0	0	1.00	-580172	
		0	0					
2359		Mass ordinate for TOPSOIL = 59518						
2360								
2361	469+00.00	EARTH						
2362		Common Exc	0	0	0	1.00		
		25805	25805					
2363		Subgrade Exc	0	0	0	1.00		
		0	0					
2364		Subsoil Exc	0	0	0	1.00		
		0	0					
2365		Fill	1047	1905	1905	1.00	-582077	607882
		607882						

2366	TOPSOIL							
2367	Common Exc	1	6	6	1.00			
	12485	12485						
2368	Subgrade Exc	0	0	0	1.00			
	0	0						
2369	Subsoil Exc	185	343	343	1.00			
	47382	47382						
2370	Fill	0	0	0	1.00	-582077		
	0	0						
2371	Mass ordinate for TOPSOIL = 59867							
2372								
2373	469+50.00 EARTH							
2374	Common Exc	0	0	0	1.00			
	25805	25805						
2375	Subgrade Exc	0	0	0	1.00			
	0	0						
2376	Subsoil Exc	0	0	0	1.00			
	0	0						
2377	Fill	1074	1964	1964	1.00	-584041	609846	
	609846							
2378	TOPSOIL							
2379	Common Exc	0	1	1	1.00			
	12486	12486						
2380	Subgrade Exc	0	0	0	1.00			
	0	0						
2381	Subsoil Exc	184	342	342	1.00			
	47724	47724						
2382	Fill	0	0	0	1.00	-584041		
	0	0						
2383	Mass ordinate for TOPSOIL = 60210							
2384								
2385	470+00.00 EARTH							
2386	Common Exc	0	0	0	1.00			
	25805	25805						
2387	Subgrade Exc	0	0	0	1.00			
	0	0						
2388	Subsoil Exc	0	0	0	1.00			
	0	0						
2389	Fill	1112	2024	2024	1.00	-586065	611870	
	611870							
2390	TOPSOIL							
2391	Common Exc	0	0	0	1.00			
	12486	12486						
2392	Subgrade Exc	0	0	0	1.00			
	0	0						
2393	Subsoil Exc	185	342	342	1.00			
	48066	48066						
2394	Fill	0	0	0	1.00	-586065		
	0	0						
2395	Mass ordinate for TOPSOIL = 60552							
2396								
2397	470+50.00 EARTH							
2398	Common Exc	0	0	0	1.00			
	25805	25805						
2399	Subgrade Exc	0	0	0	1.00			
	0	0						
2400	Subsoil Exc	0	0	0	1.00			
	0	0						
2401	Fill	1137	2082	2082	1.00	-588147	613952	
	613952							
2402	TOPSOIL							
2403	Common Exc	0	0	0	1.00			
	12486	12486						
2404	Subgrade Exc	0	0	0	1.00			
	0	0						
2405	Subsoil Exc	188	345	345	1.00			

	48411	48411						
2406	Fill	0	0	0	0	1.00	-588147	
	0	0						
2407	Mass ordinate for TOPSOIL = 60897							
2408								
2409	471+00.00 EARTH							
2410	Common Exc	0	0	0	0	1.00		
	25805	25805						
2411	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2412	Subsoil Exc	0	0	0	0	1.00		
	0	0						
2413	Fill	1142	2110	2110	1.00	-590257	616062	
	616062							
2414	TOPSOIL							
2415	Common Exc	0	0	0	0	1.00		
	12486	12486						
2416	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2417	Subsoil Exc	188	348	348	1.00			
	48759	48759						
2418	Fill	0	0	0	1.00	-590257		
	0	0						
2419	Mass ordinate for TOPSOIL = 61245							
2420								
2421	471+50.00 EARTH							
2422	Common Exc	0	0	0	0	1.00		
	25805	25805						
2423	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2424	Subsoil Exc	0	0	0	0	1.00		
	0	0						
2425	Fill	1115	2090	2090	1.00	-592347	618152	
	618152							
2426	TOPSOIL							
2427	Common Exc	0	0	0	0	1.00		
	12486	12486						
2428	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2429	Subsoil Exc	185	345	345	1.00			
	49104	49104						
2430	Fill	0	0	0	1.00	-592347		
	0	0						
2431	Mass ordinate for TOPSOIL = 61590							
2432								
2433	472+00.00 EARTH							
2434	Common Exc	0	0	0	0	1.00		
	25805	25805						
2435	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2436	Subsoil Exc	0	0	0	0	1.00		
	0	0						
2437	Fill	1011	1969	1969	1.00	-594316	620121	
	620121							
2438	TOPSOIL							
2439	Common Exc	1	1	1	1.00			
	12487	12487						
2440	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2441	Subsoil Exc	182	340	340	1.00			
	49444	49444						
2442	Fill	0	0	0	1.00	-594316		
	0	0						
2443	Mass ordinate for TOPSOIL = 61931							
2444								
2445	472+50.00 EARTH							

2446		Common Exc	0	0	0	1.00		
		25805	25805					
2447		Subgrade Exc	0	0	0	1.00		
		0	0					
2448		Subsoil Exc	0	0	0	1.00		
		0	0					
2449		Fill	897	1767	1767	1.00	-596083	621888
		621888						
2450		TOPSOIL						
2451		Common Exc	4	5	5	1.00		
		12492	12492					
2452		Subgrade Exc	0	0	0	1.00		
		0	0					
2453		Subsoil Exc	183	338	338	1.00		
		49782	49782					
2454		Fill	0	0	0	1.00	-596083	
		0	0					
2455		Mass ordinate for TOPSOIL = 62274						
2456								
2457	473+00.00	EARTH						
2458		Common Exc	1	1	1	1.00		
		25806	25806					
2459		Subgrade Exc	0	0	0	1.00		
		0	0					
2460		Subsoil Exc	0	0	0	1.00		
		0	0					
2461		Fill	889	1654	1654	1.00	-597736	623542
		623542						
2462		TOPSOIL						
2463		Common Exc	9	12	12	1.00		
		12504	12504					
2464		Subgrade Exc	0	0	0	1.00		
		0	0					
2465		Subsoil Exc	183	339	339	1.00		
		50121	50121					
2466		Fill	0	0	0	1.00	-597736	
		0	0					
2467		Mass ordinate for TOPSOIL = 62625						
2468								
2469	473+50.00	EARTH						
2470		Common Exc	0	1	1	1.00		
		25807	25807					
2471		Subgrade Exc	0	0	0	1.00		
		0	0					
2472		Subsoil Exc	0	0	0	1.00		
		0	0					
2473		Fill	901	1657	1657	1.00	-599392	625199
		625199						
2474		TOPSOIL						
2475		Common Exc	6	14	14	1.00		
		12518	12518					
2476		Subgrade Exc	0	0	0	1.00		
		0	0					
2477		Subsoil Exc	184	340	340	1.00		
		50461	50461					
2478		Fill	0	0	0	1.00	-599392	
		0	0					
2479		Mass ordinate for TOPSOIL = 62979						
2480								
2481	473+65.94	EARTH						
2482		Common Exc	0	0	0	1.00		
		25807	25807					
2483		Subgrade Exc	0	0	0	1.00		
		0	0					
2484		Subsoil Exc	0	0	0	1.00		
		0	0					

2485		Fill	929	540	540	1.00	-599932	625739
		625739						
2486	TOPSOIL							
2487	Common Exc	7	4	4	1.00			
	12522	12522						
2488	Subgrade Exc	0	0	0	1.00			
	0	0						
2489	Subsoil Exc	184	109	109	1.00			
	50570	50570						
2490	Fill	0	0	0	1.00	-599932		
	0	0						
2491	Mass ordinate for TOPSOIL = 63092							
2492								
2493	474+00.00 EARTH							
2494	Common Exc	1	1	1	1.00			
	25808	25808						
2495	Subgrade Exc	0	0	0	1.00			
	0	0						
2496	Subsoil Exc	0	0	0	1.00			
	0	0						
2497	Fill	922	1168	1168	1.00	-601099	626907	
	626907							
2498	TOPSOIL							
2499	Common Exc	9	10	10	1.00			
	12532	12532						
2500	Subgrade Exc	0	0	0	1.00			
	0	0						
2501	Subsoil Exc	182	231	231	1.00			
	50801	50801						
2502	Fill	0	0	0	1.00	-601099		
	0	0						
2503	Mass ordinate for TOPSOIL = 63333							
2504								
2505	474+50.00 EARTH							
2506	Common Exc	5	6	6	1.00			
	25814	25814						
2507	Subgrade Exc	0	0	0	1.00			
	0	0						
2508	Subsoil Exc	0	0	0	1.00			
	0	0						
2509	Fill	853	1644	1644	1.00	-602737	628551	
	628551							
2510	TOPSOIL							
2511	Common Exc	13	20	20	1.00			
	12552	12552						
2512	Subgrade Exc	0	0	0	1.00			
	0	0						
2513	Subsoil Exc	179	334	334	1.00			
	51135	51135						
2514	Fill	0	0	0	1.00	-602737		
	0	0						
2515	Mass ordinate for TOPSOIL = 63687							
2516								
2517	474+98.25 EARTH							
2518	Common Exc	8	12	12	1.00			
	25826	25826						
2519	Subgrade Exc	0	0	0	1.00			
	0	0						
2520	Subsoil Exc	0	0	0	1.00			
	0	0						
2521	Fill	825	1499	1499	1.00	-604224	630050	
	630050							
2522	TOPSOIL							
2523	Common Exc	18	28	28	1.00			
	12580	12580						
2524	Subgrade Exc	0	0	0	1.00			

2525	0	0					
	Subsoil	Exc	164	306	306	1.00	
	51441	51441					
2526		Fill	0	0	0	1.00	-604224
	0	0					
2527	Mass ordinate for TOPSOIL = 64021						
2528							
2529	475+00.00 EARTH						
2530		Common	Exc	9	1	1	1.00
	25827	25827					
2531		Subgrade	Exc	0	0	0	1.00
	0	0					
2532		Subsoil	Exc	0	0	0	1.00
	0	0					
2533		Fill	825	53	53	1.00	-604276 630103
	630103						
2534	TOPSOIL						
2535		Common	Exc	18	1	1	1.00
	12581	12581					
2536		Subgrade	Exc	0	0	0	1.00
	0	0					
2537		Subsoil	Exc	164	11	11	1.00
	51452	51452					
2538		Fill	0	0	0	1.00	-604276
	0	0					
2539	Mass ordinate for TOPSOIL = 64033						
2540							
2541	475+50.00 EARTH						
2542		Common	Exc	2	10	10	1.00
	25837	25837					
2543		Subgrade	Exc	0	0	0	1.00
	0	0					
2544		Subsoil	Exc	0	0	0	1.00
	0	0					
2545		Fill	797	1502	1502	1.00	-605768 631605
	631605						
2546	TOPSOIL						
2547		Common	Exc	13	29	29	1.00
	12610	12610					
2548		Subgrade	Exc	0	0	0	1.00
	0	0					
2549		Subsoil	Exc	167	306	306	1.00
	51758	51758					
2550		Fill	0	0	0	1.00	-605768
	0	0					
2551	Mass ordinate for TOPSOIL = 64368						
2552							
2553	475+80.95 EARTH						
2554		Common	Exc	13	9	9	1.00
	25846	25846					
2555		Subgrade	Exc	0	0	0	1.00
	0	0					
2556		Subsoil	Exc	0	0	0	1.00
	0	0					
2557		Fill	775	901	901	1.00	-606660 632506
	632506						
2558	TOPSOIL						
2559		Common	Exc	21	19	19	1.00
	12629	12629					
2560		Subgrade	Exc	0	0	0	1.00
	0	0					
2561		Subsoil	Exc	172	194	194	1.00
	51952	51952					
2562		Fill	0	0	0	1.00	-606660
	0	0					
2563	Mass ordinate for TOPSOIL = 64581						

2564								
2565	476+00.00	EARTH						
2566		Common Exc	12	9	9	1.00		
		25855	25855					
2567		Subgrade Exc	0	0	0	1.00		
		0	0					
2568		Subsoil Exc	0	0	0	1.00		
		0	0					
2569		Fill	801	556	556	1.00	-607207	633062
		633062						
2570		TOPSOIL						
2571		Common Exc	24	16	16	1.00		
		12645	12645					
2572		Subgrade Exc	0	0	0	1.00		
		0	0					
2573		Subsoil Exc	182	125	125	1.00		
		52077	52077					
2574		Fill	0	0	0	1.00	-607207	
		0	0					
2575		Mass ordinate for TOPSOIL =	64722					
2576								
2577	476+50.00	EARTH						
2578		Common Exc	3	14	14	1.00		
		25869	25869					
2579		Subgrade Exc	0	0	0	1.00		
		0	0					
2580		Subsoil Exc	0	0	0	1.00		
		0	0					
2581		Fill	768	1453	1453	1.00	-608646	634515
		634515						
2582		TOPSOIL						
2583		Common Exc	15	36	36	1.00		
		12681	12681					
2584		Subgrade Exc	0	0	0	1.00		
		0	0					
2585		Subsoil Exc	180	335	335	1.00		
		52412	52412					
2586		Fill	0	0	0	1.00	-608646	
		0	0					
2587		Mass ordinate for TOPSOIL =	65093					
2588								
2589	476+63.64	EARTH						
2590		Common Exc	3	2	2	1.00		
		25871	25871					
2591		Subgrade Exc	0	0	0	1.00		
		0	0					
2592		Subsoil Exc	0	0	0	1.00		
		0	0					
2593		Fill	753	384	384	1.00	-609028	634899
		634899						
2594		TOPSOIL						
2595		Common Exc	14	7	7	1.00		
		12688	12688					
2596		Subgrade Exc	0	0	0	1.00		
		0	0					
2597		Subsoil Exc	178	90	90	1.00		
		52502	52502					
2598		Fill	0	0	0	1.00	-609028	
		0	0					
2599		Mass ordinate for TOPSOIL =	65190					
2600								
2601	477+00.00	EARTH						
2602		Common Exc	8	7	7	1.00		
		25878	25878					
2603		Subgrade Exc	0	0	0	1.00		
		0	0					

2604		Subsoil Exc	0	0	0	1.00		
		0	0					
2605		Fill	734	1001	1001	1.00	-610022	635900
		635900						
2606		TOPSOIL						
2607		Common Exc	16	20	20	1.00		
		12708	12708					
2608		Subgrade Exc	0	0	0	1.00		
		0	0					
2609		Subsoil Exc	182	242	242	1.00		
		52744	52744					
2610		Fill	0	0	0	1.00	-610022	
		0	0					
2611		Mass ordinate for TOPSOIL = 65452						
2612								
2613	477+50.00	EARTH						
2614		Common Exc	26	31	31	1.00		
		25909	25909					
2615		Subgrade Exc	0	0	0	1.00		
		0	0					
2616		Subsoil Exc	0	0	0	1.00		
		0	0					
2617		Fill	616	1250	1250	1.00	-611241	637150
		637150						
2618		TOPSOIL						
2619		Common Exc	24	37	37	1.00		
		12745	12745					
2620		Subgrade Exc	0	0	0	1.00		
		0	0					
2621		Subsoil Exc	172	328	328	1.00		
		53072	53072					
2622		Fill	0	0	0	1.00	-611241	
		0	0					
2623		Mass ordinate for TOPSOIL = 65817						
2624								
2625	478+00.00	EARTH						
2626		Common Exc	23	45	45	1.00		
		25954	25954					
2627		Subgrade Exc	0	0	0	1.00		
		0	0					
2628		Subsoil Exc	0	0	0	1.00		
		0	0					
2629		Fill	554	1083	1083	1.00	-612279	638233
		638233						
2630		TOPSOIL						
2631		Common Exc	24	44	44	1.00		
		12789	12789					
2632		Subgrade Exc	0	0	0	1.00		
		0	0					
2633		Subsoil Exc	168	315	315	1.00		
		53387	53387					
2634		Fill	0	0	0	1.00	-612279	
		0	0					
2635		Mass ordinate for TOPSOIL = 66176						
2636								
2637	478+50.00	EARTH						
2638		Common Exc	22	42	42	1.00		
		25996	25996					
2639		Subgrade Exc	0	0	0	1.00		
		0	0					
2640		Subsoil Exc	0	0	0	1.00		
		0	0					
2641		Fill	509	984	984	1.00	-613221	639217
		639217						
2642		TOPSOIL						
2643		Common Exc	26	46	46	1.00		

	12835	12835					
2644	Subgrade Exc	0	0	0	1.00		
	0	0					
2645	Subsoil Exc	165	308	308	1.00		
	53695	53695					
2646	Fill	0	0	0	1.00	-613221	
	0	0					
2647	Mass ordinate for TOPSOIL = 66530						
2648							
2649	478+59.92 EARTH						
2650	Common Exc	23	8	8	1.00		
	26004	26004					
2651	Subgrade Exc	0	0	0	1.00		
	0	0					
2652	Subsoil Exc	0	0	0	1.00		
	0	0					
2653	Fill	501	186	186	1.00	-613399	639403
	639403						
2654	TOPSOIL						
2655	Common Exc	26	10	10	1.00		
	12845	12845					
2656	Subgrade Exc	0	0	0	1.00		
	0	0					
2657	Subsoil Exc	164	60	60	1.00		
	53755	53755					
2658	Fill	0	0	0	1.00	-613399	
	0	0					
2659	Mass ordinate for TOPSOIL = 66600						
2660							
2661	479+00.00 EARTH						
2662	Common Exc	17	30	30	1.00		
	26034	26034					
2663	Subgrade Exc	0	0	0	1.00		
	0	0					
2664	Subsoil Exc	0	0	0	1.00		
	0	0					
2665	Fill	462	715	715	1.00	-614084	640118
	640118						
2666	TOPSOIL						
2667	Common Exc	23	36	36	1.00		
	12881	12881					
2668	Subgrade Exc	0	0	0	1.00		
	0	0					
2669	Subsoil Exc	163	243	243	1.00		
	53998	53998					
2670	Fill	0	0	0	1.00	-614084	
	0	0					
2671	Mass ordinate for TOPSOIL = 66879						
2672							
2673	479+50.00 EARTH						
2674	Common Exc	10	25	25	1.00		
	26059	26059					
2675	Subgrade Exc	0	0	0	1.00		
	0	0					
2676	Subsoil Exc	0	0	0	1.00		
	0	0					
2677	Fill	447	842	842	1.00	-614901	640960
	640960						
2678	TOPSOIL						
2679	Common Exc	19	39	39	1.00		
	12920	12920					
2680	Subgrade Exc	0	0	0	1.00		
	0	0					
2681	Subsoil Exc	161	300	300	1.00		
	54298	54298					
2682	Fill	0	0	0	1.00	-614901	

2683	0	0	Mass ordinate for TOPSOIL = 67218				
2684							
2685	480+00.00	EARTH					
2686	Common Exc	6	15	15	1.00		
	26074	26074					
2687	Subgrade Exc	0	0	0	1.00		
	0	0					
2688	Subsoil Exc	0	0	0	1.00		
	0	0					
2689	Fill	452	832	832	1.00	-615718	641792
	641792						
2690	TOPSOIL						
2691	Common Exc	16	32	32	1.00		
	12952	12952					
2692	Subgrade Exc	0	0	0	1.00		
	0	0					
2693	Subsoil Exc	162	299	299	1.00		
	54597	54597					
2694	Fill	0	0	0	1.00	-615718	
	0	0					
2695	Mass ordinate for TOPSOIL = 67549						
2696							
2697	480+50.00	EARTH					
2698	Common Exc	2	7	7	1.00		
	26081	26081					
2699	Subgrade Exc	0	0	0	1.00		
	0	0					
2700	Subsoil Exc	0	0	0	1.00		
	0	0					
2701	Fill	485	868	868	1.00	-616579	642660
	642660						
2702	TOPSOIL						
2703	Common Exc	11	25	25	1.00		
	12977	12977					
2704	Subgrade Exc	0	0	0	1.00		
	0	0					
2705	Subsoil Exc	164	302	302	1.00		
	54899	54899					
2706	Fill	0	0	0	1.00	-616579	
	0	0					
2707	Mass ordinate for TOPSOIL = 67876						
2708							
2709	481+00.00	EARTH					
2710	Common Exc	0	2	2	1.00		
	26083	26083					
2711	Subgrade Exc	0	0	0	1.00		
	0	0					
2712	Subsoil Exc	0	0	0	1.00		
	0	0					
2713	Fill	540	949	949	1.00	-617526	643609
	643609						
2714	TOPSOIL						
2715	Common Exc	8	18	18	1.00		
	12995	12995					
2716	Subgrade Exc	0	0	0	1.00		
	0	0					
2717	Subsoil Exc	169	308	308	1.00		
	55207	55207					
2718	Fill	0	0	0	1.00	-617526	
	0	0					
2719	Mass ordinate for TOPSOIL = 68202						
2720							
2721	481+50.00	EARTH					
2722	Common Exc	0	0	0	1.00		
	26083	26083					

2723	Subgrade Exc	0	0	0	1.00		
	0	0					
2724	Subsoil Exc	0	0	0	1.00		
	0	0					
2725	Fill	603	1058	1058	1.00	-618584	644667
	644667						
2726	TOPSOIL						
2727	Common Exc	4	11	11	1.00		
	13006	13006					
2728	Subgrade Exc	0	0	0	1.00		
	0	0					
2729	Subsoil Exc	170	314	314	1.00		
	55521	55521					
2730	Fill	0	0	0	1.00	-618584	
	0	0					
2731	Mass ordinate for TOPSOIL = 68527						
2732							
2733	482+00.00 EARTH						
2734	Common Exc	0	0	0	1.00		
	26083	26083					
2735	Subgrade Exc	0	0	0	1.00		
	0	0					
2736	Subsoil Exc	0	0	0	1.00		
	0	0					
2737	Fill	631	1143	1143	1.00	-619727	645810
	645810						
2738	TOPSOIL						
2739	Common Exc	2	6	6	1.00		
	13012	13012					
2740	Subgrade Exc	0	0	0	1.00		
	0	0					
2741	Subsoil Exc	171	316	316	1.00		
	55837	55837					
2742	Fill	0	0	0	1.00	-619727	
	0	0					
2743	Mass ordinate for TOPSOIL = 68849						
2744							
2745	482+50.00 EARTH						
2746	Common Exc	0	0	0	1.00		
	26083	26083					
2747	Subgrade Exc	0	0	0	1.00		
	0	0					
2748	Subsoil Exc	0	0	0	1.00		
	0	0					
2749	Fill	666	1201	1201	1.00	-620928	647011
	647011						
2750	TOPSOIL						
2751	Common Exc	0	2	2	1.00		
	13014	13014					
2752	Subgrade Exc	0	0	0	1.00		
	0	0					
2753	Subsoil Exc	172	318	318	1.00		
	56155	56155					
2754	Fill	0	0	0	1.00	-620928	
	0	0					
2755	Mass ordinate for TOPSOIL = 69169						
2756							
2757	483+00.00 EARTH						
2758	Common Exc	0	0	0	1.00		
	26083	26083					
2759	Subgrade Exc	0	0	0	1.00		
	0	0					
2760	Subsoil Exc	0	0	0	1.00		
	0	0					
2761	Fill	693	1258	1258	1.00	-622186	648269
	648269						

2762	TOPSOIL							
2763	Common Exc	0	0	0	1.00			
	13014	13014						
2764	Subgrade Exc	0	0	0	1.00			
	0	0						
2765	Subsoil Exc	172	319	319	1.00			
	56474	56474						
2766	Fill	0	0	0	1.00	-622186		
	0	0						
2767	Mass ordinate for TOPSOIL = 69488							
2768								
2769	483+50.00 EARTH							
2770	Common Exc	0	0	0	1.00			
	26083	26083						
2771	Subgrade Exc	0	0	0	1.00			
	0	0						
2772	Subsoil Exc	0	0	0	1.00			
	0	0						
2773	Fill	724	1312	1312	1.00	-623498	649581	
	649581							
2774	TOPSOIL							
2775	Common Exc	0	0	0	1.00			
	13014	13014						
2776	Subgrade Exc	0	0	0	1.00			
	0	0						
2777	Subsoil Exc	175	321	321	1.00			
	56795	56795						
2778	Fill	0	0	0	1.00	-623498		
	0	0						
2779	Mass ordinate for TOPSOIL = 69809							
2780								
2781	484+00.00 EARTH							
2782	Common Exc	0	0	0	1.00			
	26083	26083						
2783	Subgrade Exc	0	0	0	1.00			
	0	0						
2784	Subsoil Exc	0	0	0	1.00			
	0	0						
2785	Fill	781	1394	1394	1.00	-624892	650975	
	650975							
2786	TOPSOIL							
2787	Common Exc	0	0	0	1.00			
	13014	13014						
2788	Subgrade Exc	0	0	0	1.00			
	0	0						
2789	Subsoil Exc	176	325	325	1.00			
	57120	57120						
2790	Fill	0	0	0	1.00	-624892		
	0	0						
2791	Mass ordinate for TOPSOIL = 70134							
2792								
2793	484+50.00 EARTH							
2794	Common Exc	0	0	0	1.00			
	26083	26083						
2795	Subgrade Exc	0	0	0	1.00			
	0	0						
2796	Subsoil Exc	0	0	0	1.00			
	0	0						
2797	Fill	783	1448	1448	1.00	-626340	652423	
	652423							
2798	TOPSOIL							
2799	Common Exc	0	0	0	1.00			
	13014	13014						
2800	Subgrade Exc	0	0	0	1.00			
	0	0						
2801	Subsoil Exc	176	326	326	1.00			

2802	57446	57446						
	Fill	0	0	0	0	1.00	-626340	
	0	0						
2803	Mass ordinate for TOPSOIL = 70460							
2804								
2805	485+00.00	EARTH						
2806	Common Exc	0	0	0	0	1.00		
	26083	26083						
2807	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2808	Subsoil Exc	0	0	0	0	1.00		
	0	0						
2809	Fill	762	1431	1431	1.00	-627771	653854	
	653854							
2810	TOPSOIL							
2811	Common Exc	0	0	0	0	1.00		
	13014	13014						
2812	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2813	Subsoil Exc	175	325	325	1.00			
	57771	57771						
2814	Fill	0	0	0	1.00	-627771		
	0	0						
2815	Mass ordinate for TOPSOIL = 70785							
2816								
2817	485+50.00	EARTH						
2818	Common Exc	0	0	0	0	1.00		
	26083	26083						
2819	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2820	Subsoil Exc	0	0	0	0	1.00		
	0	0						
2821	Fill	691	1345	1345	1.00	-629116	655199	
	655199							
2822	TOPSOIL							
2823	Common Exc	0	0	0	0	1.00		
	13014	13014						
2824	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2825	Subsoil Exc	174	323	323	1.00			
	58094	58094						
2826	Fill	0	0	0	1.00	-629116		
	0	0						
2827	Mass ordinate for TOPSOIL = 71108							
2828								
2829	486+00.00	EARTH						
2830	Common Exc	0	0	0	0	1.00		
	26083	26083						
2831	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2832	Subsoil Exc	0	0	0	0	1.00		
	0	0						
2833	Fill	678	1268	1268	1.00	-630384	656467	
	656467							
2834	TOPSOIL							
2835	Common Exc	0	0	0	0	1.00		
	13014	13014						
2836	Subgrade Exc	0	0	0	0	1.00		
	0	0						
2837	Subsoil Exc	172	320	320	1.00			
	58414	58414						
2838	Fill	0	0	0	1.00	-630384		
	0	0						
2839	Mass ordinate for TOPSOIL = 71428							
2840								
2841	486+50.00	EARTH						

2842		Common Exc	0	0	0	1.00		
		26083	26083					
2843		Subgrade Exc	0	0	0	1.00		
		0	0					
2844		Subsoil Exc	0	0	0	1.00		
		0	0					
2845		Fill	683	1260	1260	1.00	-631644	657727
		657727						
2846		TOPSOIL						
2847		Common Exc	0	0	0	1.00		
		13014	13014					
2848		Subgrade Exc	0	0	0	1.00		
		0	0					
2849		Subsoil Exc	171	318	318	1.00		
		58732	58732					
2850		Fill	0	0	0	1.00	-631644	
		0	0					
2851		Mass ordinate for TOPSOIL = 71746						
2852								
2853	487+00.00	EARTH						
2854		Common Exc	0	0	0	1.00		
		26083	26083					
2855		Subgrade Exc	0	0	0	1.00		
		0	0					
2856		Subsoil Exc	0	0	0	1.00		
		0	0					
2857		Fill	648	1232	1232	1.00	-632876	658959
		658959						
2858		TOPSOIL						
2859		Common Exc	1	1	1	1.00		
		13015	13015					
2860		Subgrade Exc	0	0	0	1.00		
		0	0					
2861		Subsoil Exc	172	318	318	1.00		
		59050	59050					
2862		Fill	0	0	0	1.00	-632876	
		0	0					
2863		Mass ordinate for TOPSOIL = 72065						
2864								
2865	487+50.00	EARTH						
2866		Common Exc	1	1	1	1.00		
		26084	26084					
2867		Subgrade Exc	0	0	0	1.00		
		0	0					
2868		Subsoil Exc	0	0	0	1.00		
		0	0					
2869		Fill	520	1081	1081	1.00	-633956	660040
		660040						
2870		TOPSOIL						
2871		Common Exc	9	9	9	1.00		
		13024	13024					
2872		Subgrade Exc	0	0	0	1.00		
		0	0					
2873		Subsoil Exc	166	313	313	1.00		
		59363	59363					
2874		Fill	0	0	0	1.00	-633956	
		0	0					
2875		Mass ordinate for TOPSOIL = 72387						
2876								
2877	488+00.00	EARTH						
2878		Common Exc	9	9	9	1.00		
		26093	26093					
2879		Subgrade Exc	0	0	0	1.00		
		0	0					
2880		Subsoil Exc	0	0	0	1.00		
		0	0					

2881		Fill	371	825	825	1.00	-634772	660865
		660865						
2882	TOPSOIL							
2883	Common Exc	19	26	26	1.00			
	13050	13050						
2884	Subgrade Exc	0	0	0	1.00			
	0	0						
2885	Subsoil Exc	155	297	297	1.00			
	59660	59660						
2886	Fill	0	0	0	1.00	-634772		
	0	0						
2887	Mass ordinate for TOPSOIL = 72710							
2888								
2889	488+50.00 EARTH							
2890	Common Exc	50	55	55	1.00			
	26148	26148						
2891	Subgrade Exc	0	0	0	1.00			
	0	0						
2892	Subsoil Exc	0	0	0	1.00			
	0	0						
2893	Fill	182	512	512	1.00	-635229	661377	
	661377							
2894	TOPSOIL							
2895	Common Exc	68	81	81	1.00			
	13131	13131						
2896	Subgrade Exc	0	0	0	1.00			
	0	0						
2897	Subsoil Exc	115	250	250	1.00			
	59910	59910						
2898	Fill	0	0	0	1.00	-635229		
	0	0						
2899	Mass ordinate for TOPSOIL = 73041							
2900								
2901	489+00.00 EARTH							
2902	Common Exc	243	271	271	1.00			
	26419	26419						
2903	Subgrade Exc	0	0	0	1.00			
	0	0						
2904	Subsoil Exc	0	0	0	1.00			
	0	0						
2905	Fill	6	174	174	1.00	-635132	661551	
	661551							
2906	TOPSOIL							
2907	Common Exc	193	242	242	1.00			
	13373	13373						
2908	Subgrade Exc	0	0	0	1.00			
	0	0						
2909	Subsoil Exc	6	112	112	1.00			
	60022	60022						
2910	Fill	0	0	0	1.00	-635132		
	0	0						
2911	Mass ordinate for TOPSOIL = 73395							
2912								
2913	489+50.00 EARTH							
2914	Common Exc	715	887	887	1.00			
	27306	27306						
2915	Subgrade Exc	0	0	0	1.00			
	0	0						
2916	Subsoil Exc	0	0	0	1.00			
	0	0						
2917	Fill	4	9	9	1.00	-634254	661560	
	661560							
2918	TOPSOIL							
2919	Common Exc	215	378	378	1.00			
	13751	13751						
2920	Subgrade Exc	0	0	0	1.00			

2921	0	0					
	Subsoil	Exc	4	9	9	1.00	
	60031	60031					
2922		Fill	0	0	0	1.00	-634254
	0	0					
2923	Mass ordinate for TOPSOIL = 73782						
2924							
2925	490+00.00 EARTH						
2926		Common	Exc	1280	1847	1847	1.00
	29153	29153					
2927		Subgrade	Exc	0	0	0	1.00
	0	0					
2928		Subsoil	Exc	0	0	0	1.00
	0	0					
2929		Fill	4	7	7	1.00	-632414 661567
	661567						
2930	TOPSOIL						
2931		Common	Exc	238	419	419	1.00
	14170	14170					
2932		Subgrade	Exc	0	0	0	1.00
	0	0					
2933		Subsoil	Exc	4	7	7	1.00
	60038	60038					
2934		Fill	0	0	0	1.00	-632414
	0	0					
2935	Mass ordinate for TOPSOIL = 74208						
2936							
2937	490+50.00 EARTH						
2938		Common	Exc	1703	2762	2762	1.00
	31915	31915					
2939		Subgrade	Exc	0	0	0	1.00
	0	0					
2940		Subsoil	Exc	0	0	0	1.00
	0	0					
2941		Fill	3	6	6	1.00	-629658 661573
	661573						
2942	TOPSOIL						
2943		Common	Exc	239	442	442	1.00
	14612	14612					
2944		Subgrade	Exc	0	0	0	1.00
	0	0					
2945		Subsoil	Exc	3	6	6	1.00
	60044	60044					
2946		Fill	0	0	0	1.00	-629658
	0	0					
2947	Mass ordinate for TOPSOIL = 74656						
2948							
2949	491+00.00 EARTH						
2950		Common	Exc	1926	3360	3360	1.00
	35275	35275					
2951		Subgrade	Exc	0	0	0	1.00
	0	0					
2952		Subsoil	Exc	0	0	0	1.00
	0	0					
2953		Fill	4	6	6	1.00	-626304 661579
	661579						
2954	TOPSOIL						
2955		Common	Exc	245	448	448	1.00
	15060	15060					
2956		Subgrade	Exc	0	0	0	1.00
	0	0					
2957		Subsoil	Exc	4	6	6	1.00
	60050	60050					
2958		Fill	0	0	0	1.00	-626304
	0	0					
2959	Mass ordinate for TOPSOIL = 75110						

2960								
2961	491+50.00	EARTH						
2962		Common Exc	1796	3446	3446	1.00		
		38721	38721					
2963		Subgrade Exc	0	0	0	1.00		
		0	0					
2964		Subsoil Exc	0	0	0	1.00		
		0	0					
2965		Fill	4	7	7	1.00	-622865	661586
		661586						
2966		TOPSOIL						
2967		Common Exc	254	462	462	1.00		
		15522	15522					
2968		Subgrade Exc	0	0	0	1.00		
		0	0					
2969		Subsoil Exc	4	7	7	1.00		
		60057	60057					
2970		Fill	0	0	0	1.00	-622865	
		0	0					
2971		Mass ordinate for TOPSOIL = 75579						
2972								
2973	492+00.00	EARTH						
2974		Common Exc	1356	2919	2919	1.00		
		41640	41640					
2975		Subgrade Exc	0	0	0	1.00		
		0	0					
2976		Subsoil Exc	0	0	0	1.00		
		0	0					
2977		Fill	4	7	7	1.00	-619953	661593
		661593						
2978		TOPSOIL						
2979		Common Exc	240	457	457	1.00		
		15979	15979					
2980		Subgrade Exc	0	0	0	1.00		
		0	0					
2981		Subsoil Exc	4	7	7	1.00		
		60064	60064					
2982		Fill	0	0	0	1.00	-619953	
		0	0					
2983		Mass ordinate for TOPSOIL = 76043						
2984								
2985	492+50.00	EARTH						
2986		Common Exc	909	2097	2097	1.00		
		43737	43737					
2987		Subgrade Exc	0	0	0	1.00		
		0	0					
2988		Subsoil Exc	0	0	0	1.00		
		0	0					
2989		Fill	4	7	7	1.00	-617863	661600
		661600						
2990		TOPSOIL						
2991		Common Exc	221	427	427	1.00		
		16406	16406					
2992		Subgrade Exc	0	0	0	1.00		
		0	0					
2993		Subsoil Exc	4	7	7	1.00		
		60071	60071					
2994		Fill	0	0	0	1.00	-617863	
		0	0					
2995		Mass ordinate for TOPSOIL = 76477						
2996								
2997	493+00.00	EARTH						
2998		Common Exc	393	1206	1206	1.00		
		44943	44943					
2999		Subgrade Exc	0	0	0	1.00		
		0	0					

3000		Subsoil Exc	0	0	0	1.00		
		0	0					
3001		Fill	21	23	23	1.00	-616680	661623
		661623						
3002		TOPSOIL						
3003		Common Exc	182	373	373	1.00		
		16779	16779					
3004		Subgrade Exc	0	0	0	1.00		
		0	0					
3005		Subsoil Exc	21	23	23	1.00		
		60094	60094					
3006		Fill	0	0	0	1.00	-616680	
		0	0					
3007		Mass ordinate for TOPSOIL = 76873						
3008								
3009	493+50.00	EARTH						
3010		Common Exc	96	453	453	1.00		
		45396	45396					
3011		Subgrade Exc	0	0	0	1.00		
		0	0					
3012		Subsoil Exc	0	0	0	1.00		
		0	0					
3013		Fill	435	422	422	1.00	-616649	662045
		662045						
3014		TOPSOIL						
3015		Common Exc	69	232	232	1.00		
		17011	17011					
3016		Subgrade Exc	0	0	0	1.00		
		0	0					
3017		Subsoil Exc	142	151	151	1.00		
		60245	60245					
3018		Fill	0	0	0	1.00	-616649	
		0	0					
3019		Mass ordinate for TOPSOIL = 77256						
3020								
3021	494+00.00	EARTH						
3022		Common Exc	0	89	89	1.00		
		45485	45485					
3023		Subgrade Exc	0	0	0	1.00		
		0	0					
3024		Subsoil Exc	0	0	0	1.00		
		0	0					
3025		Fill	1076	1399	1399	1.00	-617959	663444
		663444						
3026		TOPSOIL						
3027		Common Exc	2	66	66	1.00		
		17077	17077					
3028		Subgrade Exc	0	0	0	1.00		
		0	0					
3029		Subsoil Exc	184	302	302	1.00		
		60547	60547					
3030		Fill	0	0	0	1.00	-617959	
		0	0					
3031		Mass ordinate for TOPSOIL = 77624						
3032								
3033	494+50.00	EARTH						
3034		Common Exc	0	0	0	1.00		
		45485	45485					
3035		Subgrade Exc	0	0	0	1.00		
		0	0					
3036		Subsoil Exc	0	0	0	1.00		
		0	0					
3037		Fill	1657	2531	2531	1.00	-620490	665975
		665975						
3038		TOPSOIL						
3039		Common Exc	0	2	2	1.00		

	17079	17079						
3040	Subgrade Exc	0	0	0	0	1.00		
	0	0						
3041	Subsoil Exc	207	362	362	1.00			
	60909	60909						
3042	Fill	0	0	0	1.00	-620490		
	0	0						
3043	Mass ordinate for TOPSOIL = 77988							
3044								
3045	495+00.00 EARTH							
3046	Common Exc	0	0	0	1.00			
	45485	45485						
3047	Subgrade Exc	0	0	0	1.00			
	0	0						
3048	Subsoil Exc	0	0	0	1.00			
	0	0						
3049	Fill	1869	3265	3265	1.00	-623755	669240	
	669240							
3050	TOPSOIL							
3051	Common Exc	2	2	2	1.00			
	17081	17081						
3052	Subgrade Exc	0	0	0	1.00			
	0	0						
3053	Subsoil Exc	205	381	381	1.00			
	61290	61290						
3054	Fill	0	0	0	1.00	-623755		
	0	0						
3055	Mass ordinate for TOPSOIL = 78371							
3056								
3057	495+50.00 EARTH							
3058	Common Exc	0	0	0	1.00			
	45485	45485						
3059	Subgrade Exc	0	0	0	1.00			
	0	0						
3060	Subsoil Exc	0	0	0	1.00			
	0	0						
3061	Fill	1930	3518	3518	1.00	-627273	672758	
	672758							
3062	TOPSOIL							
3063	Common Exc	2	4	4	1.00			
	17085	17085						
3064	Subgrade Exc	0	0	0	1.00			
	0	0						
3065	Subsoil Exc	201	376	376	1.00			
	61666	61666						
3066	Fill	0	0	0	1.00	-627273		
	0	0						
3067	Mass ordinate for TOPSOIL = 78751							
3068								
3069	496+00.00 EARTH							
3070	Common Exc	31	29	29	1.00			
	45514	45514						
3071	Subgrade Exc	0	0	0	1.00			
	0	0						
3072	Subsoil Exc	0	0	0	1.00			
	0	0						
3073	Fill	2019	3656	3656	1.00	-630900	676414	
	676414							
3074	TOPSOIL							
3075	Common Exc	29	29	29	1.00			
	17114	17114						
3076	Subgrade Exc	0	0	0	1.00			
	0	0						
3077	Subsoil Exc	196	368	368	1.00			
	62034	62034						
3078	Fill	0	0	0	1.00	-630900		

3079		0	0					
3080		Mass ordinate for TOPSOIL = 79148						
3081	496+50.00	EARTH						
3082		Common Exc	6	34	34	1.00		
		45548	45548					
3083		Subgrade Exc	0	0	0	1.00		
		0	0					
3084		Subsoil Exc	0	0	0	1.00		
		0	0					
3085		Fill	1947	3672	3672	1.00	-634538	680086
		680086						
3086		TOPSOIL						
3087		Common Exc	13	39	39	1.00		
		17153	17153					
3088		Subgrade Exc	0	0	0	1.00		
		0	0					
3089		Subsoil Exc	186	354	354	1.00		
		62388	62388					
3090		Fill	0	0	0	1.00	-634538	
		0	0					
3091		Mass ordinate for TOPSOIL = 79541						
3092								
3093	497+00.00	EARTH						
3094		Common Exc	38	41	41	1.00		
		45589	45589					
3095		Subgrade Exc	0	0	0	1.00		
		0	0					
3096		Subsoil Exc	0	0	0	1.00		
		0	0					
3097		Fill	1658	3338	3338	1.00	-637835	683424
		683424						
3098		TOPSOIL						
3099		Common Exc	24	34	34	1.00		
		17187	17187					
3100		Subgrade Exc	0	0	0	1.00		
		0	0					
3101		Subsoil Exc	175	334	334	1.00		
		62722	62722					
3102		Fill	0	0	0	1.00	-637835	
		0	0					
3103		Mass ordinate for TOPSOIL = 79909						
3104								
3105	497+50.00	EARTH						
3106		Common Exc	40	72	72	1.00		
		45661	45661					
3107		Subgrade Exc	0	0	0	1.00		
		0	0					
3108		Subsoil Exc	0	0	0	1.00		
		0	0					
3109		Fill	1772	3176	3176	1.00	-640939	686600
		686600						
3110		TOPSOIL						
3111		Common Exc	38	57	57	1.00		
		17244	17244					
3112		Subgrade Exc	0	0	0	1.00		
		0	0					
3113		Subsoil Exc	188	336	336	1.00		
		63058	63058					
3114		Fill	0	0	0	1.00	-640939	
		0	0					
3115		Mass ordinate for TOPSOIL = 80302						
3116								
3117	498+00.00	EARTH						
3118		Common Exc	16	52	52	1.00		
		45713	45713					

3119		Subgrade Exc	0	0	0	1.00		
		0	0					
3120		Subsoil Exc	0	0	0	1.00		
		0	0					
3121		Fill	1571	3095	3095	1.00	-643982	689695
		689695						
3122		TOPSOIL						
3123		Common Exc	17	51	51	1.00		
		17295	17295					
3124		Subgrade Exc	0	0	0	1.00		
		0	0					
3125		Subsoil Exc	182	343	343	1.00		
		63401	63401					
3126		Fill	0	0	0	1.00	-643982	
		0	0					
3127		Mass ordinate for TOPSOIL =	80696					
3128								
3129	498+50.00	EARTH						
3130		Common Exc	3	18	18	1.00		
		45731	45731					
3131		Subgrade Exc	0	0	0	1.00		
		0	0					
3132		Subsoil Exc	0	0	0	1.00		
		0	0					
3133		Fill	1364	2718	2718	1.00	-646682	692413
		692413						
3134		TOPSOIL						
3135		Common Exc	9	24	24	1.00		
		17319	17319					
3136		Subgrade Exc	0	0	0	1.00		
		0	0					
3137		Subsoil Exc	169	325	325	1.00		
		63726	63726					
3138		Fill	0	0	0	1.00	-646682	
		0	0					
3139		Mass ordinate for TOPSOIL =	81045					
3140								
3141	499+00.00	EARTH						
3142		Common Exc	1	4	4	1.00		
		45735	45735					
3143		Subgrade Exc	0	0	0	1.00		
		0	0					
3144		Subsoil Exc	0	0	0	1.00		
		0	0					
3145		Fill	1354	2517	2517	1.00	-649195	694930
		694930						
3146		TOPSOIL						
3147		Common Exc	7	15	15	1.00		
		17334	17334					
3148		Subgrade Exc	0	0	0	1.00		
		0	0					
3149		Subsoil Exc	186	329	329	1.00		
		64055	64055					
3150		Fill	0	0	0	1.00	-649195	
		0	0					
3151		Mass ordinate for TOPSOIL =	81389					
3152								
3153	499+50.00	EARTH						
3154		Common Exc	2	3	3	1.00		
		45738	45738					
3155		Subgrade Exc	0	0	0	1.00		
		0	0					
3156		Subsoil Exc	0	0	0	1.00		
		0	0					
3157		Fill	1232	2394	2394	1.00	-651586	697324
		697324						

3158	TOPSOIL							
3159	Common Exc	9	15	15	1.00			
	17349	17349						
3160	Subgrade Exc	0	0	0	1.00			
	0	0						
3161	Subsoil Exc	184	343	343	1.00			
	64398	64398						
3162	Fill	0	0	0	1.00	-651586		
	0	0						
3163	Mass ordinate for TOPSOIL = 81747							
3164								
3165	500+00.00 EARTH							
3166	Common Exc	2	4	4	1.00			
	45742	45742						
3167	Subgrade Exc	0	0	0	1.00			
	0	0						
3168	Subsoil Exc	0	0	0	1.00			
	0	0						
3169	Fill	1075	2136	2136	1.00	-653718	699460	
	699460							
3170	TOPSOIL							
3171	Common Exc	10	18	18	1.00			
	17367	17367						
3172	Subgrade Exc	0	0	0	1.00			
	0	0						
3173	Subsoil Exc	179	336	336	1.00			
	64734	64734						
3174	Fill	0	0	0	1.00	-653718		
	0	0						
3175	Mass ordinate for TOPSOIL = 82101							
3176								
3177	500+50.00 EARTH							
3178	Common Exc	3	5	5	1.00			
	45747	45747						
3179	Subgrade Exc	0	0	0	1.00			
	0	0						
3180	Subsoil Exc	0	0	0	1.00			
	0	0						
3181	Fill	848	1781	1781	1.00	-655494	701241	
	701241							
3182	TOPSOIL							
3183	Common Exc	14	22	22	1.00			
	17389	17389						
3184	Subgrade Exc	0	0	0	1.00			
	0	0						
3185	Subsoil Exc	175	328	328	1.00			
	65062	65062						
3186	Fill	0	0	0	1.00	-655494		
	0	0						
3187	Mass ordinate for TOPSOIL = 82451							
3188								
3189	501+00.00 EARTH							
3190	Common Exc	20	21	21	1.00			
	45768	45768						
3191	Subgrade Exc	0	0	0	1.00			
	0	0						
3192	Subsoil Exc	0	0	0	1.00			
	0	0						
3193	Fill	544	1289	1289	1.00	-656762	702530	
	702530							
3194	TOPSOIL							
3195	Common Exc	34	44	44	1.00			
	17433	17433						
3196	Subgrade Exc	0	0	0	1.00			
	0	0						
3197	Subsoil Exc	151	302	302	1.00			

3198	65364	65364						
	Fill	0	0	0	0	1.00	-656762	
	0	0						
3199	Mass ordinate for TOPSOIL = 82797							
3200								
3201	501+50.00 EARTH							
3202	Common Exc	69	82	82	1.00			
	45850	45850						
3203	Subgrade Exc	0	0	0	1.00			
	0	0						
3204	Subsoil Exc	0	0	0	1.00			
	0	0						
3205	Fill	375	851	851	1.00	-657531	703381	
	703381							
3206	TOPSOIL							
3207	Common Exc	66	93	93	1.00			
	17526	17526						
3208	Subgrade Exc	0	0	0	1.00			
	0	0						
3209	Subsoil Exc	133	263	263	1.00			
	65627	65627						
3210	Fill	0	0	0	1.00	-657531		
	0	0						
3211	Mass ordinate for TOPSOIL = 83153							
3212								
3213	502+00.00 EARTH							
3214	Common Exc	164	216	216	1.00			
	46066	46066						
3215	Subgrade Exc	0	0	0	1.00			
	0	0						
3216	Subsoil Exc	0	0	0	1.00			
	0	0						
3217	Fill	203	535	535	1.00	-657850	703916	
	703916							
3218	TOPSOIL							
3219	Common Exc	97	151	151	1.00			
	17677	17677						
3220	Subgrade Exc	0	0	0	1.00			
	0	0						
3221	Subsoil Exc	96	212	212	1.00			
	65839	65839						
3222	Fill	0	0	0	1.00	-657850		
	0	0						
3223	Mass ordinate for TOPSOIL = 83516							
3224								
3225	502+50.00 EARTH							
3226	Common Exc	279	410	410	1.00			
	46476	46476						
3227	Subgrade Exc	0	0	0	1.00			
	0	0						
3228	Subsoil Exc	0	0	0	1.00			
	0	0						
3229	Fill	63	246	246	1.00	-657686	704162	
	704162							
3230	TOPSOIL							
3231	Common Exc	142	221	221	1.00			
	17898	17898						
3232	Subgrade Exc	0	0	0	1.00			
	0	0						
3233	Subsoil Exc	58	143	143	1.00			
	65982	65982						
3234	Fill	0	0	0	1.00	-657686		
	0	0						
3235	Mass ordinate for TOPSOIL = 83880							
3236								
3237	503+00.00 EARTH							

3238		Common Exc	491	713	713	1.00		
		47189	47189					
3239		Subgrade Exc	0	0	0	1.00		
		0	0					
3240		Subsoil Exc	0	0	0	1.00		
		0	0					
3241		Fill	4	62	62	1.00	-657035	704224
		704224						
3242		TOPSOIL						
3243		Common Exc	205	321	321	1.00		
		18219	18219					
3244		Subgrade Exc	0	0	0	1.00		
		0	0					
3245		Subsoil Exc	4	57	57	1.00		
		66039	66039					
3246		Fill	0	0	0	1.00	-657035	
		0	0					
3247		Mass ordinate for TOPSOIL =	84258					
3248								
3249	503+50.00	EARTH						
3250		Common Exc	791	1187	1187	1.00		
		48376	48376					
3251		Subgrade Exc	0	0	0	1.00		
		0	0					
3252		Subsoil Exc	0	0	0	1.00		
		0	0					
3253		Fill	4	7	7	1.00	-655855	704231
		704231						
3254		TOPSOIL						
3255		Common Exc	217	391	391	1.00		
		18610	18610					
3256		Subgrade Exc	0	0	0	1.00		
		0	0					
3257		Subsoil Exc	4	7	7	1.00		
		66046	66046					
3258		Fill	0	0	0	1.00	-655855	
		0	0					
3259		Mass ordinate for TOPSOIL =	84656					
3260								
3261	504+00.00	EARTH						
3262		Common Exc	1075	1728	1728	1.00		
		50104	50104					
3263		Subgrade Exc	0	0	0	1.00		
		0	0					
3264		Subsoil Exc	0	0	0	1.00		
		0	0					
3265		Fill	4	7	7	1.00	-654134	704238
		704238						
3266		TOPSOIL						
3267		Common Exc	227	411	411	1.00		
		19021	19021					
3268		Subgrade Exc	0	0	0	1.00		
		0	0					
3269		Subsoil Exc	4	7	7	1.00		
		66053	66053					
3270		Fill	0	0	0	1.00	-654134	
		0	0					
3271		Mass ordinate for TOPSOIL =	85074					
3272								
3273	504+50.00	EARTH						
3274		Common Exc	1386	2279	2279	1.00		
		52383	52383					
3275		Subgrade Exc	0	0	0	1.00		
		0	0					
3276		Subsoil Exc	0	0	0	1.00		
		0	0					

3277		Fill	4	7	7	1.00	-651862	704245
		704245						
3278	TOPSOIL							
3279	Common Exc	238	431	431	1.00			
	19452	19452						
3280	Subgrade Exc	0	0	0	1.00			
	0	0						
3281	Subsoil Exc	4	7	7	1.00			
	66060	66060						
3282	Fill	0	0	0	1.00	-651862		
	0	0						
3283	Mass ordinate for TOPSOIL = 85512							
3284								
3285	505+00.00 EARTH							
3286	Common Exc	1519	2690	2690	1.00			
	55073	55073						
3287	Subgrade Exc	0	0	0	1.00			
	0	0						
3288	Subsoil Exc	0	0	0	1.00			
	0	0						
3289	Fill	3	6	6	1.00	-649178	704251	
	704251							
3290	TOPSOIL							
3291	Common Exc	230	433	433	1.00			
	19885	19885						
3292	Subgrade Exc	0	0	0	1.00			
	0	0						
3293	Subsoil Exc	3	6	6	1.00			
	66066	66066						
3294	Fill	0	0	0	1.00	-649178		
	0	0						
3295	Mass ordinate for TOPSOIL = 85951							
3296								
3297	505+50.00 EARTH							
3298	Common Exc	1717	2996	2996	1.00			
	58069	58069						
3299	Subgrade Exc	0	0	0	1.00			
	0	0						
3300	Subsoil Exc	0	0	0	1.00			
	0	0						
3301	Fill	3	6	6	1.00	-646188	704257	
	704257							
3302	TOPSOIL							
3303	Common Exc	234	430	430	1.00			
	20315	20315						
3304	Subgrade Exc	0	0	0	1.00			
	0	0						
3305	Subsoil Exc	3	6	6	1.00			
	66072	66072						
3306	Fill	0	0	0	1.00	-646188		
	0	0						
3307	Mass ordinate for TOPSOIL = 86387							
3308								
3309	506+00.00 EARTH							
3310	Common Exc	1926	3373	3373	1.00			
	61442	61442						
3311	Subgrade Exc	0	0	0	1.00			
	0	0						
3312	Subsoil Exc	0	0	0	1.00			
	0	0						
3313	Fill	3	6	6	1.00	-642821	704263	
	704263							
3314	TOPSOIL							
3315	Common Exc	236	435	435	1.00			
	20750	20750						
3316	Subgrade Exc	0	0	0	1.00			

3317	0	0					
	Subsoil Exc	3	6	6	1.00		
	66078	66078					
3318	Fill	0	0	0	1.00	-642821	
	0	0					
3319	Mass ordinate for TOPSOIL = 86828						
3320							
3321	506+50.00 EARTH						
3322	Common Exc	2058	3689	3689	1.00		
	65131	65131					
3323	Subgrade Exc	0	0	0	1.00		
	0	0					
3324	Subsoil Exc	0	0	0	1.00		
	0	0					
3325	Fill	3	6	6	1.00	-639138	704269
	704269						
3326	TOPSOIL						
3327	Common Exc	238	439	439	1.00		
	21189	21189					
3328	Subgrade Exc	0	0	0	1.00		
	0	0					
3329	Subsoil Exc	3	6	6	1.00		
	66084	66084					
3330	Fill	0	0	0	1.00	-639138	
	0	0					
3331	Mass ordinate for TOPSOIL = 87273						
3332							
3333	507+00.00 EARTH						
3334	Common Exc	2124	3872	3872	1.00		
	69003	69003					
3335	Subgrade Exc	0	0	0	1.00		
	0	0					
3336	Subsoil Exc	0	0	0	1.00		
	0	0					
3337	Fill	3	6	6	1.00	-635272	704275
	704275						
3338	TOPSOIL						
3339	Common Exc	249	451	451	1.00		
	21640	21640					
3340	Subgrade Exc	0	0	0	1.00		
	0	0					
3341	Subsoil Exc	3	6	6	1.00		
	66090	66090					
3342	Fill	0	0	0	1.00	-635272	
	0	0					
3343	Mass ordinate for TOPSOIL = 87730						
3344							
3345	507+50.00 EARTH						
3346	Common Exc	2242	4043	4043	1.00		
	73046	73046					
3347	Subgrade Exc	0	0	0	1.00		
	0	0					
3348	Subsoil Exc	0	0	0	1.00		
	0	0					
3349	Fill	3	6	6	1.00	-631235	704281
	704281						
3350	TOPSOIL						
3351	Common Exc	255	467	467	1.00		
	22107	22107					
3352	Subgrade Exc	0	0	0	1.00		
	0	0					
3353	Subsoil Exc	3	6	6	1.00		
	66096	66096					
3354	Fill	0	0	0	1.00	-631235	
	0	0					
3355	Mass ordinate for TOPSOIL = 88203						

3356								
3357	508+00.00	EARTH						
3358		Common Exc	2547	4434	4434	1.00		
		77480	77480					
3359		Subgrade Exc	0	0	0	1.00		
		0	0					
3360		Subsoil Exc	0	0	0	1.00		
		0	0					
3361		Fill	3	6	6	1.00	-626807	704287
		704287						
3362		TOPSOIL						
3363		Common Exc	275	491	491	1.00		
		22598	22598					
3364		Subgrade Exc	0	0	0	1.00		
		0	0					
3365		Subsoil Exc	3	6	6	1.00		
		66102	66102					
3366		Fill	0	0	0	1.00	-626807	
		0	0					
3367		Mass ordinate for TOPSOIL =	88700					
3368								
3369	508+50.00	EARTH						
3370		Common Exc	2336	4521	4521	1.00		
		82001	82001					
3371		Subgrade Exc	0	0	0	1.00		
		0	0					
3372		Subsoil Exc	0	0	0	1.00		
		0	0					
3373		Fill	3	6	6	1.00	-622292	704293
		704293						
3374		TOPSOIL						
3375		Common Exc	265	500	500	1.00		
		23098	23098					
3376		Subgrade Exc	0	0	0	1.00		
		0	0					
3377		Subsoil Exc	3	6	6	1.00		
		66108	66108					
3378		Fill	0	0	0	1.00	-622292	
		0	0					
3379		Mass ordinate for TOPSOIL =	89206					
3380								
3381	509+00.00	EARTH						
3382		Common Exc	2489	4468	4468	1.00		
		86469	86469					
3383		Subgrade Exc	0	0	0	1.00		
		0	0					
3384		Subsoil Exc	0	0	0	1.00		
		0	0					
3385		Fill	3	6	6	1.00	-617830	704299
		704299						
3386		TOPSOIL						
3387		Common Exc	258	484	484	1.00		
		23582	23582					
3388		Subgrade Exc	0	0	0	1.00		
		0	0					
3389		Subsoil Exc	3	6	6	1.00		
		66114	66114					
3390		Fill	0	0	0	1.00	-617830	
		0	0					
3391		Mass ordinate for TOPSOIL =	89696					
3392								
3393	509+50.00	EARTH						
3394		Common Exc	2835	4930	4930	1.00		
		91399	91399					
3395		Subgrade Exc	0	0	0	1.00		
		0	0					

3396		Subsoil Exc	0	0	0	1.00		
	0	0						
3397		Fill	3	6	6	1.00	-612906	704305
		704305						
3398		TOPSOIL						
3399		Common Exc	266	485	485	1.00		
	24067	24067						
3400		Subgrade Exc	0	0	0	1.00		
	0	0						
3401		Subsoil Exc	3	6	6	1.00		
	66120	66120						
3402		Fill	0	0	0	1.00	-612906	
	0	0						
3403		Mass ordinate for TOPSOIL = 90187						
3404								
3405	510+00.00	EARTH						
3406		Common Exc	3010	5412	5412	1.00		
	96811	96811						
3407		Subgrade Exc	0	0	0	1.00		
	0	0						
3408		Subsoil Exc	0	0	0	1.00		
	0	0						
3409		Fill	3	6	6	1.00	-607500	704311
		704311						
3410		TOPSOIL						
3411		Common Exc	270	496	496	1.00		
	24563	24563						
3412		Subgrade Exc	0	0	0	1.00		
	0	0						
3413		Subsoil Exc	3	6	6	1.00		
	66126	66126						
3414		Fill	0	0	0	1.00	-607500	
	0	0						
3415		Mass ordinate for TOPSOIL = 90689						
3416								
3417	510+50.00	EARTH						
3418		Common Exc	3016	5580	5580	1.00		102391
	102391							
3419		Subgrade Exc	0	0	0	1.00		
	0	0						
3420		Subsoil Exc	0	0	0	1.00		
	0	0						
3421		Fill	3	6	6	1.00	-601926	704317
		704317						
3422		TOPSOIL						
3423		Common Exc	259	490	490	1.00		
	25053	25053						
3424		Subgrade Exc	0	0	0	1.00		
	0	0						
3425		Subsoil Exc	3	6	6	1.00		
	66132	66132						
3426		Fill	0	0	0	1.00	-601926	
	0	0						
3427		Mass ordinate for TOPSOIL = 91185						
3428								
3429	511+00.00	EARTH						
3430		Common Exc	3158	5717	5717	1.00		108108
	108108							
3431		Subgrade Exc	0	0	0	1.00		
	0	0						
3432		Subsoil Exc	0	0	0	1.00		
	0	0						
3433		Fill	3	6	6	1.00	-596215	704323
		704323						
3434		TOPSOIL						
3435		Common Exc	263	483	483	1.00		

		25536	25536					
3436		Subgrade Exc	0	0	0	1.00		
		0	0					
3437		Subsoil Exc	3	6	6	1.00		
		66138	66138					
3438		Fill	0	0	0	1.00	-596215	
		0	0					
3439		Mass ordinate for TOPSOIL = 91674						
3440								
3441	511+41.31	EARTH						
3442		Common Exc	3295	4937	4937	1.00		113045
		113045						
3443		Subgrade Exc	0	0	0	1.00		
		0	0					
3444		Subsoil Exc	0	0	0	1.00		
		0	0					
3445		Fill	3	5	5	1.00	-591283	704328
		704328						
3446		TOPSOIL						
3447		Common Exc	267	405	405	1.00		
		25941	25941					
3448		Subgrade Exc	0	0	0	1.00		
		0	0					
3449		Subsoil Exc	3	5	5	1.00		
		66143	66143					
3450		Fill	0	0	0	1.00	-591283	
		0	0					
3451		Mass ordinate for TOPSOIL = 92084						
3452								
3453	511+50.00	EARTH						
3454		Common Exc	3315	1064	1064	1.00		114109
		114109						
3455		Subgrade Exc	0	0	0	1.00		
		0	0					
3456		Subsoil Exc	0	0	0	1.00		
		0	0					
3457		Fill	3	1	1	1.00	-590220	704329
		704329						
3458		TOPSOIL						
3459		Common Exc	268	86	86	1.00		
		26027	26027					
3460		Subgrade Exc	0	0	0	1.00		
		0	0					
3461		Subsoil Exc	3	1	1	1.00		
		66144	66144					
3462		Fill	0	0	0	1.00	-590220	
		0	0					
3463		Mass ordinate for TOPSOIL = 92171						
3464								
3465	512+00.00	EARTH						
3466		Common Exc	3443	6257	6257	1.00		120366
		120366						
3467		Subgrade Exc	0	0	0	1.00		
		0	0					
3468		Subsoil Exc	0	0	0	1.00		
		0	0					
3469		Fill	3	6	6	1.00	-583969	704335
		704335						
3470		TOPSOIL						
3471		Common Exc	273	501	501	1.00		
		26528	26528					
3472		Subgrade Exc	0	0	0	1.00		
		0	0					
3473		Subsoil Exc	3	6	6	1.00		
		66150	66150					
3474		Fill	0	0	0	1.00	-583969	

3475		0	0					
3476		Mass ordinate for TOPSOIL = 92678						
3477	512+16.44	EARTH						
3478		Common Exc	3444	2097	2097	1.00		122463
			122463					
3479		Subgrade Exc	0	0	0	1.00		
		0	0					
3480		Subsoil Exc	0	0	0	1.00		
		0	0					
3481		Fill	3	2	2	1.00	-581874	704337
			704337					
3482		TOPSOIL						
3483		Common Exc	273	166	166	1.00		
		26694	26694					
3484		Subgrade Exc	0	0	0	1.00		
		0	0					
3485		Subsoil Exc	3	2	2	1.00		
		66152	66152					
3486		Fill	0	0	0	1.00	-581874	
		0	0					
3487		Mass ordinate for TOPSOIL = 92846						
3488								
3489	512+50.00	EARTH						
3490		Common Exc	3430	4272	4272	1.00		126735
			126735					
3491		Subgrade Exc	0	0	0	1.00		
		0	0					
3492		Subsoil Exc	0	0	0	1.00		
		0	0					
3493		Fill	3	4	4	1.00	-577606	704341
			704341					
3494		TOPSOIL						
3495		Common Exc	273	339	339	1.00		
		27033	27033					
3496		Subgrade Exc	0	0	0	1.00		
		0	0					
3497		Subsoil Exc	3	4	4	1.00		
		66156	66156					
3498		Fill	0	0	0	1.00	-577606	
		0	0					
3499		Mass ordinate for TOPSOIL = 93189						
3500								
3501	512+97.21	EARTH						
3502		Common Exc	3357	5934	5934	1.00		132669
			132669					
3503		Subgrade Exc	0	0	0	1.00		
		0	0					
3504		Subsoil Exc	0	0	0	1.00		
		0	0					
3505		Fill	3	5	5	1.00	-571677	704346
			704346					
3506		TOPSOIL						
3507		Common Exc	273	477	477	1.00		
		27510	27510					
3508		Subgrade Exc	0	0	0	1.00		
		0	0					
3509		Subsoil Exc	3	5	5	1.00		
		66161	66161					
3510		Fill	0	0	0	1.00	-571677	
		0	0					
3511		Mass ordinate for TOPSOIL = 93671						
3512								
3513	513+00.00	EARTH						
3514		Common Exc	3352	347	347	1.00		133016
			133016					

3515		Subgrade Exc	0	0	0	1.00		
		0	0					
3516		Subsoil Exc	0	0	0	1.00		
		0	0					
3517		Fill	3	0	0	1.00	-571330	704346
		704346						
3518		TOPSOIL						
3519		Common Exc	273	28	28	1.00		
		27538	27538					
3520		Subgrade Exc	0	0	0	1.00		
		0	0					
3521		Subsoil Exc	3	0	0	1.00		
		66161	66161					
3522		Fill	0	0	0	1.00	-571330	
		0	0					
3523		Mass ordinate for TOPSOIL = 93699						
3524								
3525	513+50.00	EARTH						
3526		Common Exc	3233	6097	6097	1.00		139113
		139113						
3527		Subgrade Exc	0	0	0	1.00		
		0	0					
3528		Subsoil Exc	0	0	0	1.00		
		0	0					
3529		Fill	3	6	6	1.00	-565239	704352
		704352						
3530		TOPSOIL						
3531		Common Exc	283	515	515	1.00		
		28053	28053					
3532		Subgrade Exc	0	0	0	1.00		
		0	0					
3533		Subsoil Exc	3	6	6	1.00		
		66167	66167					
3534		Fill	0	0	0	1.00	-565239	
		0	0					
3535		Mass ordinate for TOPSOIL = 94220						
3536								
3537	513+77.98	EARTH						
3538		Common Exc	3105	3284	3284	1.00		142397
		142397						
3539		Subgrade Exc	0	0	0	1.00		
		0	0					
3540		Subsoil Exc	0	0	0	1.00		
		0	0					
3541		Fill	3	3	3	1.00	-561958	704355
		704355						
3542		TOPSOIL						
3543		Common Exc	282	293	293	1.00		
		28346	28346					
3544		Subgrade Exc	0	0	0	1.00		
		0	0					
3545		Subsoil Exc	3	3	3	1.00		
		66170	66170					
3546		Fill	0	0	0	1.00	-561958	
		0	0					
3547		Mass ordinate for TOPSOIL = 94516						
3548								
3549	514+00.00	EARTH						
3550		Common Exc	2998	2489	2489	1.00		144886
		144886						
3551		Subgrade Exc	0	0	0	1.00		
		0	0					
3552		Subsoil Exc	0	0	0	1.00		
		0	0					
3553		Fill	3	2	2	1.00	-559471	704357
		704357						

3554	TOPSOIL						
3555	Common Exc	280	229	229	1.00		
	28575	28575					
3556	Subgrade Exc	0	0	0	1.00		
	0	0					
3557	Subsoil Exc	3	2	2	1.00		
	66172	66172					
3558	Fill	0	0	0	1.00	-559471	
	0	0					
3559	Mass ordinate for TOPSOIL = 94747						
3560							
3561	514+50.00 EARTH						
3562	Common Exc	2531	5119	5119	1.00		150005
	150005						
3563	Subgrade Exc	0	0	0	1.00		
	0	0					
3564	Subsoil Exc	0	0	0	1.00		
	0	0					
3565	Fill	3	6	6	1.00	-554358	704363
	704363						
3566	TOPSOIL						
3567	Common Exc	274	513	513	1.00		
	29088	29088					
3568	Subgrade Exc	0	0	0	1.00		
	0	0					
3569	Subsoil Exc	3	6	6	1.00		
	66178	66178					
3570	Fill	0	0	0	1.00	-554358	
	0	0					
3571	Mass ordinate for TOPSOIL = 95266						
3572							
3573	515+00.00 EARTH						
3574	Common Exc	2247	4424	4424	1.00		154429
	154429						
3575	Subgrade Exc	0	0	0	1.00		
	0	0					
3576	Subsoil Exc	0	0	0	1.00		
	0	0					
3577	Fill	4	6	6	1.00	-549940	704369
	704369						
3578	TOPSOIL						
3579	Common Exc	280	513	513	1.00		
	29601	29601					
3580	Subgrade Exc	0	0	0	1.00		
	0	0					
3581	Subsoil Exc	4	6	6	1.00		
	66184	66184					
3582	Fill	0	0	0	1.00	-549940	
	0	0					
3583	Mass ordinate for TOPSOIL = 95785						
3584							
3585	515+50.00 EARTH						
3586	Common Exc	1850	3794	3794	1.00		158223
	158223						
3587	Subgrade Exc	0	0	0	1.00		
	0	0					
3588	Subsoil Exc	0	0	0	1.00		
	0	0					
3589	Fill	4	7	7	1.00	-546153	704376
	704376						
3590	TOPSOIL						
3591	Common Exc	264	504	504	1.00		
	30105	30105					
3592	Subgrade Exc	0	0	0	1.00		
	0	0					
3593	Subsoil Exc	4	7	7	1.00		

3594	66191	66191						
	Fill	0	0	0	0	1.00	-546153	
	0	0						
3595	Mass ordinate for TOPSOIL = 96296							
3596								
3597	516+00.00 EARTH							
3598	Common Exc	1285	2903	2903	1.00			161126
	161126							
3599	Subgrade Exc	0	0	0	1.00			
	0	0						
3600	Subsoil Exc	0	0	0	1.00			
	0	0						
3601	Fill	4	7	7	1.00	-543257		704383
	704383							
3602	TOPSOIL							
3603	Common Exc	250	476	476	1.00			
	30581	30581						
3604	Subgrade Exc	0	0	0	1.00			
	0	0						
3605	Subsoil Exc	4	7	7	1.00			
	66198	66198						
3606	Fill	0	0	0	1.00	-543257		
	0	0						
3607	Mass ordinate for TOPSOIL = 96779							
3608								
3609	516+12.21 EARTH							
3610	Common Exc	1238	570	570	1.00			161696
	161696							
3611	Subgrade Exc	0	0	0	1.00			
	0	0						
3612	Subsoil Exc	0	0	0	1.00			
	0	0						
3613	Fill	4	2	2	1.00	-542689		704385
	704385							
3614	TOPSOIL							
3615	Common Exc	249	113	113	1.00			
	30694	30694						
3616	Subgrade Exc	0	0	0	1.00			
	0	0						
3617	Subsoil Exc	4	2	2	1.00			
	66200	66200						
3618	Fill	0	0	0	1.00	-542689		
	0	0						
3619	Mass ordinate for TOPSOIL = 96894							
3620								
3621	516+50.00 EARTH							
3622	Common Exc	1045	1598	1598	1.00			163294
	163294							
3623	Subgrade Exc	0	0	0	1.00			
	0	0						
3624	Subsoil Exc	0	0	0	1.00			
	0	0						
3625	Fill	4	6	6	1.00	-541097		704391
	704391							
3626	TOPSOIL							
3627	Common Exc	244	345	345	1.00			
	31039	31039						
3628	Subgrade Exc	0	0	0	1.00			
	0	0						
3629	Subsoil Exc	4	6	6	1.00			
	66206	66206						
3630	Fill	0	0	0	1.00	-541097		
	0	0						
3631	Mass ordinate for TOPSOIL = 97245							
3632								
3633	517+00.00 EARTH							

3634	Common Exc	644	1564	1564	1.00	164858
	164858					
3635	Subgrade Exc	0	0	0	1.00	
	0 0					
3636	Subsoil Exc	0	0	0	1.00	
	0 0					
3637	Fill	4	7	7	1.00	-539540 704398
	704398					
3638	TOPSOIL					
3639	Common Exc	232	441	441	1.00	
	31480 31480					
3640	Subgrade Exc	0	0	0	1.00	
	0 0					
3641	Subsoil Exc	4	7	7	1.00	
	66213 66213					
3642	Fill	0	0	0	1.00	-539540
	0 0					
3643	Mass ordinate for TOPSOIL = 97693					
3644						
3645	517+50.00 EARTH					
3646	Common Exc	303	877	877	1.00	165735
	165735					
3647	Subgrade Exc	0	0	0	1.00	
	0 0					
3648	Subsoil Exc	0	0	0	1.00	
	0 0					
3649	Fill	58	57	57	1.00	-538720 704455
	704455					
3650	TOPSOIL					
3651	Common Exc	179	381	381	1.00	
	31861 31861					
3652	Subgrade Exc	0	0	0	1.00	
	0 0					
3653	Subsoil Exc	45	45	45	1.00	
	66258 66258					
3654	Fill	0	0	0	1.00	-538720
	0 0					
3655	Mass ordinate for TOPSOIL = 98119					
3656						
3657	518+00.00 EARTH					
3658	Common Exc	120	392	392	1.00	166127
	166127					
3659	Subgrade Exc	0	0	0	1.00	
	0 0					
3660	Subsoil Exc	0	0	0	1.00	
	0 0					
3661	Fill	243	279	279	1.00	-538607 704734
	704734					
3662	TOPSOIL					
3663	Common Exc	99	257	257	1.00	
	32118 32118					
3664	Subgrade Exc	0	0	0	1.00	
	0 0					
3665	Subsoil Exc	119	152	152	1.00	
	66410 66410					
3666	Fill	0	0	0	1.00	-538607
	0 0					
3667	Mass ordinate for TOPSOIL = 98528					
3668						
3669	518+50.00 EARTH					
3670	Common Exc	92	196	196	1.00	166323
	166323					
3671	Subgrade Exc	0	0	0	1.00	
	0 0					
3672	Subsoil Exc	0	0	0	1.00	
	0 0					

3673		Fill	418	612	612	1.00	-539023	705346
		705346						
3674	TOPSOIL							
3675	Common Exc	57	144	144	1.00			
	32262	32262						
3676	Subgrade Exc	0	0	0	1.00			
	0	0						
3677	Subsoil Exc	139	239	239	1.00			
	66649	66649						
3678	Fill	0	0	0	1.00	-539023		
	0	0						
3679	Mass ordinate for TOPSOIL = 98911							
3680								
3681	519+00.00 EARTH							
3682	Common Exc	68	148	148	1.00			166471
	166471							
3683	Subgrade Exc	0	0	0	1.00			
	0	0						
3684	Subsoil Exc	0	0	0	1.00			
	0	0						
3685	Fill	393	751	751	1.00	-539626		706097
	706097							
3686	TOPSOIL							
3687	Common Exc	70	118	118	1.00			
	32380	32380						
3688	Subgrade Exc	0	0	0	1.00			
	0	0						
3689	Subsoil Exc	122	242	242	1.00			
	66891	66891						
3690	Fill	0	0	0	1.00	-539626		
	0	0						
3691	Mass ordinate for TOPSOIL = 99271							
3692								
3693	519+50.00 EARTH							
3694	Common Exc	31	92	92	1.00			166563
	166563							
3695	Subgrade Exc	0	0	0	1.00			
	0	0						
3696	Subsoil Exc	0	0	0	1.00			
	0	0						
3697	Fill	391	726	726	1.00	-540260		706823
	706823							
3698	TOPSOIL							
3699	Common Exc	42	104	104	1.00			
	32484	32484						
3700	Subgrade Exc	0	0	0	1.00			
	0	0						
3701	Subsoil Exc	121	225	225	1.00			
	67116	67116						
3702	Fill	0	0	0	1.00	-540260		
	0	0						
3703	Mass ordinate for TOPSOIL = 99600							
3704								
3705	520+00.00 EARTH							
3706	Common Exc	22	49	49	1.00			166612
	166612							
3707	Subgrade Exc	0	0	0	1.00			
	0	0						
3708	Subsoil Exc	0	0	0	1.00			
	0	0						
3709	Fill	516	840	840	1.00	-541051		707663
	707663							
3710	TOPSOIL							
3711	Common Exc	37	73	73	1.00			
	32557	32557						
3712	Subgrade Exc	0	0	0	1.00			

3713	0	0	Subsoil Exc	133	235	235	1.00	
	67351	67351						
3714			Fill	0	0	0	1.00	-541051
	0	0						
3715	Mass ordinate for TOPSOIL = 99908							
3716								
3717	520+50.00 EARTH							
3718			Common Exc	17	36	36	1.00	166648
3719			Subgrade Exc	0	0	0	1.00	
	0	0						
3720			Subsoil Exc	0	0	0	1.00	
	0	0						
3721			Fill	638	1069	1069	1.00	-542084 708732
3722	TOPSOIL							
3723			Common Exc	27	59	59	1.00	
	32616	32616						
3724			Subgrade Exc	0	0	0	1.00	
	0	0						
3725			Subsoil Exc	142	255	255	1.00	
	67606	67606						
3726			Fill	0	0	0	1.00	-542084
	0	0						
3727	Mass ordinate for TOPSOIL = 100222							
3728								
3729	521+00.00 EARTH							
3730			Common Exc	4	19	19	1.00	166667
3731			Subgrade Exc	0	0	0	1.00	
	0	0						
3732			Subsoil Exc	0	0	0	1.00	
	0	0						
3733			Fill	703	1242	1242	1.00	-543307 709974
3734	TOPSOIL							
3735			Common Exc	14	38	38	1.00	
	32654	32654						
3736			Subgrade Exc	0	0	0	1.00	
	0	0						
3737			Subsoil Exc	154	274	274	1.00	
	67880	67880						
3738			Fill	0	0	0	1.00	-543307
	0	0						
3739	Mass ordinate for TOPSOIL = 100534							
3740								
3741	521+50.00 EARTH							
3742			Common Exc	1	5	5	1.00	166672
3743			Subgrade Exc	0	0	0	1.00	
	0	0						
3744			Subsoil Exc	0	0	0	1.00	
	0	0						
3745			Fill	701	1300	1300	1.00	-544602 711274
3746	TOPSOIL							
3747			Common Exc	11	23	23	1.00	
	32677	32677						
3748			Subgrade Exc	0	0	0	1.00	
	0	0						
3749			Subsoil Exc	151	282	282	1.00	
	68162	68162						
3750			Fill	0	0	0	1.00	-544602
	0	0						
3751	Mass ordinate for TOPSOIL = 100839							

3752								
3753	522+00.00	EARTH						
3754		Common Exc	12	12	12	1.00		166684
		166684						
3755		Subgrade Exc	0	0	0	1.00		
		0 0						
3756		Subsoil Exc	0	0	0	1.00		
		0 0						
3757		Fill	757	1350	1350	1.00	-545940	712624
		712624						
3758		TOPSOIL						
3759		Common Exc	20	29	29	1.00		
		32706 32706						
3760		Subgrade Exc	0	0	0	1.00		
		0 0						
3761		Subsoil Exc	153	281	281	1.00		
		68443 68443						
3762		Fill	0	0	0	1.00	-545940	
		0 0						
3763		Mass ordinate for TOPSOIL =	101149					
3764								
3765	522+50.00	EARTH						
3766		Common Exc	42	50	50	1.00		166734
		166734						
3767		Subgrade Exc	0	0	0	1.00		
		0 0						
3768		Subsoil Exc	0	0	0	1.00		
		0 0						
3769		Fill	785	1428	1428	1.00	-547318	714052
		714052						
3770		TOPSOIL						
3771		Common Exc	15	32	32	1.00		
		32738 32738						
3772		Subgrade Exc	0	0	0	1.00		
		0 0						
3773		Subsoil Exc	147	278	278	1.00		
		68721 68721						
3774		Fill	0	0	0	1.00	-547318	
		0 0						
3775		Mass ordinate for TOPSOIL =	101459					
3776								
3777	523+00.00	EARTH						
3778		Common Exc	52	87	87	1.00		166821
		166821						
3779		Subgrade Exc	0	0	0	1.00		
		0 0						
3780		Subsoil Exc	0	0	0	1.00		
		0 0						
3781		Fill	818	1484	1484	1.00	-548715	715536
		715536						
3782		TOPSOIL						
3783		Common Exc	14	27	27	1.00		
		32765 32765						
3784		Subgrade Exc	0	0	0	1.00		
		0 0						
3785		Subsoil Exc	157	281	281	1.00		
		69002 69002						
3786		Fill	0	0	0	1.00	-548715	
		0 0						
3787		Mass ordinate for TOPSOIL =	101767					
3788								
3789	523+50.00	EARTH						
3790		Common Exc	50	94	94	1.00		166915
		166915						
3791		Subgrade Exc	0	0	0	1.00		
		0 0						

3792		Subsoil Exc	0	0	0	1.00		
		0	0					
3793		Fill	810	1507	1507	1.00	-550128	717043
		717043						
3794		TOPSOIL						
3795		Common Exc	11	23	23	1.00		
		32788	32788					
3796		Subgrade Exc	0	0	0	1.00		
		0	0					
3797		Subsoil Exc	159	293	293	1.00		
		69295	69295					
3798		Fill	0	0	0	1.00	-550128	
		0	0					
3799		Mass ordinate for TOPSOIL = 102083						
3800								
3801	524+00.00	EARTH						
3802		Common Exc	42	85	85	1.00		167000
		167000						
3803		Subgrade Exc	0	0	0	1.00		
		0	0					
3804		Subsoil Exc	0	0	0	1.00		
		0	0					
3805		Fill	840	1528	1528	1.00	-551571	718571
		718571						
3806		TOPSOIL						
3807		Common Exc	13	22	22	1.00		
		32810	32810					
3808		Subgrade Exc	0	0	0	1.00		
		0	0					
3809		Subsoil Exc	163	298	298	1.00		
		69593	69593					
3810		Fill	0	0	0	1.00	-551571	
		0	0					
3811		Mass ordinate for TOPSOIL = 102403						
3812								
3813	524+50.00	EARTH						
3814		Common Exc	35	71	71	1.00		167071
		167071						
3815		Subgrade Exc	0	0	0	1.00		
		0	0					
3816		Subsoil Exc	0	0	0	1.00		
		0	0					
3817		Fill	936	1644	1644	1.00	-553144	720215
		720215						
3818		TOPSOIL						
3819		Common Exc	14	25	25	1.00		
		32835	32835					
3820		Subgrade Exc	0	0	0	1.00		
		0	0					
3821		Subsoil Exc	171	309	309	1.00		
		69902	69902					
3822		Fill	0	0	0	1.00	-553144	
		0	0					
3823		Mass ordinate for TOPSOIL = 102737						
3824								
3825	524+54.34	EARTH						
3826		Common Exc	66	8	8	1.00		167079
		167079						
3827		Subgrade Exc	0	0	0	1.00		
		0	0					
3828		Subsoil Exc	0	0	0	1.00		
		0	0					
3829		Fill	942	151	151	1.00	-553287	720366
		720366						
3830		TOPSOIL						
3831		Common Exc	14	2	2	1.00		

3832	32837	32837						
	Subgrade Exc	0	0	0	1.00			
3833	0	0						
	Subsoil Exc	172	28	28	1.00			
	69930	69930						
3834	Fill	0	0	0	1.00	-553287		
	0	0						
3835	Mass ordinate for TOPSOIL = 102767							
3836								
3837	525+00.00 EARTH							
3838	Common Exc	41	90	90	1.00		167169	
	167169							
3839	Subgrade Exc	0	0	0	1.00			
	0	0						
3840	Subsoil Exc	0	0	0	1.00			
	0	0						
3841	Fill	1016	1656	1656	1.00	-554853	722022	
	722022							
3842	TOPSOIL							
3843	Common Exc	13	23	23	1.00			
	32860	32860						
3844	Subgrade Exc	0	0	0	1.00			
	0	0						
3845	Subsoil Exc	175	293	293	1.00			
	70223	70223						
3846	Fill	0	0	0	1.00	-554853		
	0	0						
3847	Mass ordinate for TOPSOIL = 103083							
3848								
3849	525+50.00 EARTH							
3850	Common Exc	14	51	51	1.00		167220	
	167220							
3851	Subgrade Exc	0	0	0	1.00			
	0	0						
3852	Subsoil Exc	0	0	0	1.00			
	0	0						
3853	Fill	1019	1884	1884	1.00	-556686	723906	
	723906							
3854	TOPSOIL							
3855	Common Exc	14	25	25	1.00			
	32885	32885						
3856	Subgrade Exc	0	0	0	1.00			
	0	0						
3857	Subsoil Exc	173	322	322	1.00			
	70545	70545						
3858	Fill	0	0	0	1.00	-556686		
	0	0						
3859	Mass ordinate for TOPSOIL = 103430							
3860								
3861	526+00.00 EARTH							
3862	Common Exc	7	19	19	1.00		167239	
	167239							
3863	Subgrade Exc	0	0	0	1.00			
	0	0						
3864	Subsoil Exc	0	0	0	1.00			
	0	0						
3865	Fill	1033	1900	1900	1.00	-558567	725806	
	725806							
3866	TOPSOIL							
3867	Common Exc	12	24	24	1.00			
	32909	32909						
3868	Subgrade Exc	0	0	0	1.00			
	0	0						
3869	Subsoil Exc	173	320	320	1.00			
	70865	70865						
3870	Fill	0	0	0	1.00	-558567		

3871	0	0	Mass ordinate for TOPSOIL = 103774				
3872							
3873	526+50.00	EARTH					
3874	Common Exc	1	7	7	1.00	167246	
	167246						
3875	Subgrade Exc	0	0	0	1.00		
	0	0					
3876	Subsoil Exc	0	0	0	1.00		
	0	0					
3877	Fill	1123	1996	1996	1.00	-560556	
	727802					727802	
3878	TOPSOIL						
3879	Common Exc	9	19	19	1.00		
	32928	32928					
3880	Subgrade Exc	0	0	0	1.00		
	0	0					
3881	Subsoil Exc	182	329	329	1.00		
	71194	71194					
3882	Fill	0	0	0	1.00	-560556	
	0	0					
3883	Mass ordinate for TOPSOIL = 104122						
3884							
3885	526+88.57	EARTH					
3886	Common Exc	0	1	1	1.00	167247	
	167247						
3887	Subgrade Exc	0	0	0	1.00		
	0	0					
3888	Subsoil Exc	0	0	0	1.00		
	0	0					
3889	Fill	1157	1629	1629	1.00	-562184	
	729431					729431	
3890	TOPSOIL						
3891	Common Exc	4	9	9	1.00		
	32937	32937					
3892	Subgrade Exc	0	0	0	1.00		
	0	0					
3893	Subsoil Exc	186	263	263	1.00		
	71457	71457					
3894	Fill	0	0	0	1.00	-562184	
	0	0					
3895	Mass ordinate for TOPSOIL = 104394						
3896							
3897	527+00.00	EARTH					
3898	Common Exc	0	0	0	1.00	167247	
	167247						
3899	Subgrade Exc	0	0	0	1.00		
	0	0					
3900	Subsoil Exc	0	0	0	1.00		
	0	0					
3901	Fill	1155	489	489	1.00	-562673	
	729920					729920	
3902	TOPSOIL						
3903	Common Exc	2	1	1	1.00		
	32938	32938					
3904	Subgrade Exc	0	0	0	1.00		
	0	0					
3905	Subsoil Exc	184	78	78	1.00		
	71535	71535					
3906	Fill	0	0	0	1.00	-562673	
	0	0					
3907	Mass ordinate for TOPSOIL = 104473						
3908							
3909	527+48.42	EARTH					
3910	Common Exc	0	0	0	1.00	167247	
	167247						

3911		Subgrade Exc	0	0	0	1.00		
		0	0					
3912		Subsoil Exc	0	0	0	1.00		
		0	0					
3913		Fill	1145	2062	2062	1.00	-564735	731982
		731982						
3914		TOPSOIL						
3915		Common Exc	1	3	3	1.00		
		32941	32941					
3916		Subgrade Exc	0	0	0	1.00		
		0	0					
3917		Subsoil Exc	186	332	332	1.00		
		71867	71867					
3918		Fill	0	0	0	1.00	-564735	
		0	0					
3919		Mass ordinate for TOPSOIL = 104808						
3920								
3921	527+50.00	EARTH						
3922		Common Exc	0	0	0	1.00		167247
		167247						
3923		Subgrade Exc	0	0	0	1.00		
		0	0					
3924		Subsoil Exc	0	0	0	1.00		
		0	0					
3925		Fill	1146	67	67	1.00	-564802	732049
		732049						
3926		TOPSOIL						
3927		Common Exc	1	0	0	1.00		
		32941	32941					
3928		Subgrade Exc	0	0	0	1.00		
		0	0					
3929		Subsoil Exc	186	11	11	1.00		
		71878	71878					
3930		Fill	0	0	0	1.00	-564802	
		0	0					
3931		Mass ordinate for TOPSOIL = 104819						
3932								
3933	527+69.34	EARTH						
3934		Common Exc	0	0	0	1.00		167247
		167247						
3935		Subgrade Exc	0	0	0	1.00		
		0	0					
3936		Subsoil Exc	0	0	0	1.00		
		0	0					
3937		Fill	1161	826	826	1.00	-565628	732875
		732875						
3938		TOPSOIL						
3939		Common Exc	1	1	1	1.00		
		32942	32942					
3940		Subgrade Exc	0	0	0	1.00		
		0	0					
3941		Subsoil Exc	185	133	133	1.00		
		72011	72011					
3942		Fill	0	0	0	1.00	-565628	
		0	0					
3943		Mass ordinate for TOPSOIL = 104953						
3944								
3945	528+00.00	EARTH						
3946		Common Exc	1	1	1	1.00		167248
		167248						
3947		Subgrade Exc	0	0	0	1.00		
		0	0					
3948		Subsoil Exc	0	0	0	1.00		
		0	0					
3949		Fill	1175	1326	1326	1.00	-566953	734201
		734201						

3950	TOPSOIL							
3951	Common Exc	10	6	6	1.00			
	32948	32948						
3952	Subgrade Exc	0	0	0	1.00			
	0	0						
3953	Subsoil Exc	190	213	213	1.00			
	72224	72224						
3954	Fill	0	0	0	1.00	-566953		
	0	0						
3955	Mass ordinate for TOPSOIL = 105172							
3956								
3957	528+50.00 EARTH							
3958	Common Exc	0	1	1	1.00		167249	
	167249							
3959	Subgrade Exc	0	0	0	1.00			
	0	0						
3960	Subsoil Exc	0	0	0	1.00			
	0	0						
3961	Fill	1075	2083	2083	1.00	-569035	736284	
	736284							
3962	TOPSOIL							
3963	Common Exc	3	12	12	1.00			
	32960	32960						
3964	Subgrade Exc	0	0	0	1.00			
	0	0						
3965	Subsoil Exc	179	342	342	1.00			
	72566	72566						
3966	Fill	0	0	0	1.00	-569035		
	0	0						
3967	Mass ordinate for TOPSOIL = 105526							
3968								
3969	529+00.00 EARTH							
3970	Common Exc	0	0	0	1.00		167249	
	167249							
3971	Subgrade Exc	0	0	0	1.00			
	0	0						
3972	Subsoil Exc	0	0	0	1.00			
	0	0						
3973	Fill	1031	1950	1950	1.00	-570985	738234	
	738234							
3974	TOPSOIL							
3975	Common Exc	4	6	6	1.00			
	32966	32966						
3976	Subgrade Exc	0	0	0	1.00			
	0	0						
3977	Subsoil Exc	184	336	336	1.00			
	72902	72902						
3978	Fill	0	0	0	1.00	-570985		
	0	0						
3979	Mass ordinate for TOPSOIL = 105868							
3980								
3981	529+50.00 EARTH							
3982	Common Exc	0	0	0	1.00		167249	
	167249							
3983	Subgrade Exc	0	0	0	1.00			
	0	0						
3984	Subsoil Exc	0	0	0	1.00			
	0	0						
3985	Fill	1029	1907	1907	1.00	-572892	740141	
	740141							
3986	TOPSOIL							
3987	Common Exc	1	5	5	1.00			
	32971	32971						
3988	Subgrade Exc	0	0	0	1.00			
	0	0						
3989	Subsoil Exc	181	338	338	1.00			

	73240	73240						
3990	Fill	0	0	0	0	1.00	-572892	
	0	0						
3991	Mass ordinate for TOPSOIL = 106211							
3992								
3993	530+00.00 EARTH							
3994	Common Exc	0	0	0	0	1.00		167249
	167249							
3995	Subgrade Exc	0	0	0	0	1.00		
	0	0						
3996	Subsoil Exc	0	0	0	0	1.00		
	0	0						
3997	Fill	978	1858	1858	1.00	-574750		741999
	741999							
3998	TOPSOIL							
3999	Common Exc	2	3	3	1.00			
	32974	32974						
4000	Subgrade Exc	0	0	0	1.00			
	0	0						
4001	Subsoil Exc	179	333	333	1.00			
	73573	73573						
4002	Fill	0	0	0	1.00	-574750		
	0	0						
4003	Mass ordinate for TOPSOIL = 106547							
4004								
4005	530+50.00 EARTH							
4006	Common Exc	0	0	0	1.00			167249
	167249							
4007	Subgrade Exc	0	0	0	1.00			
	0	0						
4008	Subsoil Exc	0	0	0	1.00			
	0	0						
4009	Fill	887	1727	1727	1.00	-576477		743726
	743726							
4010	TOPSOIL							
4011	Common Exc	1	3	3	1.00			
	32977	32977						
4012	Subgrade Exc	0	0	0	1.00			
	0	0						
4013	Subsoil Exc	178	331	331	1.00			
	73904	73904						
4014	Fill	0	0	0	1.00	-576477		
	0	0						
4015	Mass ordinate for TOPSOIL = 106881							
4016								
4017	531+00.00 EARTH							
4018	Common Exc	0	0	0	1.00			167249
	167249							
4019	Subgrade Exc	0	0	0	1.00			
	0	0						
4020	Subsoil Exc	0	0	0	1.00			
	0	0						
4021	Fill	742	1508	1508	1.00	-577985		745234
	745234							
4022	TOPSOIL							
4023	Common Exc	0	1	1	1.00			
	32978	32978						
4024	Subgrade Exc	0	0	0	1.00			
	0	0						
4025	Subsoil Exc	174	326	326	1.00			
	74230	74230						
4026	Fill	0	0	0	1.00	-577985		
	0	0						
4027	Mass ordinate for TOPSOIL = 107208							
4028								
4029	531+50.00 EARTH							

4030	Common Exc	0	0	0	1.00	167249
	167249					
4031	Subgrade Exc	0	0	0	1.00	
	0 0					
4032	Subsoil Exc	0	0	0	1.00	
	0 0					
4033	Fill	817	1444	1444	1.00	-579429 746678
	746678					
4034	TOPSOIL					
4035	Common Exc	4	4	4	1.00	
	32982 32982					
4036	Subgrade Exc	0	0	0	1.00	
	0 0					
4037	Subsoil Exc	172	320	320	1.00	
	74550 74550					
4038	Fill	0	0	0	1.00	-579429
	0 0					
4039	Mass ordinate for TOPSOIL = 107532					
4040						
4041	532+00.00 EARTH					
4042	Common Exc	0	0	0	1.00	167249
	167249					
4043	Subgrade Exc	0	0	0	1.00	
	0 0					
4044	Subsoil Exc	0	0	0	1.00	
	0 0					
4045	Fill	867	1559	1559	1.00	-580988 748237
	748237					
4046	TOPSOIL					
4047	Common Exc	0	4	4	1.00	
	32986 32986					
4048	Subgrade Exc	0	0	0	1.00	
	0 0					
4049	Subsoil Exc	171	318	318	1.00	
	74868 74868					
4050	Fill	0	0	0	1.00	-580988
	0 0					
4051	Mass ordinate for TOPSOIL = 107854					
4052						
4053	532+50.00 EARTH					
4054	Common Exc	0	0	0	1.00	167249
	167249					
4055	Subgrade Exc	0	0	0	1.00	
	0 0					
4056	Subsoil Exc	0	0	0	1.00	
	0 0					
4057	Fill	913	1648	1648	1.00	-582636 749885
	749885					
4058	TOPSOIL					
4059	Common Exc	0	0	0	1.00	
	32986 32986					
4060	Subgrade Exc	0	0	0	1.00	
	0 0					
4061	Subsoil Exc	167	313	313	1.00	
	75181 75181					
4062	Fill	0	0	0	1.00	-582636
	0 0					
4063	Mass ordinate for TOPSOIL = 108167					
4064						
4065	533+00.00 EARTH					
4066	Common Exc	0	0	0	1.00	167249
	167249					
4067	Subgrade Exc	0	0	0	1.00	
	0 0					
4068	Subsoil Exc	0	0	0	1.00	
	0 0					

4069		Fill	616	1416	1416	1.00	-584052	751301
		751301						
4070		TOPSOIL						
4071		Common Exc	7	6	6	1.00		
		32992	32992					
4072		Subgrade Exc	0	0	0	1.00		
		0	0					
4073		Subsoil Exc	161	304	304	1.00		
		75485	75485					
4074		Fill	0	0	0	1.00	-584052	
		0	0					
4075		Mass ordinate for TOPSOIL = 108477						
4076								
4077	533+50.00	EARTH						
4078		Common Exc	10	9	9	1.00		167258
		167258						
4079		Subgrade Exc	0	0	0	1.00		
		0	0					
4080		Subsoil Exc	0	0	0	1.00		
		0	0					
4081		Fill	354	898	898	1.00	-584941	752199
		752199						
4082		TOPSOIL						
4083		Common Exc	27	31	31	1.00		
		33023	33023					
4084		Subgrade Exc	0	0	0	1.00		
		0	0					
4085		Subsoil Exc	150	288	288	1.00		
		75773	75773					
4086		Fill	0	0	0	1.00	-584941	
		0	0					
4087		Mass ordinate for TOPSOIL = 108796						
4088								
4089	534+00.00	EARTH						
4090		Common Exc	34	41	41	1.00		167299
		167299						
4091		Subgrade Exc	0	0	0	1.00		
		0	0					
4092		Subsoil Exc	0	0	0	1.00		
		0	0					
4093		Fill	352	654	654	1.00	-585554	752853
		752853						
4094		TOPSOIL						
4095		Common Exc	40	62	62	1.00		
		33085	33085					
4096		Subgrade Exc	0	0	0	1.00		
		0	0					
4097		Subsoil Exc	142	270	270	1.00		
		76043	76043					
4098		Fill	0	0	0	1.00	-585554	
		0	0					
4099		Mass ordinate for TOPSOIL = 109128						
4100								
4101	534+50.00	EARTH						
4102		Common Exc	48	76	76	1.00		167375
		167375						
4103		Subgrade Exc	0	0	0	1.00		
		0	0					
4104		Subsoil Exc	0	0	0	1.00		
		0	0					
4105		Fill	319	621	621	1.00	-586099	753474
		753474						
4106		TOPSOIL						
4107		Common Exc	50	83	83	1.00		
		33168	33168					
4108		Subgrade Exc	0	0	0	1.00		

4109		0	Subsoil Exc	135	256	256	1.00	
		76299		76299				
4110		0	Fill	0	0	0	1.00	-586099
		0		0				
4111			Mass ordinate for TOPSOIL = 109467					
4112								
4113	535+00.00		EARTH					
4114			Common Exc	80	119	119	1.00	167494
			167494					
4115			Subgrade Exc	0	0	0	1.00	
		0		0				
4116			Subsoil Exc	0	0	0	1.00	
		0		0				
4117			Fill	286	560	560	1.00	-586540
			754034					754034
4118			TOPSOIL					
4119			Common Exc	61	103	103	1.00	
			33271	33271				
4120			Subgrade Exc	0	0	0	1.00	
		0		0				
4121			Subsoil Exc	129	244	244	1.00	
			76543	76543				
4122			Fill	0	0	0	1.00	-586540
		0		0				
4123			Mass ordinate for TOPSOIL = 109814					
4124								
4125	535+50.00		EARTH					
4126			Common Exc	121	186	186	1.00	167680
			167680					
4127			Subgrade Exc	0	0	0	1.00	
		0		0				
4128			Subsoil Exc	0	0	0	1.00	
		0		0				
4129			Fill	246	493	493	1.00	-586847
			754527					754527
4130			TOPSOIL					
4131			Common Exc	77	128	128	1.00	
			33399	33399				
4132			Subgrade Exc	0	0	0	1.00	
		0		0				
4133			Subsoil Exc	113	224	224	1.00	
			76767	76767				
4134			Fill	0	0	0	1.00	-586847
		0		0				
4135			Mass ordinate for TOPSOIL = 110166					
4136								
4137	536+00.00		EARTH					
4138			Common Exc	120	223	223	1.00	167903
			167903					
4139			Subgrade Exc	0	0	0	1.00	
		0		0				
4140			Subsoil Exc	0	0	0	1.00	
		0		0				
4141			Fill	203	416	416	1.00	-587040
			754943					754943
4142			TOPSOIL					
4143			Common Exc	80	145	145	1.00	
			33544	33544				
4144			Subgrade Exc	0	0	0	1.00	
		0		0				
4145			Subsoil Exc	109	206	206	1.00	
			76973	76973				
4146			Fill	0	0	0	1.00	-587040
		0		0				
4147			Mass ordinate for TOPSOIL = 110517					

4148								
4149	536+50.00	EARTH						
4150		Common Exc	81	186	186	1.00		168089
		168089						
4151		Subgrade Exc	0	0	0	1.00		
		0 0						
4152		Subsoil Exc	0	0	0	1.00		
		0 0						
4153		Fill	174	349	349	1.00	-587203	755292
		755292						
4154		TOPSOIL						
4155		Common Exc	79	147	147	1.00		
		33691 33691						
4156		Subgrade Exc	0	0	0	1.00		
		0 0						
4157		Subsoil Exc	112	205	205	1.00		
		77178 77178						
4158		Fill	0	0	0	1.00	-587203	
		0 0						
4159		Mass ordinate for TOPSOIL = 110869						
4160								
4161	537+00.00	EARTH						
4162		Common Exc	38	110	110	1.00		168199
		168199						
4163		Subgrade Exc	0	0	0	1.00		
		0 0						
4164		Subsoil Exc	0	0	0	1.00		
		0 0						
4165		Fill	133	284	284	1.00	-587377	755576
		755576						
4166		TOPSOIL						
4167		Common Exc	83	150	150	1.00		
		33841 33841						
4168		Subgrade Exc	0	0	0	1.00		
		0 0						
4169		Subsoil Exc	101	197	197	1.00		
		77375 77375						
4170		Fill	0	0	0	1.00	-587377	
		0 0						
4171		Mass ordinate for TOPSOIL = 111216						
4172								
4173	537+50.00	EARTH						
4174		Common Exc	11	45	45	1.00		168244
		168244						
4175		Subgrade Exc	0	0	0	1.00		
		0 0						
4176		Subsoil Exc	0	0	0	1.00		
		0 0						
4177		Fill	128	242	242	1.00	-587574	755818
		755818						
4178		TOPSOIL						
4179		Common Exc	65	137	137	1.00		
		33978 33978						
4180		Subgrade Exc	0	0	0	1.00		
		0 0						
4181		Subsoil Exc	115	200	200	1.00		
		77575 77575						
4182		Fill	0	0	0	1.00	-587574	
		0 0						
4183		Mass ordinate for TOPSOIL = 111553						
4184								
4185	538+00.00	EARTH						
4186		Common Exc	8	18	18	1.00		168262
		168262						
4187		Subgrade Exc	0	0	0	1.00		
		0 0						

4188		Subsoil Exc	0	0	0	1.00		
		0	0					
4189		Fill	214	317	317	1.00	-587873	756135
		756135						
4190		TOPSOIL						
4191		Common Exc	48	105	105	1.00		
		34083	34083					
4192		Subgrade Exc	0	0	0	1.00		
		0	0					
4193		Subsoil Exc	127	224	224	1.00		
		77799	77799					
4194		Fill	0	0	0	1.00	-587873	
		0	0					
4195		Mass ordinate for TOPSOIL = 111882						
4196								
4197	538+50.00	EARTH						
4198		Common Exc	19	25	25	1.00		168287
		168287						
4199		Subgrade Exc	0	0	0	1.00		
		0	0					
4200		Subsoil Exc	0	0	0	1.00		
		0	0					
4201		Fill	260	439	439	1.00	-588287	756574
		756574						
4202		TOPSOIL						
4203		Common Exc	48	89	89	1.00		
		34172	34172					
4204		Subgrade Exc	0	0	0	1.00		
		0	0					
4205		Subsoil Exc	126	234	234	1.00		
		78033	78033					
4206		Fill	0	0	0	1.00	-588287	
		0	0					
4207		Mass ordinate for TOPSOIL = 112205						
4208								
4209	539+00.00	EARTH						
4210		Common Exc	38	53	53	1.00		168340
		168340						
4211		Subgrade Exc	0	0	0	1.00		
		0	0					
4212		Subsoil Exc	0	0	0	1.00		
		0	0					
4213		Fill	262	483	483	1.00	-588717	757057
		757057						
4214		TOPSOIL						
4215		Common Exc	58	98	98	1.00		
		34270	34270					
4216		Subgrade Exc	0	0	0	1.00		
		0	0					
4217		Subsoil Exc	116	224	224	1.00		
		78257	78257					
4218		Fill	0	0	0	1.00	-588717	
		0	0					
4219		Mass ordinate for TOPSOIL = 112527						
4220								
4221	539+10.68	EARTH						
4222		Common Exc	43	16	16	1.00		168356
		168356						
4223		Subgrade Exc	0	0	0	1.00		
		0	0					
4224		Subsoil Exc	0	0	0	1.00		
		0	0					
4225		Fill	265	104	104	1.00	-588805	757161
		757161						
4226		TOPSOIL						
4227		Common Exc	59	23	23	1.00		

4228	34293	34293						
	Subgrade Exc	0	0	0	1.00			
4229	0	0						
	Subsoil Exc	115	46	46	1.00			
	78303	78303						
4230	Fill	0	0	0	1.00	-588805		
	0	0						
4231	Mass ordinate for TOPSOIL = 112596							
4232								
4233	539+50.00 EARTH							
4234	Common Exc	59	74	74	1.00		168430	
	168430							
4235	Subgrade Exc	0	0	0	1.00			
	0	0						
4236	Subsoil Exc	0	0	0	1.00			
	0	0						
4237	Fill	285	400	400	1.00	-589131	757561	
	757561							
4238	TOPSOIL							
4239	Common Exc	62	88	88	1.00			
	34381	34381						
4240	Subgrade Exc	0	0	0	1.00			
	0	0						
4241	Subsoil Exc	117	169	169	1.00			
	78472	78472						
4242	Fill	0	0	0	1.00	-589131		
	0	0						
4243	Mass ordinate for TOPSOIL = 112853							
4244								
4245	540+00.00 EARTH							
4246	Common Exc	83	131	131	1.00		168561	
	168561							
4247	Subgrade Exc	0	0	0	1.00			
	0	0						
4248	Subsoil Exc	0	0	0	1.00			
	0	0						
4249	Fill	302	544	544	1.00	-589544	758105	
	758105							
4250	TOPSOIL							
4251	Common Exc	70	122	122	1.00			
	34503	34503						
4252	Subgrade Exc	0	0	0	1.00			
	0	0						
4253	Subsoil Exc	113	213	213	1.00			
	78685	78685						
4254	Fill	0	0	0	1.00	-589544		
	0	0						
4255	Mass ordinate for TOPSOIL = 113188							
4256								
4257	540+50.00 EARTH							
4258	Common Exc	109	178	178	1.00		168739	
	168739							
4259	Subgrade Exc	0	0	0	1.00			
	0	0						
4260	Subsoil Exc	0	0	0	1.00			
	0	0						
4261	Fill	270	530	530	1.00	-589896	758635	
	758635							
4262	TOPSOIL							
4263	Common Exc	87	145	145	1.00			
	34648	34648						
4264	Subgrade Exc	0	0	0	1.00			
	0	0						
4265	Subsoil Exc	96	194	194	1.00			
	78879	78879						
4266	Fill	0	0	0	1.00	-589896		

4267		0	0					
4268		Mass ordinate for TOPSOIL = 113527						
4269	541+00.00	EARTH						
4270		Common Exc	110	203	203	1.00		168942
			168942					
4271		Subgrade Exc	0	0	0	1.00		
		0	0					
4272		Subsoil Exc	0	0	0	1.00		
		0	0					
4273		Fill	262	493	493	1.00	-590186	759128
			759128					
4274		TOPSOIL						
4275		Common Exc	87	161	161	1.00		
		34809	34809					
4276		Subgrade Exc	0	0	0	1.00		
		0	0					
4277		Subsoil Exc	95	177	177	1.00		
		79056	79056					
4278		Fill	0	0	0	1.00	-590186	
		0	0					
4279		Mass ordinate for TOPSOIL = 113865						
4280								
4281	541+50.00	EARTH						
4282		Common Exc	87	182	182	1.00		169124
			169124					
4283		Subgrade Exc	0	0	0	1.00		
		0	0					
4284		Subsoil Exc	0	0	0	1.00		
		0	0					
4285		Fill	280	502	502	1.00	-590506	759630
			759630					
4286		TOPSOIL						
4287		Common Exc	80	155	155	1.00		
		34964	34964					
4288		Subgrade Exc	0	0	0	1.00		
		0	0					
4289		Subsoil Exc	105	185	185	1.00		
		79241	79241					
4290		Fill	0	0	0	1.00	-590506	
		0	0					
4291		Mass ordinate for TOPSOIL = 114205						
4292								
4293	542+00.00	EARTH						
4294		Common Exc	51	128	128	1.00		169252
			169252					
4295		Subgrade Exc	0	0	0	1.00		
		0	0					
4296		Subsoil Exc	0	0	0	1.00		
		0	0					
4297		Fill	360	593	593	1.00	-590971	760223
			760223					
4298		TOPSOIL						
4299		Common Exc	61	131	131	1.00		
		35095	35095					
4300		Subgrade Exc	0	0	0	1.00		
		0	0					
4301		Subsoil Exc	124	212	212	1.00		
		79453	79453					
4302		Fill	0	0	0	1.00	-590971	
		0	0					
4303		Mass ordinate for TOPSOIL = 114548						
4304								
4305	542+50.00	EARTH						
4306		Common Exc	17	63	63	1.00		169315
			169315					

4307	Subgrade Exc	0	0	0	1.00		
	0	0					
4308	Subsoil Exc	0	0	0	1.00		
	0	0					
4309	Fill	418	720	720	1.00	-591628	760943
	760943						
4310	TOPSOIL						
4311	Common Exc	43	96	96	1.00		
	35191	35191					
4312	Subgrade Exc	0	0	0	1.00		
	0	0					
4313	Subsoil Exc	140	244	244	1.00		
	79697	79697					
4314	Fill	0	0	0	1.00	-591628	
	0	0					
4315	Mass ordinate for TOPSOIL = 114888						
4316							
4317	543+00.00 EARTH						
4318	Common Exc	12	27	27	1.00		169342
	169342						
4319	Subgrade Exc	0	0	0	1.00		
	0	0					
4320	Subsoil Exc	0	0	0	1.00		
	0	0					
4321	Fill	399	756	756	1.00	-592357	761699
	761699						
4322	TOPSOIL						
4323	Common Exc	35	72	72	1.00		
	35263	35263					
4324	Subgrade Exc	0	0	0	1.00		
	0	0					
4325	Subsoil Exc	147	266	266	1.00		
	79963	79963					
4326	Fill	0	0	0	1.00	-592357	
	0	0					
4327	Mass ordinate for TOPSOIL = 115226						
4328							
4329	543+50.00 EARTH						
4330	Common Exc	17	27	27	1.00		169369
	169369						
4331	Subgrade Exc	0	0	0	1.00		
	0	0					
4332	Subsoil Exc	0	0	0	1.00		
	0	0					
4333	Fill	274	623	623	1.00	-592953	762322
	762322						
4334	TOPSOIL						
4335	Common Exc	43	72	72	1.00		
	35335	35335					
4336	Subgrade Exc	0	0	0	1.00		
	0	0					
4337	Subsoil Exc	131	257	257	1.00		
	80220	80220					
4338	Fill	0	0	0	1.00	-592953	
	0	0					
4339	Mass ordinate for TOPSOIL = 115555						
4340							
4341	544+00.00 EARTH						
4342	Common Exc	44	56	56	1.00		169425
	169425						
4343	Subgrade Exc	0	0	0	1.00		
	0	0					
4344	Subsoil Exc	0	0	0	1.00		
	0	0					
4345	Fill	180	420	420	1.00	-593317	762742
	762742						

4346	TOPSOIL						
4347	Common Exc	64	99	99	1.00		
	35434	35434					
4348	Subgrade Exc	0	0	0	1.00		
	0	0					
4349	Subsoil Exc	110	223	223	1.00		
	80443	80443					
4350	Fill	0	0	0	1.00	-593317	
	0	0					
4351	Mass ordinate for TOPSOIL = 115877						
4352							
4353	544+50.00 EARTH						
4354	Common Exc	33	71	71	1.00		169496
	169496						
4355	Subgrade Exc	0	0	0	1.00		
	0	0					
4356	Subsoil Exc	0	0	0	1.00		
	0	0					
4357	Fill	186	339	339	1.00	-593585	763081
	763081						
4358	TOPSOIL						
4359	Common Exc	57	112	112	1.00		
	35546	35546					
4360	Subgrade Exc	0	0	0	1.00		
	0	0					
4361	Subsoil Exc	110	204	204	1.00		
	80647	80647					
4362	Fill	0	0	0	1.00	-593585	
	0	0					
4363	Mass ordinate for TOPSOIL = 116193						
4364							
4365	545+00.00 EARTH						
4366	Common Exc	61	87	87	1.00		169583
	169583						
4367	Subgrade Exc	0	0	0	1.00		
	0	0					
4368	Subsoil Exc	0	0	0	1.00		
	0	0					
4369	Fill	183	342	342	1.00	-593840	763423
	763423						
4370	TOPSOIL						
4371	Common Exc	84	131	131	1.00		
	35677	35677					
4372	Subgrade Exc	0	0	0	1.00		
	0	0					
4373	Subsoil Exc	87	182	182	1.00		
	80829	80829					
4374	Fill	0	0	0	1.00	-593840	
	0	0					
4375	Mass ordinate for TOPSOIL = 116506						
4376							
4377	545+50.00 EARTH						
4378	Common Exc	52	105	105	1.00		169688
	169688						
4379	Subgrade Exc	0	0	0	1.00		
	0	0					
4380	Subsoil Exc	0	0	0	1.00		
	0	0					
4381	Fill	165	322	322	1.00	-594057	763745
	763745						
4382	TOPSOIL						
4383	Common Exc	92	163	163	1.00		
	35840	35840					
4384	Subgrade Exc	0	0	0	1.00		
	0	0					
4385	Subsoil Exc	80	155	155	1.00		

	80984	80984					
4386	Fill	0	0	0	1.00	-594057	
	0	0					
4387	Mass ordinate for TOPSOIL = 116824						
4388							
4389	546+00.00 EARTH						
4390	Common Exc	54	98	98	1.00		169786
	169786						
4391	Subgrade Exc	0	0	0	1.00		
	0	0					
4392	Subsoil Exc	0	0	0	1.00		
	0	0					
4393	Fill	133	276	276	1.00	-594235	764021
	764021						
4394	TOPSOIL						
4395	Common Exc	98	176	176	1.00		
	36016	36016					
4396	Subgrade Exc	0	0	0	1.00		
	0	0					
4397	Subsoil Exc	79	147	147	1.00		
	81131	81131					
4398	Fill	0	0	0	1.00	-594235	
	0	0					
4399	Mass ordinate for TOPSOIL = 117147						
4400							
4401	546+50.00 EARTH						
4402	Common Exc	21	69	69	1.00		169855
	169855						
4403	Subgrade Exc	0	0	0	1.00		
	0	0					
4404	Subsoil Exc	0	0	0	1.00		
	0	0					
4405	Fill	210	318	318	1.00	-594484	764339
	764339						
4406	TOPSOIL						
4407	Common Exc	79	164	164	1.00		
	36180	36180					
4408	Subgrade Exc	0	0	0	1.00		
	0	0					
4409	Subsoil Exc	98	164	164	1.00		
	81295	81295					
4410	Fill	0	0	0	1.00	-594484	
	0	0					
4411	Mass ordinate for TOPSOIL = 117475						
4412							
4413	547+00.00 EARTH						
4414	Common Exc	23	41	41	1.00		169896
	169896						
4415	Subgrade Exc	0	0	0	1.00		
	0	0					
4416	Subsoil Exc	0	0	0	1.00		
	0	0					
4417	Fill	329	499	499	1.00	-594942	764838
	764838						
4418	TOPSOIL						
4419	Common Exc	38	108	108	1.00		
	36288	36288					
4420	Subgrade Exc	0	0	0	1.00		
	0	0					
4421	Subsoil Exc	141	221	221	1.00		
	81516	81516					
4422	Fill	0	0	0	1.00	-594942	
	0	0					
4423	Mass ordinate for TOPSOIL = 117804						
4424							
4425	547+50.00 EARTH						

4426		Common Exc	1	22	22	1.00		169918
		169918						
4427		Subgrade Exc	0	0	0	1.00		
		0 0						
4428		Subsoil Exc	0	0	0	1.00		
		0 0						
4429		Fill	417	691	691	1.00	-595611	765529
		765529						
4430		TOPSOIL						
4431		Common Exc	17	51	51	1.00		
		36339 36339						
4432		Subgrade Exc	0	0	0	1.00		
		0 0						
4433		Subsoil Exc	170	288	288	1.00		
		81804 81804						
4434		Fill	0	0	0	1.00	-595611	
		0 0						
4435		Mass ordinate for TOPSOIL =	118143					
4436								
4437	548+00.00	EARTH						
4438		Common Exc	0	1	1	1.00		169919
		169919						
4439		Subgrade Exc	0	0	0	1.00		
		0 0						
4440		Subsoil Exc	0	0	0	1.00		
		0 0						
4441		Fill	518	866	866	1.00	-596476	766395
		766395						
4442		TOPSOIL						
4443		Common Exc	10	25	25	1.00		
		36364 36364						
4444		Subgrade Exc	0	0	0	1.00		
		0 0						
4445		Subsoil Exc	178	322	322	1.00		
		82126 82126						
4446		Fill	0	0	0	1.00	-596476	
		0 0						
4447		Mass ordinate for TOPSOIL =	118490					
4448								
4449	548+50.00	EARTH						
4450		Common Exc	0	0	0	1.00		169919
		169919						
4451		Subgrade Exc	0	0	0	1.00		
		0 0						
4452		Subsoil Exc	0	0	0	1.00		
		0 0						
4453		Fill	532	972	972	1.00	-597448	767367
		767367						
4454		TOPSOIL						
4455		Common Exc	7	16	16	1.00		
		36380 36380						
4456		Subgrade Exc	0	0	0	1.00		
		0 0						
4457		Subsoil Exc	179	331	331	1.00		
		82457 82457						
4458		Fill	0	0	0	1.00	-597448	
		0 0						
4459		Mass ordinate for TOPSOIL =	118837					
4460								
4461	549+00.00	EARTH						
4462		Common Exc	2	2	2	1.00		169921
		169921						
4463		Subgrade Exc	0	0	0	1.00		
		0 0						
4464		Subsoil Exc	0	0	0	1.00		
		0 0						

4465		Fill	415	877	877	1.00	-598323	768244
		768244						
4466	TOPSOIL							
4467	Common Exc	12	18	18	1.00			
	36398	36398						
4468	Subgrade Exc	0	0	0	1.00			
	0	0						
4469	Subsoil Exc	171	324	324	1.00			
	82781	82781						
4470	Fill	0	0	0	1.00	-598323		
	0	0						
4471	Mass ordinate for TOPSOIL = 119179							
4472								
4473	549+50.00 EARTH							
4474	Common Exc	2	4	4	1.00			169925
	169925							
4475	Subgrade Exc	0	0	0	1.00			
	0	0						
4476	Subsoil Exc	0	0	0	1.00			
	0	0						
4477	Fill	244	610	610	1.00	-598929		768854
	768854							
4478	TOPSOIL							
4479	Common Exc	19	29	29	1.00			
	36427	36427						
4480	Subgrade Exc	0	0	0	1.00			
	0	0						
4481	Subsoil Exc	159	306	306	1.00			
	83087	83087						
4482	Fill	0	0	0	1.00	-598929		
	0	0						
4483	Mass ordinate for TOPSOIL = 119514							
4484								
4485	550+00.00 EARTH							
4486	Common Exc	48	46	46	1.00			169971
	169971							
4487	Subgrade Exc	0	0	0	1.00			
	0	0						
4488	Subsoil Exc	0	0	0	1.00			
	0	0						
4489	Fill	43	266	266	1.00	-599149		769120
	769120							
4490	TOPSOIL							
4491	Common Exc	127	135	135	1.00			
	36562	36562						
4492	Subgrade Exc	0	0	0	1.00			
	0	0						
4493	Subsoil Exc	43	187	187	1.00			
	83274	83274						
4494	Fill	0	0	0	1.00	-599149		
	0	0						
4495	Mass ordinate for TOPSOIL = 119836							
4496								
4497	550+50.00 EARTH							
4498	Common Exc	125	160	160	1.00			170131
	170131							
4499	Subgrade Exc	0	0	0	1.00			
	0	0						
4500	Subsoil Exc	0	0	0	1.00			
	0	0						
4501	Fill	18	56	56	1.00	-599045		769176
	769176							
4502	TOPSOIL							
4503	Common Exc	166	271	271	1.00			
	36833	36833						
4504	Subgrade Exc	0	0	0	1.00			

4505		0	Subsoil Exc	18	56	56	1.00	
		83330		83330				
4506		0	Fill	0	0	0	1.00	-599045
		0		0				
4507			Mass ordinate for TOPSOIL =	120163				
4508								
4509	551+00.00		EARTH					
4510		0	Common Exc	135	241	241	1.00	170372
		170372						
4511		0	Subgrade Exc	0	0	0	1.00	
		0		0				
4512		0	Subsoil Exc	0	0	0	1.00	
		0		0				
4513		0	Fill	37	51	51	1.00	-598855
		769227						769227
4514			TOPSOIL					
4515		0	Common Exc	147	290	290	1.00	
		37123		37123				
4516		0	Subgrade Exc	0	0	0	1.00	
		0		0				
4517		0	Subsoil Exc	37	51	51	1.00	
		83381		83381				
4518		0	Fill	0	0	0	1.00	-598855
		0		0				
4519			Mass ordinate for TOPSOIL =	120504				
4520								
4521	551+50.00		EARTH					
4522		0	Common Exc	116	232	232	1.00	170604
		170604						
4523		0	Subgrade Exc	0	0	0	1.00	
		0		0				
4524		0	Subsoil Exc	0	0	0	1.00	
		0		0				
4525		0	Fill	84	112	112	1.00	-598735
		769339						769339
4526			TOPSOIL					
4527		0	Common Exc	110	238	238	1.00	
		37361		37361				
4528		0	Subgrade Exc	0	0	0	1.00	
		0		0				
4529		0	Subsoil Exc	72	101	101	1.00	
		83482		83482				
4530		0	Fill	0	0	0	1.00	-598735
		0		0				
4531			Mass ordinate for TOPSOIL =	120843				
4532								
4533	552+00.00		EARTH					
4534		0	Common Exc	36	141	141	1.00	170745
		170745						
4535		0	Subgrade Exc	0	0	0	1.00	
		0		0				
4536		0	Subsoil Exc	0	0	0	1.00	
		0		0				
4537		0	Fill	181	245	245	1.00	-598839
		769584						769584
4538			TOPSOIL					
4539		0	Common Exc	76	172	172	1.00	
		37533		37533				
4540		0	Subgrade Exc	0	0	0	1.00	
		0		0				
4541		0	Subsoil Exc	102	161	161	1.00	
		83643		83643				
4542		0	Fill	0	0	0	1.00	-598839
		0		0				
4543			Mass ordinate for TOPSOIL =	121176				

4544								
4545	552+50.00	EARTH						
4546		Common Exc	30	61	61	1.00		170806
		170806						
4547		Subgrade Exc	0	0	0	1.00		
		0 0						
4548		Subsoil Exc	0	0	0	1.00		
		0 0						
4549		Fill	310	455	455	1.00	-599233	770039
		770039						
4550		TOPSOIL						
4551		Common Exc	26	94	94	1.00		
		37627 37627						
4552		Subgrade Exc	0	0	0	1.00		
		0 0						
4553		Subsoil Exc	158	241	241	1.00		
		83884 83884						
4554		Fill	0	0	0	1.00	-599233	
		0 0						
4555		Mass ordinate for TOPSOIL = 121511						
4556								
4557	553+00.00	EARTH						
4558		Common Exc	89	110	110	1.00		170916
		170916						
4559		Subgrade Exc	0	0	0	1.00		
		0 0						
4560		Subsoil Exc	0	0	0	1.00		
		0 0						
4561		Fill	568	813	813	1.00	-599936	770852
		770852						
4562		TOPSOIL						
4563		Common Exc	18	41	41	1.00		
		37668 37668						
4564		Subgrade Exc	0	0	0	1.00		
		0 0						
4565		Subsoil Exc	201	332	332	1.00		
		84216 84216						
4566		Fill	0	0	0	1.00	-599936	
		0 0						
4567		Mass ordinate for TOPSOIL = 121884						
4568								
4569	553+50.00	EARTH						
4570		Common Exc	11	93	93	1.00		171009
		171009						
4571		Subgrade Exc	0	0	0	1.00		
		0 0						
4572		Subsoil Exc	0	0	0	1.00		
		0 0						
4573		Fill	647	1125	1125	1.00	-600968	771977
		771977						
4574		TOPSOIL						
4575		Common Exc	17	32	32	1.00		
		37700 37700						
4576		Subgrade Exc	0	0	0	1.00		
		0 0						
4577		Subsoil Exc	170	344	344	1.00		
		84560 84560						
4578		Fill	0	0	0	1.00	-600968	
		0 0						
4579		Mass ordinate for TOPSOIL = 122260						
4580								
4581	554+00.00	EARTH						
4582		Common Exc	8	18	18	1.00		171027
		171027						
4583		Subgrade Exc	0	0	0	1.00		
		0 0						

4584		Subsoil Exc	0	0	0	1.00		
		0 0						
4585		Fill	742	1286	1286	1.00	-602236	773263
		773263						
4586		TOPSOIL						
4587		Common Exc	17	31	31	1.00		
		37731 37731						
4588		Subgrade Exc	0	0	0	1.00		
		0 0						
4589		Subsoil Exc	174	319	319	1.00		
		84879 84879						
4590		Fill	0	0	0	1.00	-602236	
		0 0						
4591		Mass ordinate for TOPSOIL = 122610						
4592								
4593	554+13.46	EARTH						
4594		Common Exc	8	4	4	1.00		171031
		171031						
4595		Subgrade Exc	0	0	0	1.00		
		0 0						
4596		Subsoil Exc	0	0	0	1.00		
		0 0						
4597		Fill	779	379	379	1.00	-602611	773642
		773642						
4598		TOPSOIL						
4599		Common Exc	17	8	8	1.00		
		37739 37739						
4600		Subgrade Exc	0	0	0	1.00		
		0 0						
4601		Subsoil Exc	177	87	87	1.00		
		84966 84966						
4602		Fill	0	0	0	1.00	-602611	
		0 0						
4603		Mass ordinate for TOPSOIL = 122705						
4604								
4605	554+50.00	EARTH						
4606		Common Exc	11	13	13	1.00		171044
		171044						
4607		Subgrade Exc	0	0	0	1.00		
		0 0						
4608		Subsoil Exc	0	0	0	1.00		
		0 0						
4609		Fill	829	1088	1088	1.00	-603686	774730
		774730						
4610		TOPSOIL						
4611		Common Exc	28	30	30	1.00		
		37769 37769						
4612		Subgrade Exc	0	0	0	1.00		
		0 0						
4613		Subsoil Exc	173	237	237	1.00		
		85203 85203						
4614		Fill	0	0	0	1.00	-603686	
		0 0						
4615		Mass ordinate for TOPSOIL = 122972						
4616								
4617	554+93.46	EARTH						
4618		Common Exc	4	12	12	1.00		171056
		171056						
4619		Subgrade Exc	0	0	0	1.00		
		0 0						
4620		Subsoil Exc	0	0	0	1.00		
		0 0						
4621		Fill	848	1350	1350	1.00	-605024	776080
		776080						
4622		TOPSOIL						
4623		Common Exc	13	33	33	1.00		

4624	37802	37802					
	Subgrade Exc	0	0	0	1.00		
4625	0	0					
	Subsoil Exc	168	274	274	1.00		
	85477	85477					
4626	Fill	0	0	0	1.00	-605024	
	0	0					
4627	Mass ordinate for TOPSOIL = 123279						
4628							
4629	555+00.00 EARTH						
4630	Common Exc	25	4	4	1.00		171060
	171060						
4631	Subgrade Exc	0	0	0	1.00		
	0	0					
4632	Subsoil Exc	0	0	0	1.00		
	0	0					
4633	Fill	830	203	203	1.00	-605223	776283
	776283						
4634	TOPSOIL						
4635	Common Exc	37	6	6	1.00		
	37808	37808					
4636	Subgrade Exc	0	0	0	1.00		
	0	0					
4637	Subsoil Exc	173	41	41	1.00		
	85518	85518					
4638	Fill	0	0	0	1.00	-605223	
	0	0					
4639	Mass ordinate for TOPSOIL = 123326						
4640							
4641	555+50.00 EARTH						
4642	Common Exc	2	25	25	1.00		171085
	171085						
4643	Subgrade Exc	0	0	0	1.00		
	0	0					
4644	Subsoil Exc	0	0	0	1.00		
	0	0					
4645	Fill	769	1481	1481	1.00	-606679	777764
	777764						
4646	TOPSOIL						
4647	Common Exc	21	54	54	1.00		
	37862	37862					
4648	Subgrade Exc	0	0	0	1.00		
	0	0					
4649	Subsoil Exc	173	320	320	1.00		
	85838	85838					
4650	Fill	0	0	0	1.00	-606679	
	0	0					
4651	Mass ordinate for TOPSOIL = 123700						
4652							
4653	555+58.53 EARTH						
4654	Common Exc	2	1	1	1.00		171086
	171086						
4655	Subgrade Exc	0	0	0	1.00		
	0	0					
4656	Subsoil Exc	0	0	0	1.00		
	0	0					
4657	Fill	703	233	233	1.00	-606911	777997
	777997						
4658	TOPSOIL						
4659	Common Exc	18	6	6	1.00		
	37868	37868					
4660	Subgrade Exc	0	0	0	1.00		
	0	0					
4661	Subsoil Exc	174	55	55	1.00		
	85893	85893					
4662	Fill	0	0	0	1.00	-606911	

4663	0	0	Mass ordinate for TOPSOIL = 123761				
4664							
4665	555+73.46	EARTH					
4666	Common Exc	3	1	1	1.00	171087	
	171087						
4667	Subgrade Exc	0	0	0	1.00		
	0 0						
4668	Subsoil Exc	0	0	0	1.00		
	0 0						
4669	Fill	661	377	377	1.00	-607287 778374	
	778374						
4670	TOPSOIL						
4671	Common Exc	23	11	11	1.00		
	37879 37879						
4672	Subgrade Exc	0	0	0	1.00		
	0 0						
4673	Subsoil Exc	168	95	95	1.00		
	85988 85988						
4674	Fill	0	0	0	1.00	-607287	
	0 0						
4675	Mass ordinate for TOPSOIL = 123867						
4676							
4677	556+00.00	EARTH					
4678	Common Exc	7	5	5	1.00	171092	
	171092						
4679	Subgrade Exc	0	0	0	1.00		
	0 0						
4680	Subsoil Exc	0	0	0	1.00		
	0 0						
4681	Fill	609	624	624	1.00	-607906 778998	
	778998						
4682	TOPSOIL						
4683	Common Exc	17	20	20	1.00		
	37899 37899						
4684	Subgrade Exc	0	0	0	1.00		
	0 0						
4685	Subsoil Exc	165	164	164	1.00		
	86152 86152						
4686	Fill	0	0	0	1.00	-607906	
	0 0						
4687	Mass ordinate for TOPSOIL = 124051						
4688							
4689	556+13.46	EARTH					
4690	Common Exc	10	4	4	1.00	171096	
	171096						
4691	Subgrade Exc	0	0	0	1.00		
	0 0						
4692	Subsoil Exc	0	0	0	1.00		
	0 0						
4693	Fill	579	296	296	1.00	-608198 779294	
	779294						
4694	TOPSOIL						
4695	Common Exc	18	9	9	1.00		
	37908 37908						
4696	Subgrade Exc	0	0	0	1.00		
	0 0						
4697	Subsoil Exc	163	82	82	1.00		
	86234 86234						
4698	Fill	0	0	0	1.00	-608198	
	0 0						
4699	Mass ordinate for TOPSOIL = 124142						
4700							
4701	556+50.00	EARTH					
4702	Common Exc	14	16	16	1.00	171112	
	171112						

4703		Subgrade Exc	0	0	0	1.00		
		0	0					
4704		Subsoil Exc	0	0	0	1.00		
		0	0					
4705		Fill	525	747	747	1.00	-608929	780041
		780041						
4706		TOPSOIL						
4707		Common Exc	18	24	24	1.00		
		37932	37932					
4708		Subgrade Exc	0	0	0	1.00		
		0	0					
4709		Subsoil Exc	162	220	220	1.00		
		86454	86454					
4710		Fill	0	0	0	1.00	-608929	
		0	0					
4711		Mass ordinate for TOPSOIL = 124386						
4712								
4713	557+00.00	EARTH						
4714		Common Exc	16	28	28	1.00		171140
		171140						
4715		Subgrade Exc	0	0	0	1.00		
		0	0					
4716		Subsoil Exc	0	0	0	1.00		
		0	0					
4717		Fill	444	897	897	1.00	-609798	780938
		780938						
4718		TOPSOIL						
4719		Common Exc	18	33	33	1.00		
		37965	37965					
4720		Subgrade Exc	0	0	0	1.00		
		0	0					
4721		Subsoil Exc	158	296	296	1.00		
		86750	86750					
4722		Fill	0	0	0	1.00	-609798	
		0	0					
4723		Mass ordinate for TOPSOIL = 124715						
4724								
4725	557+50.00	EARTH						
4726		Common Exc	18	31	31	1.00		171171
		171171						
4727		Subgrade Exc	0	0	0	1.00		
		0	0					
4728		Subsoil Exc	0	0	0	1.00		
		0	0					
4729		Fill	417	797	797	1.00	-610564	781735
		781735						
4730		TOPSOIL						
4731		Common Exc	19	34	34	1.00		
		37999	37999					
4732		Subgrade Exc	0	0	0	1.00		
		0	0					
4733		Subsoil Exc	156	291	291	1.00		
		87041	87041					
4734		Fill	0	0	0	1.00	-610564	
		0	0					
4735		Mass ordinate for TOPSOIL = 125040						
4736								
4737	558+00.00	EARTH						
4738		Common Exc	37	51	51	1.00		171222
		171222						
4739		Subgrade Exc	0	0	0	1.00		
		0	0					
4740		Subsoil Exc	0	0	0	1.00		
		0	0					
4741		Fill	375	733	733	1.00	-611246	782468
		782468						

4742	TOPSOIL						
4743	Common Exc	17	33	33	1.00		
	38032	38032					
4744	Subgrade Exc	0	0	0	1.00		
	0	0					
4745	Subsoil Exc	157	290	290	1.00		
	87331	87331					
4746	Fill	0	0	0	1.00	-611246	
	0	0					
4747	Mass ordinate for TOPSOIL = 125363						
4748							
4749	558+50.00 EARTH						
4750	Common Exc	45	76	76	1.00		171298
	171298						
4751	Subgrade Exc	0	0	0	1.00		
	0	0					
4752	Subsoil Exc	0	0	0	1.00		
	0	0					
4753	Fill	312	636	636	1.00	-611806	783104
	783104						
4754	TOPSOIL						
4755	Common Exc	21	35	35	1.00		
	38067	38067					
4756	Subgrade Exc	0	0	0	1.00		
	0	0					
4757	Subsoil Exc	153	287	287	1.00		
	87618	87618					
4758	Fill	0	0	0	1.00	-611806	
	0	0					
4759	Mass ordinate for TOPSOIL = 125685						
4760							
4761	559+00.00 EARTH						
4762	Common Exc	57	94	94	1.00		171392
	171392						
4763	Subgrade Exc	0	0	0	1.00		
	0	0					
4764	Subsoil Exc	0	0	0	1.00		
	0	0					
4765	Fill	221	494	494	1.00	-612206	783598
	783598						
4766	TOPSOIL						
4767	Common Exc	26	44	44	1.00		
	38111	38111					
4768	Subgrade Exc	0	0	0	1.00		
	0	0					
4769	Subsoil Exc	146	277	277	1.00		
	87895	87895					
4770	Fill	0	0	0	1.00	-612206	
	0	0					
4771	Mass ordinate for TOPSOIL = 126006						
4772							
4773	559+50.00 EARTH						
4774	Common Exc	76	123	123	1.00		171515
	171515						
4775	Subgrade Exc	0	0	0	1.00		
	0	0					
4776	Subsoil Exc	0	0	0	1.00		
	0	0					
4777	Fill	175	367	367	1.00	-612450	783965
	783965						
4778	TOPSOIL						
4779	Common Exc	39	60	60	1.00		
	38171	38171					
4780	Subgrade Exc	0	0	0	1.00		
	0	0					
4781	Subsoil Exc	138	263	263	1.00		

	88158	88158					
4782	Fill	0	0	0	1.00	-612450	
	0	0					
4783	Mass ordinate for TOPSOIL = 126329						
4784							
4785	560+00.00 EARTH						
4786	Common Exc	96	159	159	1.00		171674
	171674						
4787	Subgrade Exc	0	0	0	1.00		
	0	0					
4788	Subsoil Exc	0	0	0	1.00		
	0	0					
4789	Fill	95	250	250	1.00	-612541	784215
	784215						
4790	TOPSOIL						
4791	Common Exc	88	118	118	1.00		
	38289	38289					
4792	Subgrade Exc	0	0	0	1.00		
	0	0					
4793	Subsoil Exc	91	212	212	1.00		
	88370	88370					
4794	Fill	0	0	0	1.00	-612541	
	0	0					
4795	Mass ordinate for TOPSOIL = 126659						
4796							
4797	560+50.00 EARTH						
4798	Common Exc	217	290	290	1.00		171964
	171964						
4799	Subgrade Exc	0	0	0	1.00		
	0	0					
4800	Subsoil Exc	0	0	0	1.00		
	0	0					
4801	Fill	11	98	98	1.00	-612349	784313
	784313						
4802	TOPSOIL						
4803	Common Exc	142	213	213	1.00		
	38502	38502					
4804	Subgrade Exc	0	0	0	1.00		
	0	0					
4805	Subsoil Exc	11	94	94	1.00		
	88464	88464					
4806	Fill	0	0	0	1.00	-612349	
	0	0					
4807	Mass ordinate for TOPSOIL = 126966						
4808							
4809	561+00.00 EARTH						
4810	Common Exc	305	483	483	1.00		172447
	172447						
4811	Subgrade Exc	0	0	0	1.00		
	0	0					
4812	Subsoil Exc	0	0	0	1.00		
	0	0					
4813	Fill	11	20	20	1.00	-611886	784333
	784333						
4814	TOPSOIL						
4815	Common Exc	145	266	266	1.00		
	38768	38768					
4816	Subgrade Exc	0	0	0	1.00		
	0	0					
4817	Subsoil Exc	10	19	19	1.00		
	88483	88483					
4818	Fill	0	0	0	1.00	-611886	
	0	0					
4819	Mass ordinate for TOPSOIL = 127251						
4820							
4821	561+02.32 EARTH						

4822		Common Exc	308	26	26	1.00		172473
		172473						
4823		Subgrade Exc	0	0	0	1.00		
		0 0						
4824		Subsoil Exc	0	0	0	1.00		
		0 0						
4825		Fill	11	1	1	1.00	-611861	784334
		784334						
4826		TOPSOIL						
4827		Common Exc	145	12	12	1.00		
		38780 38780						
4828		Subgrade Exc	0	0	0	1.00		
		0 0						
4829		Subsoil Exc	10	1	1	1.00		
		88484 88484						
4830		Fill	0	0	0	1.00	-611861	
		0 0						
4831		Mass ordinate for TOPSOIL = 127264						
4832								
4833	561+50.00	EARTH						
4834		Common Exc	339	571	571	1.00		173044
		173044						
4835		Subgrade Exc	0	0	0	1.00		
		0 0						
4836		Subsoil Exc	0	0	0	1.00		
		0 0						
4837		Fill	8	17	17	1.00	-611307	784351
		784351						
4838		TOPSOIL						
4839		Common Exc	117	231	231	1.00		
		39011 39011						
4840		Subgrade Exc	0	0	0	1.00		
		0 0						
4841		Subsoil Exc	8	16	16	1.00		
		88500 88500						
4842		Fill	0	0	0	1.00	-611307	
		0 0						
4843		Mass ordinate for TOPSOIL = 127511						
4844								
4845	562+00.00	EARTH						
4846		Common Exc	505	781	781	1.00		173825
		173825						
4847		Subgrade Exc	0	0	0	1.00		
		0 0						
4848		Subsoil Exc	0	0	0	1.00		
		0 0						
4849		Fill	18	24	24	1.00	-610550	784375
		784375						
4850		TOPSOIL						
4851		Common Exc	168	264	264	1.00		
		39275 39275						
4852		Subgrade Exc	0	0	0	1.00		
		0 0						
4853		Subsoil Exc	16	22	22	1.00		
		88522 88522						
4854		Fill	0	0	0	1.00	-610550	
		0 0						
4855		Mass ordinate for TOPSOIL = 127797						
4856								
4857	562+22.32	EARTH						
4858		Common Exc	550	436	436	1.00		174261
		174261						
4859		Subgrade Exc	0	0	0	1.00		
		0 0						
4860		Subsoil Exc	0	0	0	1.00		
		0 0						

4861		Fill	27	19	19	1.00	-610133	784394
		784394						
4862	TOPSOIL							
4863	Common Exc	152	132	132	1.00			
	39407	39407						
4864	Subgrade Exc	0	0	0	1.00			
	0	0						
4865	Subsoil Exc	19	14	14	1.00			
	88536	88536						
4866	Fill	0	0	0	1.00	-610133		
	0	0						
4867	Mass ordinate for TOPSOIL = 127943							
4868								
4869	562+50.00 EARTH							
4870	Common Exc	503	540	540	1.00			174801
	174801							
4871	Subgrade Exc	0	0	0	1.00			
	0	0						
4872	Subsoil Exc	0	0	0	1.00			
	0	0						
4873	Fill	44	36	36	1.00	-609629		784430
	784430							
4874	TOPSOIL							
4875	Common Exc	165	162	162	1.00			
	39569	39569						
4876	Subgrade Exc	0	0	0	1.00			
	0	0						
4877	Subsoil Exc	32	26	26	1.00			
	88562	88562						
4878	Fill	0	0	0	1.00	-609629		
	0	0						
4879	Mass ordinate for TOPSOIL = 128131							
4880								
4881	563+00.00 EARTH							
4882	Common Exc	418	853	853	1.00			175654
	175654							
4883	Subgrade Exc	0	0	0	1.00			
	0	0						
4884	Subsoil Exc	0	0	0	1.00			
	0	0						
4885	Fill	66	102	102	1.00	-608878		784532
	784532							
4886	TOPSOIL							
4887	Common Exc	160	301	301	1.00			
	39870	39870						
4888	Subgrade Exc	0	0	0	1.00			
	0	0						
4889	Subsoil Exc	41	68	68	1.00			
	88630	88630						
4890	Fill	0	0	0	1.00	-608878		
	0	0						
4891	Mass ordinate for TOPSOIL = 128500							
4892								
4893	563+42.32 EARTH							
4894	Common Exc	369	617	617	1.00			176271
	176271							
4895	Subgrade Exc	0	0	0	1.00			
	0	0						
4896	Subsoil Exc	0	0	0	1.00			
	0	0						
4897	Fill	95	126	126	1.00	-608387		784658
	784658							
4898	TOPSOIL							
4899	Common Exc	158	249	249	1.00			
	40119	40119						
4900	Subgrade Exc	0	0	0	1.00			

			0						
4901		Subsoil Exc	47	69	69	1.00			
		88699	88699						
4902		Fill	0	0	0	1.00	-608387		
		0	0						
4903		Mass ordinate for TOPSOIL = 128818							
4904									
4905	563+50.00	EARTH							
4906		Common Exc	373	106	106	1.00		176377	
		176377							
4907		Subgrade Exc	0	0	0	1.00			
		0	0						
4908		Subsoil Exc	0	0	0	1.00			
		0	0						
4909		Fill	96	27	27	1.00	-608308	784685	
		784685							
4910		TOPS0IL							
4911		Common Exc	161	45	45	1.00			
		40164	40164						
4912		Subgrade Exc	0	0	0	1.00			
		0	0						
4913		Subsoil Exc	49	14	14	1.00			
		88713	88713						
4914		Fill	0	0	0	1.00	-608308		
		0	0						
4915		Mass ordinate for TOPSOIL = 128877							
4916									
4917	564+00.00	EARTH							
4918		Common Exc	195	526	526	1.00		176903	
		176903							
4919		Subgrade Exc	0	0	0	1.00			
		0	0						
4920		Subsoil Exc	0	0	0	1.00			
		0	0						
4921		Fill	64	148	148	1.00	-607930	784833	
		784833							
4922		TOPS0IL							
4923		Common Exc	145	283	283	1.00			
		40447	40447						
4924		Subgrade Exc	0	0	0	1.00			
		0	0						
4925		Subsoil Exc	52	94	94	1.00			
		88807	88807						
4926		Fill	0	0	0	1.00	-607930		
		0	0						
4927		Mass ordinate for TOPSOIL = 129254							
4928									
4929	564+50.00	EARTH							
4930		Common Exc	317	474	474	1.00		177377	
		177377							
4931		Subgrade Exc	0	0	0	1.00			
		0	0						
4932		Subsoil Exc	0	0	0	1.00			
		0	0						
4933		Fill	72	126	126	1.00	-607582	784959	
		784959							
4934		TOPS0IL							
4935		Common Exc	156	279	279	1.00			
		40726	40726						
4936		Subgrade Exc	0	0	0	1.00			
		0	0						
4937		Subsoil Exc	46	91	91	1.00			
		88898	88898						
4938		Fill	0	0	0	1.00	-607582		
		0	0						
4939		Mass ordinate for TOPSOIL = 129624							

4940								
4941	564+80.62	EARTH						
4942		Common Exc	374	392	392	1.00		177769
		177769						
4943		Subgrade Exc	0	0	0	1.00		
		0 0						
4944		Subsoil Exc	0	0	0	1.00		
		0 0						
4945		Fill	51	70	70	1.00	-607260	785029
		785029						
4946		TOPSOIL						
4947		Common Exc	157	177	177	1.00		
		40903 40903						
4948		Subgrade Exc	0	0	0	1.00		
		0 0						
4949		Subsoil Exc	35	46	46	1.00		
		88944 88944						
4950		Fill	0	0	0	1.00	-607260	
		0 0						
4951		Mass ordinate for TOPSOIL = 129847						
4952								
4953	565+00.00	EARTH						
4954		Common Exc	375	269	269	1.00		178038
		178038						
4955		Subgrade Exc	0	0	0	1.00		
		0 0						
4956		Subsoil Exc	0	0	0	1.00		
		0 0						
4957		Fill	53	37	37	1.00	-607028	785066
		785066						
4958		TOPSOIL						
4959		Common Exc	154	112	112	1.00		
		41015 41015						
4960		Subgrade Exc	0	0	0	1.00		
		0 0						
4961		Subsoil Exc	36	25	25	1.00		
		88969 88969						
4962		Fill	0	0	0	1.00	-607028	
		0 0						
4963		Mass ordinate for TOPSOIL = 129984						
4964								
4965	565+50.00	EARTH						
4966		Common Exc	297	622	622	1.00		178660
		178660						
4967		Subgrade Exc	0	0	0	1.00		
		0 0						
4968		Subsoil Exc	0	0	0	1.00		
		0 0						
4969		Fill	56	101	101	1.00	-606507	785167
		785167						
4970		TOPSOIL						
4971		Common Exc	145	277	277	1.00		
		41292 41292						
4972		Subgrade Exc	0	0	0	1.00		
		0 0						
4973		Subsoil Exc	38	69	69	1.00		
		89038 89038						
4974		Fill	0	0	0	1.00	-606507	
		0 0						
4975		Mass ordinate for TOPSOIL = 130330						
4976								
4977	566+00.00	EARTH						
4978		Common Exc	128	394	394	1.00		179054
		179054						
4979		Subgrade Exc	0	0	0	1.00		
		0 0						

4980		Subsoil Exc	0	0	0	1.00	
		0	0				
4981		Fill	69	116	116	1.00	-606229 785283
		785283					
4982		TOPSOIL					
4983		Common Exc	122	247	247	1.00	
		41539	41539				
4984		Subgrade Exc	0	0	0	1.00	
		0	0				
4985		Subsoil Exc	49	81	81	1.00	
		89119	89119				
4986		Fill	0	0	0	1.00	-606229
		0	0				
4987		Mass ordinate for TOPSOIL = 130658					
4988							
4989	566+50.00	EARTH					
4990		Common Exc	37	153	153	1.00	179207
		179207					
4991		Subgrade Exc	0	0	0	1.00	
		0	0				
4992		Subsoil Exc	0	0	0	1.00	
		0	0				
4993		Fill	130	184	184	1.00	-606260 785467
		785467					
4994		TOPSOIL					
4995		Common Exc	59	168	168	1.00	
		41707	41707				
4996		Subgrade Exc	0	0	0	1.00	
		0	0				
4997		Subsoil Exc	102	140	140	1.00	
		89259	89259				
4998		Fill	0	0	0	1.00	-606260
		0	0				
4999		Mass ordinate for TOPSOIL = 130966					
5000							
5001	567+00.00	EARTH					
5002		Common Exc	13	46	46	1.00	179253
		179253					
5003		Subgrade Exc	0	0	0	1.00	
		0	0				
5004		Subsoil Exc	0	0	0	1.00	
		0	0				
5005		Fill	269	369	369	1.00	-606583 785836
		785836					
5006		TOPSOIL					
5007		Common Exc	19	72	72	1.00	
		41779	41779				
5008		Subgrade Exc	0	0	0	1.00	
		0	0				
5009		Subsoil Exc	129	214	214	1.00	
		89473	89473				
5010		Fill	0	0	0	1.00	-606583
		0	0				
5011		Mass ordinate for TOPSOIL = 131252					
5012							
5013	567+50.00	EARTH					
5014		Common Exc	13	24	24	1.00	179277
		179277					
5015		Subgrade Exc	0	0	0	1.00	
		0	0				
5016		Subsoil Exc	0	0	0	1.00	
		0	0				
5017		Fill	366	588	588	1.00	-607147 786424
		786424					
5018		TOPSOIL					
5019		Common Exc	12	29	29	1.00	

	41808	41808					
5020	Subgrade Exc	0	0	0	1.00		
	0	0					
5021	Subsoil Exc	137	246	246	1.00		
	89719	89719					
5022	Fill	0	0	0	1.00	-607147	
	0	0					
5023	Mass ordinate for TOPSOIL = 131527						
5024							
5025	568+00.00 EARTH						
5026	Common Exc	13	24	24	1.00		179301
	179301						
5027	Subgrade Exc	0	0	0	1.00		
	0	0					
5028	Subsoil Exc	0	0	0	1.00		
	0	0					
5029	Fill	416	724	724	1.00	-607847	787148
	787148						
5030	TOPSOIL						
5031	Common Exc	9	19	19	1.00		
	41827	41827					
5032	Subgrade Exc	0	0	0	1.00		
	0	0					
5033	Subsoil Exc	144	260	260	1.00		
	89979	89979					
5034	Fill	0	0	0	1.00	-607847	
	0	0					
5035	Mass ordinate for TOPSOIL = 131806						
5036							
5037	568+31.17 EARTH						
5038	Common Exc	12	14	14	1.00		179315
	179315						
5039	Subgrade Exc	0	0	0	1.00		
	0	0					
5040	Subsoil Exc	0	0	0	1.00		
	0	0					
5041	Fill	429	488	488	1.00	-608321	787636
	787636						
5042	TOPSOIL						
5043	Common Exc	7	9	9	1.00		
	41836	41836					
5044	Subgrade Exc	0	0	0	1.00		
	0	0					
5045	Subsoil Exc	146	167	167	1.00		
	90146	90146					
5046	Fill	0	0	0	1.00	-608321	
	0	0					
5047	Mass ordinate for TOPSOIL = 131982						
5048							
5049	568+50.00 EARTH						
5050	Common Exc	13	9	9	1.00		179324
	179324						
5051	Subgrade Exc	0	0	0	1.00		
	0	0					
5052	Subsoil Exc	0	0	0	1.00		
	0	0					
5053	Fill	432	300	300	1.00	-608612	787936
	787936						
5054	TOPSOIL						
5055	Common Exc	6	5	5	1.00		
	41841	41841					
5056	Subgrade Exc	0	0	0	1.00		
	0	0					
5057	Subsoil Exc	146	102	102	1.00		
	90248	90248					
5058	Fill	0	0	0	1.00	-608612	

5059		0	0					
5060		Mass ordinate for TOPSOIL = 132089						
5061	568+71.17 EARTH							
5062	Common Exc	14	11	11	1.00		179335	
	179335							
5063	Subgrade Exc	0	0	0	1.00			
	0 0							
5064	Subsoil Exc	0	0	0	1.00			
	0 0							
5065	Fill	438	341	341	1.00	-608942	788277	
	788277							
5066	TOPSOIL							
5067	Common Exc	6	5	5	1.00			
	41846 41846							
5068	Subgrade Exc	0	0	0	1.00			
	0 0							
5069	Subsoil Exc	146	114	114	1.00			
	90362 90362							
5070	Fill	0	0	0	1.00	-608942		
	0 0							
5071		Mass ordinate for TOPSOIL = 132208						
5072								
5073	569+00.00 EARTH							
5074	Common Exc	15	15	15	1.00		179350	
	179350							
5075	Subgrade Exc	0	0	0	1.00			
	0 0							
5076	Subsoil Exc	0	0	0	1.00			
	0 0							
5077	Fill	432	464	464	1.00	-609391	788741	
	788741							
5078	TOPSOIL							
5079	Common Exc	7	7	7	1.00			
	41853 41853							
5080	Subgrade Exc	0	0	0	1.00			
	0 0							
5081	Subsoil Exc	143	154	154	1.00			
	90516 90516							
5082	Fill	0	0	0	1.00	-609391		
	0 0							
5083		Mass ordinate for TOPSOIL = 132369						
5084								
5085	569+50.00 EARTH							
5086	Common Exc	18	31	31	1.00		179381	
	179381							
5087	Subgrade Exc	0	0	0	1.00			
	0 0							
5088	Subsoil Exc	0	0	0	1.00			
	0 0							
5089	Fill	408	778	778	1.00	-610138	789519	
	789519							
5090	TOPSOIL							
5091	Common Exc	10	16	16	1.00			
	41869 41869							
5092	Subgrade Exc	0	0	0	1.00			
	0 0							
5093	Subsoil Exc	139	261	261	1.00			
	90777 90777							
5094	Fill	0	0	0	1.00	-610138		
	0 0							
5095		Mass ordinate for TOPSOIL = 132646						
5096								
5097	569+51.17 EARTH							
5098	Common Exc	18	1	1	1.00		179382	
	179382							

5099	Subgrade Exc	0	0	0	1.00		
	0 0						
5100	Subsoil Exc	0	0	0	1.00		
	0 0						
5101	Fill	408	18	18	1.00	-610155	789537
	789537						
5102	TOPSOIL						
5103	Common Exc	10	0	0	1.00		
	41869 41869						
5104	Subgrade Exc	0	0	0	1.00		
	0 0						
5105	Subsoil Exc	138	6	6	1.00		
	90783 90783						
5106	Fill	0	0	0	1.00	-610155	
	0 0						
5107	Mass ordinate for TOPSOIL = 132652						
5108							
5109	570+00.00 EARTH						
5110	Common Exc	23	37	37	1.00		179419
	179419						
5111	Subgrade Exc	0	0	0	1.00		
	0 0						
5112	Subsoil Exc	0	0	0	1.00		
	0 0						
5113	Fill	391	723	723	1.00	-610841	790260
	790260						
5114	TOPSOIL						
5115	Common Exc	14	22	22	1.00		
	41891 41891						
5116	Subgrade Exc	0	0	0	1.00		
	0 0						
5117	Subsoil Exc	131	243	243	1.00		
	91026 91026						
5118	Fill	0	0	0	1.00	-610841	
	0 0						
5119	Mass ordinate for TOPSOIL = 132917						
5120							
5121	570+31.17 EARTH						
5122	Common Exc	28	29	29	1.00		179448
	179448						
5123	Subgrade Exc	0	0	0	1.00		
	0 0						
5124	Subsoil Exc	0	0	0	1.00		
	0 0						
5125	Fill	385	448	448	1.00	-611260	790708
	790708						
5126	TOPSOIL						
5127	Common Exc	16	17	17	1.00		
	41908 41908						
5128	Subgrade Exc	0	0	0	1.00		
	0 0						
5129	Subsoil Exc	128	150	150	1.00		
	91176 91176						
5130	Fill	0	0	0	1.00	-611260	
	0 0						
5131	Mass ordinate for TOPSOIL = 133084						
5132							
5133	570+50.00 EARTH						
5134	Common Exc	28	20	20	1.00		179468
	179468						
5135	Subgrade Exc	0	0	0	1.00		
	0 0						
5136	Subsoil Exc	0	0	0	1.00		
	0 0						
5137	Fill	386	269	269	1.00	-611509	790977
	790977						

5138	TOPSOIL							
5139	Common Exc	16	11	11	1.00			
	41919	41919						
5140	Subgrade Exc	0	0	0	1.00			
	0	0						
5141	Subsoil Exc	129	90	90	1.00			
	91266	91266						
5142	Fill	0	0	0	1.00	-611509		
	0	0						
5143	Mass ordinate for TOPSOIL = 133185							
5144								
5145	571+00.00 EARTH							
5146	Common Exc	28	52	52	1.00		179520	
	179520							
5147	Subgrade Exc	0	0	0	1.00			
	0	0						
5148	Subsoil Exc	0	0	0	1.00			
	0	0						
5149	Fill	401	729	729	1.00	-612186	791706	
	791706							
5150	TOPSOIL							
5151	Common Exc	15	29	29	1.00			
	41948	41948						
5152	Subgrade Exc	0	0	0	1.00			
	0	0						
5153	Subsoil Exc	128	238	238	1.00			
	91504	91504						
5154	Fill	0	0	0	1.00	-612186		
	0	0						
5155	Mass ordinate for TOPSOIL = 133452							
5156								
5157	571+50.00 EARTH							
5158	Common Exc	26	50	50	1.00		179570	
	179570							
5159	Subgrade Exc	0	0	0	1.00			
	0	0						
5160	Subsoil Exc	0	0	0	1.00			
	0	0						
5161	Fill	426	766	766	1.00	-612902	792472	
	792472							
5162	TOPSOIL							
5163	Common Exc	14	27	27	1.00			
	41975	41975						
5164	Subgrade Exc	0	0	0	1.00			
	0	0						
5165	Subsoil Exc	131	240	240	1.00			
	91744	91744						
5166	Fill	0	0	0	1.00	-612902		
	0	0						
5167	Mass ordinate for TOPSOIL = 133719							
5168								
5169	572+00.00 EARTH							
5170	Common Exc	23	45	45	1.00		179615	
	179615							
5171	Subgrade Exc	0	0	0	1.00			
	0	0						
5172	Subsoil Exc	0	0	0	1.00			
	0	0						
5173	Fill	457	818	818	1.00	-613675	793290	
	793290							
5174	TOPSOIL							
5175	Common Exc	12	24	24	1.00			
	41999	41999						
5176	Subgrade Exc	0	0	0	1.00			
	0	0						
5177	Subsoil Exc	137	248	248	1.00			

5178	91992	91992						
	Fill	0	0	0	0	1.00	-613675	
	0	0						
5179	Mass ordinate for TOPSOIL = 133991							
5180								
5181	572+50.00	EARTH						
5182	Common Exc	20	40	40	1.00		179655	
	179655							
5183	Subgrade Exc	0	0	0	1.00			
	0	0						
5184	Subsoil Exc	0	0	0	1.00			
	0	0						
5185	Fill	483	870	870	1.00	-614505	794160	
	794160							
5186	TOPSOIL							
5187	Common Exc	10	20	20	1.00			
	42019	42019						
5188	Subgrade Exc	0	0	0	1.00			
	0	0						
5189	Subsoil Exc	148	264	264	1.00			
	92256	92256						
5190	Fill	0	0	0	1.00	-614505		
	0	0						
5191	Mass ordinate for TOPSOIL = 134275							
5192								
5193	572+78.74	EARTH						
5194	Common Exc	0	11	11	1.00		179666	
	179666							
5195	Subgrade Exc	0	0	0	1.00			
	0	0						
5196	Subsoil Exc	0	0	0	1.00			
	0	0						
5197	Fill	504	525	525	1.00	-615019	794685	
	794685							
5198	TOPSOIL							
5199	Common Exc	26	19	19	1.00			
	42038	42038						
5200	Subgrade Exc	0	0	0	1.00			
	0	0						
5201	Subsoil Exc	157	162	162	1.00			
	92418	92418						
5202	Fill	0	0	0	1.00	-615019		
	0	0						
5203	Mass ordinate for TOPSOIL = 134456							
5204								
5205	573+00.00	EARTH						
5206	Common Exc	15	6	6	1.00		179672	
	179672							
5207	Subgrade Exc	0	0	0	1.00			
	0	0						
5208	Subsoil Exc	0	0	0	1.00			
	0	0						
5209	Fill	502	396	396	1.00	-615409	795081	
	795081							
5210	TOPSOIL							
5211	Common Exc	7	13	13	1.00			
	42051	42051						
5212	Subgrade Exc	0	0	0	1.00			
	0	0						
5213	Subsoil Exc	153	122	122	1.00			
	92540	92540						
5214	Fill	0	0	0	1.00	-615409		
	0	0						
5215	Mass ordinate for TOPSOIL = 134591							
5216								
5217	573+50.00	EARTH						

5218	Common Exc	15	28	28	1.00	179700
	179700					
5219	Subgrade Exc	0	0	0	1.00	
	0 0					
5220	Subsoil Exc	0	0	0	1.00	
	0 0					
5221	Fill	518	944	944	1.00	-616325 796025
	796025					
5222	TOPSOIL					
5223	Common Exc	7	13	13	1.00	
	42064 42064					
5224	Subgrade Exc	0	0	0	1.00	
	0 0					
5225	Subsoil Exc	150	281	281	1.00	
	92821 92821					
5226	Fill	0	0	0	1.00	-616325
	0 0					
5227	Mass ordinate for TOPSOIL =	134885				
5228						
5229	574+00.00 EARTH					
5230	Common Exc	15	28	28	1.00	179728
	179728					
5231	Subgrade Exc	0	0	0	1.00	
	0 0					
5232	Subsoil Exc	0	0	0	1.00	
	0 0					
5233	Fill	493	936	936	1.00	-617233 796961
	796961					
5234	TOPSOIL					
5235	Common Exc	8	14	14	1.00	
	42078 42078					
5236	Subgrade Exc	0	0	0	1.00	
	0 0					
5237	Subsoil Exc	148	276	276	1.00	
	93097 93097					
5238	Fill	0	0	0	1.00	-617233
	0 0					
5239	Mass ordinate for TOPSOIL =	135175				
5240						
5241	574+50.00 EARTH					
5242	Common Exc	13	26	26	1.00	179754
	179754					
5243	Subgrade Exc	0	0	0	1.00	
	0 0					
5244	Subsoil Exc	0	0	0	1.00	
	0 0					
5245	Fill	540	956	956	1.00	-618163 797917
	797917					
5246	TOPSOIL					
5247	Common Exc	5	12	12	1.00	
	42090 42090					
5248	Subgrade Exc	0	0	0	1.00	
	0 0					
5249	Subsoil Exc	150	276	276	1.00	
	93373 93373					
5250	Fill	0	0	0	1.00	-618163
	0 0					
5251	Mass ordinate for TOPSOIL =	135463				
5252						
5253	575+00.00 EARTH					
5254	Common Exc	10	21	21	1.00	179775
	179775					
5255	Subgrade Exc	0	0	0	1.00	
	0 0					
5256	Subsoil Exc	0	0	0	1.00	
	0 0					

5257		Fill	539	999	999	1.00	-619141	798916
		798916						
5258	TOPSOIL							
5259	Common Exc	3	7	7	1.00			
	42097	42097						
5260	Subgrade Exc	0	0	0	1.00			
	0	0						
5261	Subsoil Exc	153	281	281	1.00			
	93654	93654						
5262	Fill	0	0	0	1.00	-619141		
	0	0						
5263	Mass ordinate for TOPSOIL = 135751							
5264								
5265	575+50.00 EARTH							
5266	Common Exc	7	16	16	1.00			179791
	179791							
5267	Subgrade Exc	0	0	0	1.00			
	0	0						
5268	Subsoil Exc	0	0	0	1.00			
	0	0						
5269	Fill	579	1035	1035	1.00	-620160		799951
	799951							
5270	TOPSOIL							
5271	Common Exc	2	5	5	1.00			
	42102	42102						
5272	Subgrade Exc	0	0	0	1.00			
	0	0						
5273	Subsoil Exc	154	284	284	1.00			
	93938	93938						
5274	Fill	0	0	0	1.00	-620160		
	0	0						
5275	Mass ordinate for TOPSOIL = 136040							
5276								
5277	576+00.00 EARTH							
5278	Common Exc	5	11	11	1.00			179802
	179802							
5279	Subgrade Exc	0	0	0	1.00			
	0	0						
5280	Subsoil Exc	0	0	0	1.00			
	0	0						
5281	Fill	584	1077	1077	1.00	-621226		801028
	801028							
5282	TOPSOIL							
5283	Common Exc	1	3	3	1.00			
	42105	42105						
5284	Subgrade Exc	0	0	0	1.00			
	0	0						
5285	Subsoil Exc	155	286	286	1.00			
	94224	94224						
5286	Fill	0	0	0	1.00	-621226		
	0	0						
5287	Mass ordinate for TOPSOIL = 136329							
5288								
5289	576+50.00 EARTH							
5290	Common Exc	4	8	8	1.00			179810
	179810							
5291	Subgrade Exc	0	0	0	1.00			
	0	0						
5292	Subsoil Exc	0	0	0	1.00			
	0	0						
5293	Fill	571	1069	1069	1.00	-622287		802097
	802097							
5294	TOPSOIL							
5295	Common Exc	1	2	2	1.00			
	42107	42107						
5296	Subgrade Exc	0	0	0	1.00			

5297		0	Subsoil Exc	158	290	290	1.00	
		94514	94514					
5298		0	Fill	0	0	0	1.00	-622287
		0	0					
5299			Mass ordinate for TOPSOIL =	136621				
5300								
5301	577+00.00		EARTH					
5302		0	Common Exc	6	9	9	1.00	179819
		179819						
5303		0	Subgrade Exc	0	0	0	1.00	
		0	0					
5304		0	Subsoil Exc	0	0	0	1.00	
		0	0					
5305		0	Fill	551	1039	1039	1.00	-623317
		803136						803136
5306			TOPSOIL					
5307		0	Common Exc	1	2	2	1.00	
		42109	42109					
5308		0	Subgrade Exc	0	0	0	1.00	
		0	0					
5309		0	Subsoil Exc	158	293	293	1.00	
		94807	94807					
5310		0	Fill	0	0	0	1.00	-623317
		0	0					
5311			Mass ordinate for TOPSOIL =	136916				
5312								
5313	577+50.00		EARTH					
5314		0	Common Exc	10	15	15	1.00	179834
		179834						
5315		0	Subgrade Exc	0	0	0	1.00	
		0	0					
5316		0	Subsoil Exc	0	0	0	1.00	
		0	0					
5317		0	Fill	530	1001	1001	1.00	-624303
		804137						804137
5318			TOPSOIL					
5319		0	Common Exc	3	4	4	1.00	
		42113	42113					
5320		0	Subgrade Exc	0	0	0	1.00	
		0	0					
5321		0	Subsoil Exc	152	287	287	1.00	
		95094	95094					
5322		0	Fill	0	0	0	1.00	-624303
		0	0					
5323			Mass ordinate for TOPSOIL =	137207				
5324								
5325	577+69.09		EARTH					
5326		0	Common Exc	13	8	8	1.00	179842
		179842						
5327		0	Subgrade Exc	0	0	0	1.00	
		0	0					
5328		0	Subsoil Exc	0	0	0	1.00	
		0	0					
5329		0	Fill	508	367	367	1.00	-624662
		804504						804504
5330			TOPSOIL					
5331		0	Common Exc	4	2	2	1.00	
		42115	42115					
5332		0	Subgrade Exc	0	0	0	1.00	
		0	0					
5333		0	Subsoil Exc	151	107	107	1.00	
		95201	95201					
5334		0	Fill	0	0	0	1.00	-624662
		0	0					
5335			Mass ordinate for TOPSOIL =	137316				

5336								
5337	578+00.00	EARTH						
5338		Common Exc	20	19	19	1.00		179861
		179861						
5339		Subgrade Exc	0	0	0	1.00		
		0 0						
5340		Subsoil Exc	0	0	0	1.00		
		0 0						
5341		Fill	502	578	578	1.00	-625221	805082
		805082						
5342		TOPSOIL						
5343		Common Exc	7	6	6	1.00		
		42121 42121						
5344		Subgrade Exc	0	0	0	1.00		
		0 0						
5345		Subsoil Exc	150	172	172	1.00		
		95373 95373						
5346		Fill	0	0	0	1.00	-625221	
		0 0						
5347		Mass ordinate for TOPSOIL = 137494						
5348								
5349	578+49.73	EARTH						
5350		Common Exc	29	45	45	1.00		179906
		179906						
5351		Subgrade Exc	0	0	0	1.00		
		0 0						
5352		Subsoil Exc	0	0	0	1.00		
		0 0						
5353		Fill	383	815	815	1.00	-625991	805897
		805897						
5354		TOPSOIL						
5355		Common Exc	13	18	18	1.00		
		42139 42139						
5356		Subgrade Exc	0	0	0	1.00		
		0 0						
5357		Subsoil Exc	129	257	257	1.00		
		95630 95630						
5358		Fill	0	0	0	1.00	-625991	
		0 0						
5359		Mass ordinate for TOPSOIL = 137769						
5360								
5361	578+50.00	EARTH						
5362		Common Exc	29	0	0	1.00		179906
		179906						
5363		Subgrade Exc	0	0	0	1.00		
		0 0						
5364		Subsoil Exc	0	0	0	1.00		
		0 0						
5365		Fill	382	4	4	1.00	-625995	805901
		805901						
5366		TOPSOIL						
5367		Common Exc	13	0	0	1.00		
		42139 42139						
5368		Subgrade Exc	0	0	0	1.00		
		0 0						
5369		Subsoil Exc	129	1	1	1.00		
		95631 95631						
5370		Fill	0	0	0	1.00	-625995	
		0 0						
5371		Mass ordinate for TOPSOIL = 137770						
5372								
5373	579+00.00	EARTH						
5374		Common Exc	35	59	59	1.00		179965
		179965						
5375		Subgrade Exc	0	0	0	1.00		
		0 0						

5376		Subsoil Exc	0	0	0	1.00		
	0	0						
5377		Fill	313	644	644	1.00	-626580	806545
		806545						
5378		TOPSOIL						
5379		Common Exc	15	26	26	1.00		
		42165	42165					
5380		Subgrade Exc	0	0	0	1.00		
	0	0						
5381		Subsoil Exc	120	231	231	1.00		
		95862	95862					
5382		Fill	0	0	0	1.00	-626580	
	0	0						
5383		Mass ordinate for TOPSOIL = 138027						
5384								
5385	579+30.38	EARTH						
5386		Common Exc	34	39	39	1.00		180004
		180004						
5387		Subgrade Exc	0	0	0	1.00		
	0	0						
5388		Subsoil Exc	0	0	0	1.00		
	0	0						
5389		Fill	342	368	368	1.00	-626909	806913
		806913						
5390		TOPSOIL						
5391		Common Exc	15	17	17	1.00		
		42182	42182					
5392		Subgrade Exc	0	0	0	1.00		
	0	0						
5393		Subsoil Exc	136	144	144	1.00		
		96006	96006					
5394		Fill	0	0	0	1.00	-626909	
	0	0						
5395		Mass ordinate for TOPSOIL = 138188						
5396								
5397	579+50.00	EARTH						
5398		Common Exc	35	25	25	1.00		180029
		180029						
5399		Subgrade Exc	0	0	0	1.00		
	0	0						
5400		Subsoil Exc	0	0	0	1.00		
	0	0						
5401		Fill	325	242	242	1.00	-627126	807155
		807155						
5402		TOPSOIL						
5403		Common Exc	17	12	12	1.00		
		42194	42194					
5404		Subgrade Exc	0	0	0	1.00		
	0	0						
5405		Subsoil Exc	124	94	94	1.00		
		96100	96100					
5406		Fill	0	0	0	1.00	-627126	
	0	0						
5407		Mass ordinate for TOPSOIL = 138294						
5408								
5409	580+00.00	EARTH						
5410		Common Exc	35	65	65	1.00		180094
		180094						
5411		Subgrade Exc	0	0	0	1.00		
	0	0						
5412		Subsoil Exc	0	0	0	1.00		
	0	0						
5413		Fill	298	577	577	1.00	-627638	807732
		807732						
5414		TOPSOIL						
5415		Common Exc	19	33	33	1.00		

	42227	42227					
5416	Subgrade Exc	0	0	0	1.00		
	0	0					
5417	Subsoil Exc	125	231	231	1.00		
	96331	96331					
5418	Fill	0	0	0	1.00	-627638	
	0	0					
5419	Mass ordinate for TOPSOIL = 138558						
5420							
5421	580+50.00 EARTH						
5422	Common Exc	42	71	71	1.00		180165
	180165						
5423	Subgrade Exc	0	0	0	1.00		
	0	0					
5424	Subsoil Exc	0	0	0	1.00		
	0	0					
5425	Fill	209	469	469	1.00	-628036	808201
	808201						
5426	TOPSOIL						
5427	Common Exc	32	47	47	1.00		
	42274	42274					
5428	Subgrade Exc	0	0	0	1.00		
	0	0					
5429	Subsoil Exc	109	217	217	1.00		
	96548	96548					
5430	Fill	0	0	0	1.00	-628036	
	0	0					
5431	Mass ordinate for TOPSOIL = 138822						
5432							
5433	581+00.00 EARTH						
5434	Common Exc	45	81	81	1.00		180246
	180246						
5435	Subgrade Exc	0	0	0	1.00		
	0	0					
5436	Subsoil Exc	0	0	0	1.00		
	0	0					
5437	Fill	175	356	356	1.00	-628311	808557
	808557						
5438	TOPSOIL						
5439	Common Exc	51	77	77	1.00		
	42351	42351					
5440	Subgrade Exc	0	0	0	1.00		
	0	0					
5441	Subsoil Exc	95	189	189	1.00		
	96737	96737					
5442	Fill	0	0	0	1.00	-628311	
	0	0					
5443	Mass ordinate for TOPSOIL = 139088						
5444							
5445	581+50.00 EARTH						
5446	Common Exc	46	84	84	1.00		180330
	180330						
5447	Subgrade Exc	0	0	0	1.00		
	0	0					
5448	Subsoil Exc	0	0	0	1.00		
	0	0					
5449	Fill	196	344	344	1.00	-628571	808901
	808901						
5450	TOPSOIL						
5451	Common Exc	60	103	103	1.00		
	42454	42454					
5452	Subgrade Exc	0	0	0	1.00		
	0	0					
5453	Subsoil Exc	94	175	175	1.00		
	96912	96912					
5454	Fill	0	0	0	1.00	-628571	

5455		0	0					
5456		Mass ordinate for TOPSOIL = 139366						
5457	582+00.00	EARTH						
5458		Common Exc	64	102	102	1.00		180432
		180432						
5459		Subgrade Exc	0	0	0	1.00		
		0	0					
5460		Subsoil Exc	0	0	0	1.00		
		0	0					
5461		Fill	196	363	363	1.00	-628832	809264
		809264						
5462		TOPSOIL						
5463		Common Exc	64	115	115	1.00		
		42569	42569					
5464		Subgrade Exc	0	0	0	1.00		
		0	0					
5465		Subsoil Exc	97	177	177	1.00		
		97089	97089					
5466		Fill	0	0	0	1.00	-628832	
		0	0					
5467		Mass ordinate for TOPSOIL = 139658						
5468								
5469	582+50.00	EARTH						
5470		Common Exc	85	138	138	1.00		180570
		180570						
5471		Subgrade Exc	0	0	0	1.00		
		0	0					
5472		Subsoil Exc	0	0	0	1.00		
		0	0					
5473		Fill	149	319	319	1.00	-629013	809583
		809583						
5474		TOPSOIL						
5475		Common Exc	80	133	133	1.00		
		42702	42702					
5476		Subgrade Exc	0	0	0	1.00		
		0	0					
5477		Subsoil Exc	82	166	166	1.00		
		97255	97255					
5478		Fill	0	0	0	1.00	-629013	
		0	0					
5479		Mass ordinate for TOPSOIL = 139957						
5480								
5481	583+00.00	EARTH						
5482		Common Exc	112	182	182	1.00		180752
		180752						
5483		Subgrade Exc	0	0	0	1.00		
		0	0					
5484		Subsoil Exc	0	0	0	1.00		
		0	0					
5485		Fill	109	239	239	1.00	-629070	809822
		809822						
5486		TOPSOIL						
5487		Common Exc	93	160	160	1.00		
		42862	42862					
5488		Subgrade Exc	0	0	0	1.00		
		0	0					
5489		Subsoil Exc	73	144	144	1.00		
		97399	97399					
5490		Fill	0	0	0	1.00	-629070	
		0	0					
5491		Mass ordinate for TOPSOIL = 140261						
5492								
5493	583+50.00	EARTH						
5494		Common Exc	160	252	252	1.00		181004
		181004						

5495	Subgrade	Exc	0	0	0	1.00		
	0	0						
5496	Subsoil	Exc	0	0	0	1.00		
	0	0						
5497	Fill		83	178	178	1.00	-628996	810000
	810000							
5498	TOPSOIL							
5499	Common	Exc	117	194	194	1.00		
	43056	43056						
5500	Subgrade	Exc	0	0	0	1.00		
	0	0						
5501	Subsoil	Exc	54	118	118	1.00		
	97517	97517						
5502	Fill		0	0	0	1.00	-628996	
	0	0						
5503	Mass ordinate for TOPSOIL = 140573							
5504								
5505	584+00.00 EARTH							
5506	Common	Exc	233	364	364	1.00		181368
	181368							
5507	Subgrade	Exc	0	0	0	1.00		
	0	0						
5508	Subsoil	Exc	0	0	0	1.00		
	0	0						
5509	Fill		91	161	161	1.00	-628793	810161
	810161							
5510	TOPSOIL							
5511	Common	Exc	120	219	219	1.00		
	43275	43275						
5512	Subgrade	Exc	0	0	0	1.00		
	0	0						
5513	Subsoil	Exc	59	105	105	1.00		
	97622	97622						
5514	Fill		0	0	0	1.00	-628793	
	0	0						
5515	Mass ordinate for TOPSOIL = 140897							
5516								
5517	584+50.00 EARTH							
5518	Common	Exc	308	501	501	1.00		181869
	181869							
5519	Subgrade	Exc	0	0	0	1.00		
	0	0						
5520	Subsoil	Exc	0	0	0	1.00		
	0	0						
5521	Fill		59	139	139	1.00	-628431	810300
	810300							
5522	TOPSOIL							
5523	Common	Exc	161	260	260	1.00		
	43535	43535						
5524	Subgrade	Exc	0	0	0	1.00		
	0	0						
5525	Subsoil	Exc	31	83	83	1.00		
	97705	97705						
5526	Fill		0	0	0	1.00	-628431	
	0	0						
5527	Mass ordinate for TOPSOIL = 141240							
5528								
5529	585+00.00 EARTH							
5530	Common	Exc	295	558	558	1.00		182427
	182427							
5531	Subgrade	Exc	0	0	0	1.00		
	0	0						
5532	Subsoil	Exc	0	0	0	1.00		
	0	0						
5533	Fill		137	181	181	1.00	-628054	810481
	810481							

5534	TOPSOIL						
5535	Common Exc	136	275	275	1.00		
	43810	43810					
5536	Subgrade Exc	0	0	0	1.00		
	0	0					
5537	Subsoil Exc	70	94	94	1.00		
	97799	97799					
5538	Fill	0	0	0	1.00	-628054	
	0	0					
5539	Mass ordinate for TOPSOIL = 141609						
5540							
5541	585+50.00 EARTH						
5542	Common Exc	259	513	513	1.00		182940
	182940						
5543	Subgrade Exc	0	0	0	1.00		
	0	0					
5544	Subsoil Exc	0	0	0	1.00		
	0	0					
5545	Fill	156	271	271	1.00	-627812	810752
	810752						
5546	TOPSOIL						
5547	Common Exc	141	256	256	1.00		
	44066	44066					
5548	Subgrade Exc	0	0	0	1.00		
	0	0					
5549	Subsoil Exc	76	135	135	1.00		
	97934	97934					
5550	Fill	0	0	0	1.00	-627812	
	0	0					
5551	Mass ordinate for TOPSOIL = 142000						
5552							
5553	586+00.00 EARTH						
5554	Common Exc	178	405	405	1.00		183345
	183345						
5555	Subgrade Exc	0	0	0	1.00		
	0	0					
5556	Subsoil Exc	0	0	0	1.00		
	0	0					
5557	Fill	157	290	290	1.00	-627697	811042
	811042						
5558	TOPSOIL						
5559	Common Exc	142	262	262	1.00		
	44328	44328					
5560	Subgrade Exc	0	0	0	1.00		
	0	0					
5561	Subsoil Exc	77	142	142	1.00		
	98076	98076					
5562	Fill	0	0	0	1.00	-627697	
	0	0					
5563	Mass ordinate for TOPSOIL = 142404						
5564							
5565	586+50.00 EARTH						
5566	Common Exc	148	302	302	1.00		183647
	183647						
5567	Subgrade Exc	0	0	0	1.00		
	0	0					
5568	Subsoil Exc	0	0	0	1.00		
	0	0					
5569	Fill	99	237	237	1.00	-627632	811279
	811279						
5570	TOPSOIL						
5571	Common Exc	132	254	254	1.00		
	44582	44582					
5572	Subgrade Exc	0	0	0	1.00		
	0	0					
5573	Subsoil Exc	68	134	134	1.00		

	98210	98210					
5574	Fill	0	0	0	1.00	-627632	
	0	0					
5575	Mass ordinate for TOPSOIL = 142792						
5576							
5577	587+00.00 EARTH						
5578	Common Exc	161	286	286	1.00		183933
	183933						
5579	Subgrade Exc	0	0	0	1.00		
	0	0					
5580	Subsoil Exc	0	0	0	1.00		
	0	0					
5581	Fill	153	233	233	1.00	-627579	811512
	811512						
5582	TOPSOIL						
5583	Common Exc	126	239	239	1.00		
	44821	44821					
5584	Subgrade Exc	0	0	0	1.00		
	0	0					
5585	Subsoil Exc	73	131	131	1.00		
	98341	98341					
5586	Fill	0	0	0	1.00	-627579	
	0	0					
5587	Mass ordinate for TOPSOIL = 143162						
5588							
5589	587+50.00 EARTH						
5590	Common Exc	163	300	300	1.00		184233
	184233						
5591	Subgrade Exc	0	0	0	1.00		
	0	0					
5592	Subsoil Exc	0	0	0	1.00		
	0	0					
5593	Fill	134	266	266	1.00	-627545	811778
	811778						
5594	TOPSOIL						
5595	Common Exc	126	233	233	1.00		
	45054	45054					
5596	Subgrade Exc	0	0	0	1.00		
	0	0					
5597	Subsoil Exc	68	131	131	1.00		
	98472	98472					
5598	Fill	0	0	0	1.00	-627545	
	0	0					
5599	Mass ordinate for TOPSOIL = 143526						
5600							
5601	588+00.00 EARTH						
5602	Common Exc	190	327	327	1.00		184560
	184560						
5603	Subgrade Exc	0	0	0	1.00		
	0	0					
5604	Subsoil Exc	0	0	0	1.00		
	0	0					
5605	Fill	117	232	232	1.00	-627450	812010
	812010						
5606	TOPSOIL						
5607	Common Exc	126	233	233	1.00		
	45287	45287					
5608	Subgrade Exc	0	0	0	1.00		
	0	0					
5609	Subsoil Exc	62	120	120	1.00		
	98592	98592					
5610	Fill	0	0	0	1.00	-627450	
	0	0					
5611	Mass ordinate for TOPSOIL = 143879						
5612							
5613	588+50.00 EARTH						

5614		Common Exc	209	369	369	1.00		184929
		184929						
5615		Subgrade Exc	0	0	0	1.00		
		0 0						
5616		Subsoil Exc	0	0	0	1.00		
		0 0						
5617		Fill	102	203	203	1.00	-627284	812213
		812213						
5618		TOPSOIL						
5619		Common Exc	139	245	245	1.00		
		45532 45532						
5620		Subgrade Exc	0	0	0	1.00		
		0 0						
5621		Subsoil Exc	56	109	109	1.00		
		98701 98701						
5622		Fill	0	0	0	1.00	-627284	
		0 0						
5623		Mass ordinate for TOPSOIL = 144233						
5624								
5625	588+72.04	EARTH						
5626		Common Exc	242	184	184	1.00		185113
		185113						
5627		Subgrade Exc	0	0	0	1.00		
		0 0						
5628		Subsoil Exc	0	0	0	1.00		
		0 0						
5629		Fill	94	80	80	1.00	-627180	812293
		812293						
5630		TOPSOIL						
5631		Common Exc	151	118	118	1.00		
		45650 45650						
5632		Subgrade Exc	0	0	0	1.00		
		0 0						
5633		Subsoil Exc	53	44	44	1.00		
		98745 98745						
5634		Fill	0	0	0	1.00	-627180	
		0 0						
5635		Mass ordinate for TOPSOIL = 144395						
5636								
5637	589+00.00	EARTH						
5638		Common Exc	313	287	287	1.00		185400
		185400						
5639		Subgrade Exc	0	0	0	1.00		
		0 0						
5640		Subsoil Exc	0	0	0	1.00		
		0 0						
5641		Fill	84	92	92	1.00	-626985	812385
		812385						
5642		TOPSOIL						
5643		Common Exc	163	163	163	1.00		
		45813 45813						
5644		Subgrade Exc	0	0	0	1.00		
		0 0						
5645		Subsoil Exc	50	53	53	1.00		
		98798 98798						
5646		Fill	0	0	0	1.00	-626985	
		0 0						
5647		Mass ordinate for TOPSOIL = 144611						
5648								
5649	589+50.00	EARTH						
5650		Common Exc	335	600	600	1.00		186000
		186000						
5651		Subgrade Exc	0	0	0	1.00		
		0 0						
5652		Subsoil Exc	0	0	0	1.00		
		0 0						

5653		Fill	59	132	132	1.00	-626517	812517
		812517						
5654	TOPSOIL							
5655		Common Exc	192	329	329	1.00		
		46142	46142					
5656		Subgrade Exc	0	0	0	1.00		
		0	0					
5657		Subsoil Exc	35	79	79	1.00		
		98877	98877					
5658		Fill	0	0	0	1.00	-626517	
		0	0					
5659		Mass ordinate for TOPSOIL = 145019						
5660								
5661	590+00.00 EARTH							
5662		Common Exc	379	661	661	1.00		186661
		186661						
5663		Subgrade Exc	0	0	0	1.00		
		0	0					
5664		Subsoil Exc	0	0	0	1.00		
		0	0					
5665		Fill	74	123	123	1.00	-625979	812640
		812640						
5666	TOPSOIL							
5667		Common Exc	185	349	349	1.00		
		46491	46491					
5668		Subgrade Exc	0	0	0	1.00		
		0	0					
5669		Subsoil Exc	49	78	78	1.00		
		98955	98955					
5670		Fill	0	0	0	1.00	-625979	
		0	0					
5671		Mass ordinate for TOPSOIL = 145446						
5672								
5673	590+41.40 EARTH							
5674		Common Exc	348	557	557	1.00		187218
		187218						
5675		Subgrade Exc	0	0	0	1.00		
		0	0					
5676		Subsoil Exc	0	0	0	1.00		
		0	0					
5677		Fill	96	130	130	1.00	-625552	812770
		812770						
5678	TOPSOIL							
5679		Common Exc	174	275	275	1.00		
		46766	46766					
5680		Subgrade Exc	0	0	0	1.00		
		0	0					
5681		Subsoil Exc	62	85	85	1.00		
		99040	99040					
5682		Fill	0	0	0	1.00	-625552	
		0	0					
5683		Mass ordinate for TOPSOIL = 145806						
5684								
5685	590+50.00 EARTH							
5686		Common Exc	332	108	108	1.00		187326
		187326						
5687		Subgrade Exc	0	0	0	1.00		
		0	0					
5688		Subsoil Exc	0	0	0	1.00		
		0	0					
5689		Fill	100	31	31	1.00	-625475	812801
		812801						
5690	TOPSOIL							
5691		Common Exc	166	54	54	1.00		
		46820	46820					
5692		Subgrade Exc	0	0	0	1.00		

5693	0	0	Subsoil Exc	66	20	20	1.00	
	99060	99060						
5694			Fill	0	0	0	1.00	-625475
	0	0						
5695			Mass ordinate for TOPSOIL =	145880				
5696								
5697	591+00.00		EARTH					
5698			Common Exc	236	526	526	1.00	187852
			187852					
5699			Subgrade Exc	0	0	0	1.00	
	0	0						
5700			Subsoil Exc	0	0	0	1.00	
	0	0						
5701			Fill	82	169	169	1.00	-625118 812970
			812970					
5702			TOPSOIL					
5703			Common Exc	134	278	278	1.00	
	47098	47098						
5704			Subgrade Exc	0	0	0	1.00	
	0	0						
5705			Subsoil Exc	59	116	116	1.00	
	99176	99176						
5706			Fill	0	0	0	1.00	-625118
	0	0						
5707			Mass ordinate for TOPSOIL =	146274				
5708								
5709	591+22.04		EARTH					
5710			Common Exc	133	151	151	1.00	188003
			188003					
5711			Subgrade Exc	0	0	0	1.00	
	0	0						
5712			Subsoil Exc	0	0	0	1.00	
	0	0						
5713			Fill	76	64	64	1.00	-625031 813034
			813034					
5714			TOPSOIL					
5715			Common Exc	131	108	108	1.00	
	47206	47206						
5716			Subgrade Exc	0	0	0	1.00	
	0	0						
5717			Subsoil Exc	60	49	49	1.00	
	99225	99225						
5718			Fill	0	0	0	1.00	-625031
	0	0						
5719			Mass ordinate for TOPSOIL =	146431				
5720								
5721	591+50.00		EARTH					
5722			Common Exc	85	113	113	1.00	188116
			188116					
5723			Subgrade Exc	0	0	0	1.00	
	0	0						
5724			Subsoil Exc	0	0	0	1.00	
	0	0						
5725			Fill	64	72	72	1.00	-624990 813106
			813106					
5726			TOPSOIL					
5727			Common Exc	133	137	137	1.00	
	47343	47343						
5728			Subgrade Exc	0	0	0	1.00	
	0	0						
5729			Subsoil Exc	58	61	61	1.00	
	99286	99286						
5730			Fill	0	0	0	1.00	-624990
	0	0						
5731			Mass ordinate for TOPSOIL =	146629				

5732								
5733	592+00.00	EARTH						
5734		Common Exc	69	143	143	1.00		188259
		188259						
5735		Subgrade Exc	0	0	0	1.00		
		0 0						
5736		Subsoil Exc	0	0	0	1.00		
		0 0						
5737		Fill	77	131	131	1.00	-624978	813237
		813237						
5738		TOPSOIL						
5739		Common Exc	63	181	181	1.00		
		47524 47524						
5740		Subgrade Exc	0	0	0	1.00		
		0 0						
5741		Subsoil Exc	77	125	125	1.00		
		99411 99411						
5742		Fill	0	0	0	1.00	-624978	
		0 0						
5743		Mass ordinate for TOPSOIL = 146935						
5744								
5745	592+02.69	EARTH						
5746		Common Exc	70	7	7	1.00		188266
		188266						
5747		Subgrade Exc	0	0	0	1.00		
		0 0						
5748		Subsoil Exc	0	0	0	1.00		
		0 0						
5749		Fill	21	5	5	1.00	-624976	813242
		813242						
5750		TOPSOIL						
5751		Common Exc	77	7	7	1.00		
		47531 47531						
5752		Subgrade Exc	0	0	0	1.00		
		0 0						
5753		Subsoil Exc	21	5	5	1.00		
		99416 99416						
5754		Fill	0	0	0	1.00	-624976	
		0 0						
5755		Mass ordinate for TOPSOIL = 146947						
5756								
5757	592+50.00	EARTH						
5758		Common Exc	131	176	176	1.00		188442
		188442						
5759		Subgrade Exc	0	0	0	1.00		
		0 0						
5760		Subsoil Exc	0	0	0	1.00		
		0 0						
5761		Fill	5	23	23	1.00	-624823	813265
		813265						
5762		TOPSOIL						
5763		Common Exc	50	111	111	1.00		
		47642 47642						
5764		Subgrade Exc	0	0	0	1.00		
		0 0						
5765		Subsoil Exc	5	23	23	1.00		
		99439 99439						
5766		Fill	0	0	0	1.00	-624823	
		0 0						
5767		Mass ordinate for TOPSOIL = 147081						
5768								
5769	593+00.00	EARTH						
5770		Common Exc	164	273	273	1.00		188715
		188715						
5771		Subgrade Exc	0	0	0	1.00		
		0 0						

5772	Subsoil Exc	0	0	0	1.00		
	0 0						
5773	Fill	4	8	8	1.00	-624558	813273
	813273						
5774	TOPSOIL						
5775	Common Exc	36	80	80	1.00		
	47722 47722						
5776	Subgrade Exc	0	0	0	1.00		
	0 0						
5777	Subsoil Exc	4	8	8	1.00		
	99447 99447						
5778	Fill	0	0	0	1.00	-624558	
	0 0						
5779	Mass ordinate for TOPSOIL = 147169						
5780							
5781	593+50.00 EARTH						
5782	Common Exc	123	266	266	1.00		188981
	188981						
5783	Subgrade Exc	0	0	0	1.00		
	0 0						
5784	Subsoil Exc	0	0	0	1.00		
	0 0						
5785	Fill	11	14	14	1.00	-624306	813287
	813287						
5786	TOPSOIL						
5787	Common Exc	64	93	93	1.00		
	47815 47815						
5788	Subgrade Exc	0	0	0	1.00		
	0 0						
5789	Subsoil Exc	11	14	14	1.00		
	99461 99461						
5790	Fill	0	0	0	1.00	-624306	
	0 0						
5791	Mass ordinate for TOPSOIL = 147276						
5792							
5793	594+00.00 EARTH						
5794	Common Exc	0	114	114	1.00		189095
	189095						
5795	Subgrade Exc	0	0	0	1.00		
	0 0						
5796	Subsoil Exc	0	0	0	1.00		
	0 0						
5797	Fill	26	34	34	1.00	-624226	813321
	813321						
5798	TOPSOIL						
5799	Common Exc	0	59	59	1.00		
	47874 47874						
5800	Subgrade Exc	0	0	0	1.00		
	0 0						
5801	Subsoil Exc	23	31	31	1.00		
	99492 99492						
5802	Fill	0	0	0	1.00	-624226	
	0 0						
5803	Mass ordinate for TOPSOIL = 147366						
5804							
5805	594+50.00 EARTH						
5806	Common Exc	4	4	4	1.00		189099
	189099						
5807	Subgrade Exc	0	0	0	1.00		
	0 0						
5808	Subsoil Exc	0	0	0	1.00		
	0 0						
5809	Fill	26	48	48	1.00	-624270	813369
	813369						
5810	TOPSOIL						
5811	Common Exc	0	0	0	1.00		

	47874	47874					
5812	Subgrade Exc	0	0	0	1.00		
	0	0					
5813	Subsoil Exc	23	43	43	1.00		
	99535	99535					
5814	Fill	0	0	0	1.00	-624270	
	0	0					
5815	Mass ordinate for TOPSOIL = 147409						
5816							
5817	595+00.00 EARTH						
5818	Common Exc	1	5	5	1.00		189104
	189104						
5819	Subgrade Exc	0	0	0	1.00		
	0	0					
5820	Subsoil Exc	0	0	0	1.00		
	0	0					
5821	Fill	28	50	50	1.00	-624315	813419
	813419						
5822	TOPSOIL						
5823	Common Exc	0	0	0	1.00		
	47874	47874					
5824	Subgrade Exc	0	0	0	1.00		
	0	0					
5825	Subsoil Exc	24	44	44	1.00		
	99579	99579					
5826	Fill	0	0	0	1.00	-624315	
	0	0					
5827	Mass ordinate for TOPSOIL = 147453						
5828							
5829	595+50.00 EARTH						
5830	Common Exc	0	1	1	1.00		189105
	189105						
5831	Subgrade Exc	0	0	0	1.00		
	0	0					
5832	Subsoil Exc	0	0	0	1.00		
	0	0					
5833	Fill	30	54	54	1.00	-624368	813473
	813473						
5834	TOPSOIL						
5835	Common Exc	0	0	0	1.00		
	47874	47874					
5836	Subgrade Exc	0	0	0	1.00		
	0	0					
5837	Subsoil Exc	26	46	46	1.00		
	99625	99625					
5838	Fill	0	0	0	1.00	-624368	
	0	0					
5839	Mass ordinate for TOPSOIL = 147499						
5840							
5841	596+00.00 EARTH						
5842	Common Exc	0	0	0	1.00		189105
	189105						
5843	Subgrade Exc	0	0	0	1.00		
	0	0					
5844	Subsoil Exc	0	0	0	1.00		
	0	0					
5845	Fill	41	66	66	1.00	-624434	813539
	813539						
5846	TOPSOIL						
5847	Common Exc	0	0	0	1.00		
	47874	47874					
5848	Subgrade Exc	0	0	0	1.00		
	0	0					
5849	Subsoil Exc	28	50	50	1.00		
	99675	99675					
5850	Fill	0	0	0	1.00	-624434	

5851	0	0	Mass ordinate for TOPSOIL = 147549				
5852							
5853	596+50.00	EARTH					
5854	Common Exc	0	0	0	1.00	189105	
	189105						
5855	Subgrade Exc	0	0	0	1.00		
	0	0					
5856	Subsoil Exc	0	0	0	1.00		
	0	0					
5857	Fill	37	72	72	1.00	-624506	
	813611					813611	
5858	TOPSOIL						
5859	Common Exc	0	0	0	1.00		
	47874	47874					
5860	Subgrade Exc	0	0	0	1.00		
	0	0					
5861	Subsoil Exc	30	54	54	1.00		
	99729	99729					
5862	Fill	0	0	0	1.00	-624506	
	0	0					
5863	Mass ordinate for TOPSOIL = 147603						
5864							
5865	597+00.00	EARTH					
5866	Common Exc	0	0	0	1.00	189105	
	189105						
5867	Subgrade Exc	0	0	0	1.00		
	0	0					
5868	Subsoil Exc	0	0	0	1.00		
	0	0					
5869	Fill	38	69	69	1.00	-624575	
	813680					813680	
5870	TOPSOIL						
5871	Common Exc	0	0	0	1.00		
	47874	47874					
5872	Subgrade Exc	0	0	0	1.00		
	0	0					
5873	Subsoil Exc	32	57	57	1.00		
	99786	99786					
5874	Fill	0	0	0	1.00	-624575	
	0	0					
5875	Mass ordinate for TOPSOIL = 147660						
5876							
5877	597+50.00	EARTH					
5878	Common Exc	0	0	0	1.00	189105	
	189105						
5879	Subgrade Exc	0	0	0	1.00		
	0	0					
5880	Subsoil Exc	0	0	0	1.00		
	0	0					
5881	Fill	36	69	69	1.00	-624644	
	813749					813749	
5882	TOPSOIL						
5883	Common Exc	0	0	0	1.00		
	47874	47874					
5884	Subgrade Exc	0	0	0	1.00		
	0	0					
5885	Subsoil Exc	34	61	61	1.00		
	99847	99847					
5886	Fill	0	0	0	1.00	-624644	
	0	0					
5887	Mass ordinate for TOPSOIL = 147721						
5888							
5889	598+00.00	EARTH					
5890	Common Exc	1	1	1	1.00	189106	
	189106						

5891		Subgrade Exc	0	0	0	1.00		
		0	0					
5892		Subsoil Exc	0	0	0	1.00		
		0	0					
5893		Fill	37	68	68	1.00	-624711	813817
		813817						
5894		TOPSOIL						
5895		Common Exc	0	0	0	1.00		
		47874	47874					
5896		Subgrade Exc	0	0	0	1.00		
		0	0					
5897		Subsoil Exc	36	65	65	1.00		
		99912	99912					
5898		Fill	0	0	0	1.00	-624711	
		0	0					
5899		Mass ordinate for TOPSOIL = 147786						
5900	FF	G R A N D S U M M A R Y						
5901		Material Name		Unadjusted	Adjusted	Mult		
5902				Volumes	Volumes	Factor		
5903				(cu. yd.)	(cu. yd.)			
5904		-----		-----	-----	-----		
5905		EARTH						
5906		Common Exc	189106	189106	1.00			
5907		Subgrade Exc	0	0	1.00			
5908		Subsoil Exc	0	0	1.00			
5909		Fill	813817	813817	1.00			
5910		TOPSOIL						
5911		Common Exc	47874	47874	1.00			
5912		Subgrade Exc	0	0	1.00			
5913		Subsoil Exc	99912	99912	1.00			
5914		Fill	0	0	1.00			
5915	FF	S P L I T S U M M A R Y						
	S							
5916			XS Quant	XS Quant	Add/Sub Quant	Add/Sub		
			Quant					
5917		Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted		
		Mult						
5918			Volume	Volume	Volume	Volume		
5919			Factor					
			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.		
			yd.)					
5920		-----	-----	-----	-----	-----		

5921		EARTH						
5922		Common Exc	189106	189106	0	0		
		1.00						
5923		Subgrade Exc	0	0	0	0		
		1.00						
5924		Subsoil Exc	0	0	0	0		
		1.00						
5925		Fill	813817	813817	0	0		
		1.00						
5926		TOPSOIL						
5927		Common Exc	47874	47874	0	0		
		1.00						
5928		Subgrade Exc	0	0	0	0		
		1.00						
5929		Subsoil Exc	99912	99912	0	0		
		1.00						
5930		Fill	0	0	0	0		
		1.00						
5931	FF	B A L A N C E	P O I N T	S U M M A R Y				
5932		Material Name	Cumulative	Incremental		Mult		
5933			Unadjusted	Adjusted	Unadjusted	Adjusted	Factor	
5934			Volumes	Volumes	Volumes	Volumes		
5935			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)		

5936								
5937	Station = 397+95.91							
5938	EARTH							
5939		Common	Exc	1081	1081	1081	1081	1.00
5940		Subgrade	Exc	0	0	0	0	1.00
5941		Subsoil	Exc	0	0	0	0	1.00
5942		Fill		1081	1081	1081	1081	1.00
5943	TOPSOIL							
5944		Common	Exc	1173	1173	1173	1173	1.00
5945		Subgrade	Exc	0	0	0	0	1.00
5946		Subsoil	Exc	770	770	770	770	1.00
5947		Fill		0	0	0	0	1.00
5948	Station = 411+35.82							
5949	EARTH							
5950		Common	Exc	15425	15425	14344	14344	1.00
5951		Subgrade	Exc	0	0	0	0	1.00
5952		Subsoil	Exc	0	0	0	0	1.00
5953		Fill		15425	15425	14344	14344	1.00
5954	TOPSOIL							
5955		Common	Exc	8507	8507	7334	7334	1.00
5956		Subgrade	Exc	0	0	0	0	1.00
5957		Subsoil	Exc	3769	3769	2999	2999	1.00
5958		Fill		0	0	0	0	1.00
5959								

```

1 Input File: ewkprj.inp
2 Output File: SR52_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.050000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-SR52.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 1-2,6-8,16,18,161
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 co = 0
32 1 30 30
33 1 31 31 Existing Unsuitable Material
34 1 32 32 soil type = Topsoil
35 1 33 33 roadway exc mult factor = 1.000000
36 1 34 34 subsoil exc mult factor = 1.000000
37 1 35 35 fill mult factor = 1.000000
38 1 36 36 type = line, line_string
39 1 37 37 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
40 1 38 38 co = 2
41 1 39 39
42 1 40 40 Excavation Limit
43 1 41 41 type = line
44 1 42 42 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
45 1 43 43 co = 0
46 1 44 44
47 1 45 45 Write Earthwork Shapes
48 1 46 46 plot param
49 1 47 47 lv = 347
50 1 48 48 lvname = DESIGN - EARTHWORK - Shapes
51 1 49 49 co = 2
52 1 50 50 wt = 0
53 1 51 51 lc = 0
54 1 52 52 Stratify Shape Color
55 1 53 53
56 1 54 54
57 1 55 55 Add Accumulated Adjusted Volume Column
58 1 56 56
59 1 57 57 Add Accumulated Unadjusted Volume Column
60 1 58 58
61 1 59 59 End Area Decimal Places = 0
62 1 60 60
63 1 61 61 Process Earthwork for Baseline = SR52
64 1 62 62 job number = 32n
65 1 63 63

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108	201+00.00	EARTH					
109		Common Exc	17	43	43	1.00	
		86	86				
110		Subgrade Exc	0	0	0	1.00	
		0	0				
111		Subsoil Exc	0	0	0	1.00	
		0	0				
112		Fill	3	10	10	1.00	50
		36	36				
113		TOPSOIL					
114		Common Exc	22	40	40	1.00	
		89	89				
115		Subgrade Exc	0	0	0	1.00	
		0	0				
116		Subsoil Exc	0	0	0	1.00	
		0	0				
117		Fill	0	0	0	1.00	50
		0	0				
118		Mass ordinate for TOPSOIL = 89					
119							
120	201+50.00	EARTH					
121		Common Exc	33	46	46	1.00	
		132	132				
122		Subgrade Exc	0	0	0	1.00	
		0	0				
123		Subsoil Exc	0	0	0	1.00	
		0	0				
124		Fill	2	5	5	1.00	91
		41	41				
125		TOPSOIL					
126		Common Exc	30	48	48	1.00	
		137	137				
127		Subgrade Exc	0	0	0	1.00	
		0	0				
128		Subsoil Exc	0	0	0	1.00	
		0	0				
129		Fill	0	0	0	1.00	91
		0	0				
130		Mass ordinate for TOPSOIL = 137					
131							
132	202+00.00	EARTH					
133		Common Exc	46	73	73	1.00	
		205	205				
134		Subgrade Exc	0	0	0	1.00	
		0	0				
135		Subsoil Exc	0	0	0	1.00	
		0	0				
136		Fill	3	5	5	1.00	159
		46	46				
137		TOPSOIL					
138		Common Exc	30	56	56	1.00	
		193	193				
139		Subgrade Exc	0	0	0	1.00	
		0	0				
140		Subsoil Exc	0	0	0	1.00	
		0	0				
141		Fill	0	0	0	1.00	159
		0	0				
142		Mass ordinate for TOPSOIL = 193					
143							
144	202+50.00	EARTH					
145		Common Exc	40	80	80	1.00	
		285	285				
146		Subgrade Exc	0	0	0	1.00	
		0	0				
147		Subsoil Exc	0	0	0	1.00	

148	0	0					
	Fill	4	6	6	1.00	233	
	52	52					
149	TOPSOIL						
150	Common Exc	28	54	54	1.00		
	247	247					
151	Subgrade Exc	0	0	0	1.00		
	0	0					
152	Subsoil Exc	0	0	0	1.00		
	0	0					
153	Fill	0	0	0	1.00	233	
	0	0					
154	Mass ordinate for TOPSOIL = 247						
155							
156	203+00.00 EARTH						
157	Common Exc	42	76	76	1.00		
	361	361					
158	Subgrade Exc	0	0	0	1.00		
	0	0					
159	Subsoil Exc	0	0	0	1.00		
	0	0					
160	Fill	4	7	7	1.00	302	
	59	59					
161	TOPSOIL						
162	Common Exc	27	51	51	1.00		
	298	298					
163	Subgrade Exc	0	0	0	1.00		
	0	0					
164	Subsoil Exc	0	0	0	1.00		
	0	0					
165	Fill	0	0	0	1.00	302	
	0	0					
166	Mass ordinate for TOPSOIL = 298						
167							
168	203+50.00 EARTH						
169	Common Exc	45	81	81	1.00		
	442	442					
170	Subgrade Exc	0	0	0	1.00		
	0	0					
171	Subsoil Exc	0	0	0	1.00		
	0	0					
172	Fill	4	7	7	1.00	376	
	66	66					
173	TOPSOIL						
174	Common Exc	28	51	51	1.00		
	349	349					
175	Subgrade Exc	0	0	0	1.00		
	0	0					
176	Subsoil Exc	0	0	0	1.00		
	0	0					
177	Fill	0	0	0	1.00	376	
	0	0					
178	Mass ordinate for TOPSOIL = 349						
179							
180	204+00.00 EARTH						
181	Common Exc	162	192	192	1.00		
	634	634					
182	Subgrade Exc	0	0	0	1.00		
	0	0					
183	Subsoil Exc	0	0	0	1.00		
	0	0					
184	Fill	24	26	26	1.00	542	
	92	92					
185	TOPSOIL						
186	Common Exc	56	78	78	1.00		
	427	427					

187	Subgrade Exc	0	0	0	1.00	
	0	0				
188	Subsoil Exc	0	0	0	1.00	
	0	0				
189	Fill	0	0	0	1.00	542
	0	0				
190	Mass ordinate for TOPSOIL = 427					
191						
192	204+50.00 EARTH					
193	Common Exc	88	231	231	1.00	
	865	865				
194	Subgrade Exc	0	0	0	1.00	
	0	0				
195	Subsoil Exc	0	0	0	1.00	
	0	0				
196	Fill	37	56	56	1.00	717
	148	148				
197	TOPSOIL					
198	Common Exc	40	89	89	1.00	
	516	516				
199	Subgrade Exc	0	0	0	1.00	
	0	0				
200	Subsoil Exc	15	14	14	1.00	
	14	14				
201	Fill	0	0	0	1.00	717
	0	0				
202	Mass ordinate for TOPSOIL = 530					
203						
204	205+00.00 EARTH					
205	Common Exc	71	147	147	1.00	
	1012	1012				
206	Subgrade Exc	0	0	0	1.00	
	0	0				
207	Subsoil Exc	0	0	0	1.00	
	0	0				
208	Fill	33	65	65	1.00	799
	213	213				
209	TOPSOIL					
210	Common Exc	40	74	74	1.00	
	590	590				
211	Subgrade Exc	0	0	0	1.00	
	0	0				
212	Subsoil Exc	14	27	27	1.00	
	41	41				
213	Fill	0	0	0	1.00	799
	0	0				
214	Mass ordinate for TOPSOIL = 631					
215						
216	205+50.00 EARTH					
217	Common Exc	63	124	124	1.00	
	1136	1136				
218	Subgrade Exc	0	0	0	1.00	
	0	0				
219	Subsoil Exc	0	0	0	1.00	
	0	0				
220	Fill	32	60	60	1.00	863
	273	273				
221	TOPSOIL					
222	Common Exc	38	72	72	1.00	
	662	662				
223	Subgrade Exc	0	0	0	1.00	
	0	0				
224	Subsoil Exc	14	26	26	1.00	
	67	67				
225	Fill	0	0	0	1.00	863
	0	0				

226	Mass ordinate for TOPSOIL = 729					
227						
228	206+00.00 EARTH					
229	Common Exc	56	110	110	1.00	
	1246	1246				
230	Subgrade Exc	0	0	0	1.00	
	0	0				
231	Subsoil Exc	0	0	0	1.00	
	0	0				
232	Fill	32	59	59	1.00	914
	332	332				
233	TOPSOIL					
234	Common Exc	37	69	69	1.00	
	731	731				
235	Subgrade Exc	0	0	0	1.00	
	0	0				
236	Subsoil Exc	14	26	26	1.00	
	93	93				
237	Fill	0	0	0	1.00	914
	0	0				
238	Mass ordinate for TOPSOIL = 824					
239						
240	206+50.00 EARTH					
241	Common Exc	70	117	117	1.00	
	1363	1363				
242	Subgrade Exc	0	0	0	1.00	
	0	0				
243	Subsoil Exc	0	0	0	1.00	
	0	0				
244	Fill	31	58	58	1.00	973
	390	390				
245	TOPSOIL					
246	Common Exc	39	70	70	1.00	
	801	801				
247	Subgrade Exc	0	0	0	1.00	
	0	0				
248	Subsoil Exc	12	24	24	1.00	
	117	117				
249	Fill	0	0	0	1.00	973
	0	0				
250	Mass ordinate for TOPSOIL = 918					
251						
252	207+00.00 EARTH					
253	Common Exc	49	110	110	1.00	
	1473	1473				
254	Subgrade Exc	0	0	0	1.00	
	0	0				
255	Subsoil Exc	0	0	0	1.00	
	0	0				
256	Fill	30	56	56	1.00	1027
	446	446				
257	TOPSOIL					
258	Common Exc	34	68	68	1.00	
	869	869				
259	Subgrade Exc	0	0	0	1.00	
	0	0				
260	Subsoil Exc	14	24	24	1.00	
	141	141				
261	Fill	0	0	0	1.00	1027
	0	0				
262	Mass ordinate for TOPSOIL = 1010					
263						
264	207+50.00 EARTH					
265	Common Exc	50	92	92	1.00	
	1565	1565				
266	Subgrade Exc	0	0	0	1.00	

267	0	0					
	Subsoil	Exc	0	0	0	1.00	
268	0	0					
	Fill		31	56	56	1.00	1063
	502		502				
269	TOPSOIL						
270	Common	Exc	35	64	64	1.00	
	933		933				
271	Subgrade	Exc	0	0	0	1.00	
	0	0					
272	Subsoil	Exc	14	26	26	1.00	
	167		167				
273	Fill		0	0	0	1.00	1063
	0	0					
274	Mass ordinate for TOPSOIL = 1100						
275							
276	208+00.00	EARTH					
277	Common	Exc	49	92	92	1.00	
	1657		1657				
278	Subgrade	Exc	0	0	0	1.00	
	0	0					
279	Subsoil	Exc	0	0	0	1.00	
	0	0					
280	Fill		33	59	59	1.00	1096
	561		561				
281	TOPSOIL						
282	Common	Exc	36	66	66	1.00	
	999		999				
283	Subgrade	Exc	0	0	0	1.00	
	0	0					
284	Subsoil	Exc	13	25	25	1.00	
	192		192				
285	Fill		0	0	0	1.00	1096
	0	0					
286	Mass ordinate for TOPSOIL = 1191						
287							
288	208+50.00	EARTH					
289	Common	Exc	36	79	79	1.00	
	1736		1736				
290	Subgrade	Exc	0	0	0	1.00	
	0	0					
291	Subsoil	Exc	0	0	0	1.00	
	0	0					
292	Fill		27	56	56	1.00	1119
	617		617				
293	TOPSOIL						
294	Common	Exc	37	68	68	1.00	
	1067		1067				
295	Subgrade	Exc	0	0	0	1.00	
	0	0					
296	Subsoil	Exc	12	23	23	1.00	
	215		215				
297	Fill		0	0	0	1.00	1119
	0	0					
298	Mass ordinate for TOPSOIL = 1282						
299							
300	209+00.00	EARTH					
301	Common	Exc	23	55	55	1.00	
	1791		1791				
302	Subgrade	Exc	0	0	0	1.00	
	0	0					
303	Subsoil	Exc	0	0	0	1.00	
	0	0					
304	Fill		31	54	54	1.00	1120
	671		671				
305	TOPSOIL						

306		Common Exc	34	66	66	1.00	
		1133	1133				
307		Subgrade Exc	0	0	0	1.00	
		0	0				
308		Subsoil Exc	15	25	25	1.00	
		240	240				
309		Fill	0	0	0	1.00	1120
		0	0				
310		Mass ordinate for TOPSOIL = 1373					
311							
312	209+50.00	EARTH					
313		Common Exc	24	44	44	1.00	
		1835	1835				
314		Subgrade Exc	0	0	0	1.00	
		0	0				
315		Subsoil Exc	0	0	0	1.00	
		0	0				
316		Fill	25	52	52	1.00	1112
		723	723				
317		TOPSOIL					
318		Common Exc	30	59	59	1.00	
		1192	1192				
319		Subgrade Exc	0	0	0	1.00	
		0	0				
320		Subsoil Exc	13	26	26	1.00	
		266	266				
321		Fill	0	0	0	1.00	1112
		0	0				
322		Mass ordinate for TOPSOIL = 1458					
323							
324	210+00.00	EARTH					
325		Common Exc	24	44	44	1.00	
		1879	1879				
326		Subgrade Exc	0	0	0	1.00	
		0	0				
327		Subsoil Exc	0	0	0	1.00	
		0	0				
328		Fill	24	45	45	1.00	1111
		768	768				
329		TOPSOIL					
330		Common Exc	27	53	53	1.00	
		1245	1245				
331		Subgrade Exc	0	0	0	1.00	
		0	0				
332		Subsoil Exc	11	22	22	1.00	
		288	288				
333		Fill	0	0	0	1.00	1111
		0	0				
334		Mass ordinate for TOPSOIL = 1533					
335							
336	210+50.00	EARTH					
337		Common Exc	55	73	73	1.00	
		1952	1952				
338		Subgrade Exc	0	0	0	1.00	
		0	0				
339		Subsoil Exc	0	0	0	1.00	
		0	0				
340		Fill	1	23	23	1.00	1161
		791	791				
341		TOPSOIL					
342		Common Exc	38	60	60	1.00	
		1305	1305				
343		Subgrade Exc	0	0	0	1.00	
		0	0				
344		Subsoil Exc	1	11	11	1.00	
		299	299				

345		Fill	0	0	0	1.00	1161
		0	0				
346		Mass ordinate for TOPSOIL = 1604					
347							
348	211+00.00	EARTH					
349		Common Exc	15	65	65	1.00	
		2017	2017				
350		Subgrade Exc	0	0	0	1.00	
		0	0				
351		Subsoil Exc	0	0	0	1.00	
		0	0				
352		Fill	33	31	31	1.00	1195
		822	822				
353		TOPSOIL					
354		Common Exc	24	57	57	1.00	
		1362	1362				
355		Subgrade Exc	0	0	0	1.00	
		0	0				
356		Subsoil Exc	17	17	17	1.00	
		316	316				
357		Fill	0	0	0	1.00	1195
		0	0				
358		Mass ordinate for TOPSOIL = 1678					
359							
360	211+50.00	EARTH					
361		Common Exc	16	29	29	1.00	
		2046	2046				
362		Subgrade Exc	0	0	0	1.00	
		0	0				
363		Subsoil Exc	0	0	0	1.00	
		0	0				
364		Fill	36	64	64	1.00	1160
		886	886				
365		TOPSOIL					
366		Common Exc	26	46	46	1.00	
		1408	1408				
367		Subgrade Exc	0	0	0	1.00	
		0	0				
368		Subsoil Exc	18	32	32	1.00	
		348	348				
369		Fill	0	0	0	1.00	1160
		0	0				
370		Mass ordinate for TOPSOIL = 1756					
371							
372	212+00.00	EARTH					
373		Common Exc	14	28	28	1.00	
		2074	2074				
374		Subgrade Exc	0	0	0	1.00	
		0	0				
375		Subsoil Exc	0	0	0	1.00	
		0	0				
376		Fill	36	67	67	1.00	1121
		953	953				
377		TOPSOIL					
378		Common Exc	23	45	45	1.00	
		1453	1453				
379		Subgrade Exc	0	0	0	1.00	
		0	0				
380		Subsoil Exc	17	32	32	1.00	
		380	380				
381		Fill	0	0	0	1.00	1121
		0	0				
382		Mass ordinate for TOPSOIL = 1833					
383							
384	212+50.00	EARTH					
385		Common Exc	11	23	23	1.00	

	2097	2097					
386	Subgrade Exc	0	0	0	1.00		
	0	0					
387	Subsoil Exc	0	0	0	1.00		
	0	0					
388	Fill	35	66	66	1.00	1078	
	1019	1019					
389	TOPSOIL						
390	Common Exc	23	43	43	1.00		
	1496	1496					
391	Subgrade Exc	0	0	0	1.00		
	0	0					
392	Subsoil Exc	16	31	31	1.00		
	411	411					
393	Fill	0	0	0	1.00	1078	
	0	0					
394	Mass ordinate for TOPSOIL = 1907						
395							
396	213+00.00 EARTH						
397	Common Exc	10	19	19	1.00		
	2116	2116					
398	Subgrade Exc	0	0	0	1.00		
	0	0					
399	Subsoil Exc	0	0	0	1.00		
	0	0					
400	Fill	38	68	68	1.00	1029	
	1087	1087					
401	TOPSOIL						
402	Common Exc	22	42	42	1.00		
	1538	1538					
403	Subgrade Exc	0	0	0	1.00		
	0	0					
404	Subsoil Exc	17	31	31	1.00		
	442	442					
405	Fill	0	0	0	1.00	1029	
	0	0					
406	Mass ordinate for TOPSOIL = 1980						
407							
408	213+50.00 EARTH						
409	Common Exc	13	21	21	1.00		
	2137	2137					
410	Subgrade Exc	0	0	0	1.00		
	0	0					
411	Subsoil Exc	0	0	0	1.00		
	0	0					
412	Fill	33	66	66	1.00	984	
	1153	1153					
413	TOPSOIL						
414	Common Exc	24	43	43	1.00		
	1581	1581					
415	Subgrade Exc	0	0	0	1.00		
	0	0					
416	Subsoil Exc	15	30	30	1.00		
	472	472					
417	Fill	0	0	0	1.00	984	
	0	0					
418	Mass ordinate for TOPSOIL = 2053						
419							
420	214+00.00 EARTH						
421	Common Exc	192	190	190	1.00		
	2327	2327					
422	Subgrade Exc	0	0	0	1.00		
	0	0					
423	Subsoil Exc	0	0	0	1.00		
	0	0					
424	Fill	23	52	52	1.00	1122	

		1205	1205				
425		TOPSOIL					
426		Common Exc	56	74	74	1.00	
		1655	1655				
427		Subgrade Exc	0	0	0	1.00	
		0	0				
428		Subsoil Exc	15	28	28	1.00	
		500	500				
429		Fill	0	0	0	1.00	1122
		0	0				
430		Mass ordinate for TOPSOIL = 2155					
431							
432	214+50.00	EARTH					
433		Common Exc	19	195	195	1.00	
		2522	2522				
434		Subgrade Exc	0	0	0	1.00	
		0	0				
435		Subsoil Exc	0	0	0	1.00	
		0	0				
436		Fill	34	53	53	1.00	1264
		1258	1258				
437		TOPSOIL					
438		Common Exc	42	91	91	1.00	
		1746	1746				
439		Subgrade Exc	0	0	0	1.00	
		0	0				
440		Subsoil Exc	16	29	29	1.00	
		529	529				
441		Fill	0	0	0	1.00	1264
		0	0				
442		Mass ordinate for TOPSOIL = 2275					
443							
444	215+00.00	EARTH					
445		Common Exc	15	31	31	1.00	
		2553	2553				
446		Subgrade Exc	0	0	0	1.00	
		0	0				
447		Subsoil Exc	0	0	0	1.00	
		0	0				
448		Fill	44	72	72	1.00	1223
		1330	1330				
449		TOPSOIL					
450		Common Exc	27	64	64	1.00	
		1810	1810				
451		Subgrade Exc	0	0	0	1.00	
		0	0				
452		Subsoil Exc	15	29	29	1.00	
		558	558				
453		Fill	0	0	0	1.00	1223
		0	0				
454		Mass ordinate for TOPSOIL = 2368					
455							
456	215+50.00	EARTH					
457		Common Exc	9	22	22	1.00	
		2575	2575				
458		Subgrade Exc	0	0	0	1.00	
		0	0				
459		Subsoil Exc	0	0	0	1.00	
		0	0				
460		Fill	135	166	166	1.00	1079
		1496	1496				
461		TOPSOIL					
462		Common Exc	17	41	41	1.00	
		1851	1851				
463		Subgrade Exc	0	0	0	1.00	
		0	0				

464		Subsoil Exc	31	43	43	1.00	
		601 601					
465		Fill	0	0	0	1.00	1079
		0 0					
466		Mass ordinate for TOPSOIL = 2452					
467							
468	216+00.00	EARTH					
469		Common Exc	8	16	16	1.00	
		2591 2591					
470		Subgrade Exc	0	0	0	1.00	
		0 0					
471		Subsoil Exc	0	0	0	1.00	
		0 0					
472		Fill	338	438	438	1.00	657
		1934 1934					
473		TOPSOIL					
474		Common Exc	13	28	28	1.00	
		1879 1879					
475		Subgrade Exc	0	0	0	1.00	
		0 0					
476		Subsoil Exc	42	68	68	1.00	
		669 669					
477		Fill	0	0	0	1.00	657
		0 0					
478		Mass ordinate for TOPSOIL = 2548					
479							
480	216+50.00	EARTH					
481		Common Exc	25	31	31	1.00	
		2622 2622					
482		Subgrade Exc	0	0	0	1.00	
		0 0					
483		Subsoil Exc	0	0	0	1.00	
		0 0					
484		Fill	240	535	535	1.00	153
		2469 2469					
485		TOPSOIL					
486		Common Exc	0	12	12	1.00	
		1891 1891					
487		Subgrade Exc	0	0	0	1.00	
		0 0					
488		Subsoil Exc	0	39	39	1.00	
		708 708					
489		Fill	0	0	0	1.00	153
		0 0					
490		Mass ordinate for TOPSOIL = 2599					
491							
492	216+84.12	EARTH					
493		Common Exc	15	25	25	1.00	
		2647 2647					
494		Subgrade Exc	0	0	0	1.00	
		0 0					
495		Subsoil Exc	0	0	0	1.00	
		0 0					
496		Fill	171	260	260	1.00	-82
		2729 2729					
497		TOPSOIL					
498		Common Exc	20	13	13	1.00	
		1904 1904					
499		Subgrade Exc	0	0	0	1.00	
		0 0					
500		Subsoil Exc	37	23	23	1.00	
		731 731					
501		Fill	0	0	0	1.00	-82
		0 0					
502		Mass ordinate for TOPSOIL = 2635					
503							

504	217+00.00	EARTH					
505		Common Exc	38	16	16	1.00	
		2663	2663				
506		Subgrade Exc	0	0	0	1.00	
		0	0				
507		Subsoil Exc	0	0	0	1.00	
		0	0				
508		Fill	105	81	81	1.00	-147
		2810	2810				
509		TOPSOIL					
510		Common Exc	0	6	6	1.00	
		1910	1910				
511		Subgrade Exc	0	0	0	1.00	
		0	0				
512		Subsoil Exc	0	11	11	1.00	
		742	742				
513		Fill	0	0	0	1.00	-147
		0	0				
514		Mass ordinate for TOPSOIL = 2652					
515							
516	217+50.00	EARTH					
517		Common Exc	41	73	73	1.00	
		2736	2736				
518		Subgrade Exc	0	0	0	1.00	
		0	0				
519		Subsoil Exc	0	0	0	1.00	
		0	0				
520		Fill	83	174	174	1.00	-248
		2984	2984				
521							
522	218+00.00	EARTH					
523		Common Exc	14	51	51	1.00	
		2787	2787				
524		Subgrade Exc	0	0	0	1.00	
		0	0				
525		Subsoil Exc	0	0	0	1.00	
		0	0				
526		Fill	115	183	183	1.00	-380
		3167	3167				
527		TOPSOIL					
528		Common Exc	20	19	19	1.00	
		1929	1929				
529		Subgrade Exc	0	0	0	1.00	
		0	0				
530		Subsoil Exc	30	28	28	1.00	
		770	770				
531		Fill	0	0	0	1.00	-380
		0	0				
532		Mass ordinate for TOPSOIL = 2699					
533							
534	218+50.00	EARTH					
535		Common Exc	9	21	21	1.00	
		2808	2808				
536		Subgrade Exc	0	0	0	1.00	
		0	0				
537		Subsoil Exc	0	0	0	1.00	
		0	0				
538		Fill	95	194	194	1.00	-553
		3361	3361				
539		TOPSOIL					
540		Common Exc	22	39	39	1.00	
		1968	1968				
541		Subgrade Exc	0	0	0	1.00	
		0	0				
542		Subsoil Exc	28	54	54	1.00	
		824	824				

543		Fill	0	0	0	1.00	-553
		0	0				
544		Mass ordinate for TOPSOIL = 2792					
545							
546	219+00.00	EARTH					
547		Common Exc	7	15	15	1.00	
		2823	2823				
548		Subgrade Exc	0	0	0	1.00	
		0	0				
549		Subsoil Exc	0	0	0	1.00	
		0	0				
550		Fill	83	165	165	1.00	-703
		3526	3526				
551		TOPSOIL					
552		Common Exc	22	41	41	1.00	
		2009	2009				
553		Subgrade Exc	0	0	0	1.00	
		0	0				
554		Subsoil Exc	26	50	50	1.00	
		874	874				
555		Fill	0	0	0	1.00	-703
		0	0				
556		Mass ordinate for TOPSOIL = 2883					
557							
558	219+50.00	EARTH					
559		Common Exc	6	12	12	1.00	
		2835	2835				
560		Subgrade Exc	0	0	0	1.00	
		0	0				
561		Subsoil Exc	0	0	0	1.00	
		0	0				
562		Fill	106	175	175	1.00	-866
		3701	3701				
563		TOPSOIL					
564		Common Exc	18	37	37	1.00	
		2046	2046				
565		Subgrade Exc	0	0	0	1.00	
		0	0				
566		Subsoil Exc	34	56	56	1.00	
		930	930				
567		Fill	0	0	0	1.00	-866
		0	0				
568		Mass ordinate for TOPSOIL = 2976					
569							
570	220+00.00	EARTH					
571		Common Exc	8	13	13	1.00	
		2848	2848				
572		Subgrade Exc	0	0	0	1.00	
		0	0				
573		Subsoil Exc	0	0	0	1.00	
		0	0				
574		Fill	117	206	206	1.00	-1059
		3907	3907				
575		TOPSOIL					
576		Common Exc	15	31	31	1.00	
		2077	2077				
577		Subgrade Exc	0	0	0	1.00	
		0	0				
578		Subsoil Exc	36	65	65	1.00	
		995	995				
579		Fill	0	0	0	1.00	-1059
		0	0				
580		Mass ordinate for TOPSOIL = 3072					
581							
582	220+50.00	EARTH					
583		Common Exc	10	17	17	1.00	

584	2865	2865					
	Subgrade	Exc	0	0	0	1.00	
585	0	0					
	Subsoil	Exc	0	0	0	1.00	
586	0	0					
	Fill		108	208	208	1.00	-1250
587	4115	4115					
588	TOPSOIL						
	Common	Exc	16	29	29	1.00	
589	2106	2106					
	Subgrade	Exc	0	0	0	1.00	
590	0	0					
	Subsoil	Exc	34	65	65	1.00	
591	1060	1060					
	Fill		0	0	0	1.00	-1250
592	0	0					
593	Mass ordinate for TOPSOIL = 3166						
594	221+00.00 EARTH						
595	Common	Exc	12	20	20	1.00	
596	2885	2885					
	Subgrade	Exc	0	0	0	1.00	
597	0	0					
	Subsoil	Exc	0	0	0	1.00	
598	0	0					
	Fill		103	195	195	1.00	-1425
599	4310	4310					
600	TOPSOIL						
	Common	Exc	17	31	31	1.00	
601	2137	2137					
	Subgrade	Exc	0	0	0	1.00	
602	0	0					
	Subsoil	Exc	31	60	60	1.00	
603	1120	1120					
	Fill		0	0	0	1.00	-1425
604	0	0					
605	Mass ordinate for TOPSOIL = 3257						
606	221+50.00 EARTH						
607	Common	Exc	16	26	26	1.00	
608	2911	2911					
	Subgrade	Exc	0	0	0	1.00	
609	0	0					
	Subsoil	Exc	0	0	0	1.00	
610	0	0					
	Fill		88	177	177	1.00	-1576
611	4487	4487					
612	TOPSOIL						
	Common	Exc	22	36	36	1.00	
613	2173	2173					
	Subgrade	Exc	0	0	0	1.00	
614	0	0					
	Subsoil	Exc	25	52	52	1.00	
615	1172	1172					
	Fill		0	0	0	1.00	-1576
616	0	0					
617	Mass ordinate for TOPSOIL = 3345						
618	222+00.00 EARTH						
619	Common	Exc	19	32	32	1.00	
620	2943	2943					
	Subgrade	Exc	0	0	0	1.00	
621	0	0					
	Subsoil	Exc	0	0	0	1.00	
622	0	0					
	Fill		80	156	156	1.00	-1700

		4643	4643				
623	TOPSOIL						
624	Common Exc	25	44	44	1.00		
	2217	2217					
625	Subgrade Exc	0	0	0	1.00		
	0	0					
626	Subsoil Exc	21	43	43	1.00		
	1215	1215					
627	Fill	0	0	0	1.00	-1700	
	0	0					
628	Mass ordinate for TOPSOIL = 3432						
629							
630	222+50.00 EARTH						
631	Common Exc	21	37	37	1.00		
	2980	2980					
632	Subgrade Exc	0	0	0	1.00		
	0	0					
633	Subsoil Exc	0	0	0	1.00		
	0	0					
634	Fill	89	156	156	1.00	-1819	
	4799	4799					
635	TOPSOIL						
636	Common Exc	24	45	45	1.00		
	2262	2262					
637	Subgrade Exc	0	0	0	1.00		
	0	0					
638	Subsoil Exc	23	41	41	1.00		
	1256	1256					
639	Fill	0	0	0	1.00	-1819	
	0	0					
640	Mass ordinate for TOPSOIL = 3518						
641							
642	223+00.00 EARTH						
643	Common Exc	22	40	40	1.00		
	3020	3020					
644	Subgrade Exc	0	0	0	1.00		
	0	0					
645	Subsoil Exc	0	0	0	1.00		
	0	0					
646	Fill	101	176	176	1.00	-1955	
	4975	4975					
647	TOPSOIL						
648	Common Exc	21	42	42	1.00		
	2304	2304					
649	Subgrade Exc	0	0	0	1.00		
	0	0					
650	Subsoil Exc	27	46	46	1.00		
	1302	1302					
651	Fill	0	0	0	1.00	-1955	
	0	0					
652	Mass ordinate for TOPSOIL = 3606						
653							
654	223+50.00 EARTH						
655	Common Exc	19	38	38	1.00		
	3058	3058					
656	Subgrade Exc	0	0	0	1.00		
	0	0					
657	Subsoil Exc	0	0	0	1.00		
	0	0					
658	Fill	191	270	270	1.00	-2187	
	5245	5245					
659	TOPSOIL						
660	Common Exc	20	38	38	1.00		
	2342	2342					
661	Subgrade Exc	0	0	0	1.00		
	0	0					

662		Subsoil Exc	41	63	63	1.00	
		1365	1365				
663		Fill	0	0	0	1.00	-2187
		0	0				
664		Mass ordinate for TOPSOIL = 3707					
665							
666	224+00.00	EARTH					
667		Common Exc	15	31	31	1.00	
		3089	3089				
668		Subgrade Exc	0	0	0	1.00	
		0	0				
669		Subsoil Exc	0	0	0	1.00	
		0	0				
670		Fill	98	268	268	1.00	-2424
		5513	5513				
671		TOPSOIL					
672		Common Exc	20	37	37	1.00	
		2379	2379				
673		Subgrade Exc	0	0	0	1.00	
		0	0				
674		Subsoil Exc	27	63	63	1.00	
		1428	1428				
675		Fill	0	0	0	1.00	-2424
		0	0				
676		Mass ordinate for TOPSOIL = 3807					
677							
678	224+50.00	EARTH					
679		Common Exc	15	28	28	1.00	
		3117	3117				
680		Subgrade Exc	0	0	0	1.00	
		0	0				
681		Subsoil Exc	0	0	0	1.00	
		0	0				
682		Fill	103	186	186	1.00	-2582
		5699	5699				
683		TOPSOIL					
684		Common Exc	19	36	36	1.00	
		2415	2415				
685		Subgrade Exc	0	0	0	1.00	
		0	0				
686		Subsoil Exc	28	51	51	1.00	
		1479	1479				
687		Fill	0	0	0	1.00	-2582
		0	0				
688		Mass ordinate for TOPSOIL = 3894					
689							
690	225+00.00	EARTH					
691		Common Exc	16	29	29	1.00	
		3146	3146				
692		Subgrade Exc	0	0	0	1.00	
		0	0				
693		Subsoil Exc	0	0	0	1.00	
		0	0				
694		Fill	104	192	192	1.00	-2745
		5891	5891				
695		TOPSOIL					
696		Common Exc	21	37	37	1.00	
		2452	2452				
697		Subgrade Exc	0	0	0	1.00	
		0	0				
698		Subsoil Exc	28	52	52	1.00	
		1531	1531				
699		Fill	0	0	0	1.00	-2745
		0	0				
700		Mass ordinate for TOPSOIL = 3983					
701							

702	225+50.00	EARTH					
703		Common Exc	15	29	29	1.00	
		3175	3175				
704		Subgrade Exc	0	0	0	1.00	
		0	0				
705		Subsoil Exc	0	0	0	1.00	
		0	0				
706		Fill	114	202	202	1.00	-2918
		6093	6093				
707		TOPSOIL					
708		Common Exc	20	38	38	1.00	
		2490	2490				
709		Subgrade Exc	0	0	0	1.00	
		0	0				
710		Subsoil Exc	31	55	55	1.00	
		1586	1586				
711		Fill	0	0	0	1.00	-2918
		0	0				
712		Mass ordinate for TOPSOIL = 4076					
713							
714	226+00.00	EARTH					
715		Common Exc	14	27	27	1.00	
		3202	3202				
716		Subgrade Exc	0	0	0	1.00	
		0	0				
717		Subsoil Exc	0	0	0	1.00	
		0	0				
718		Fill	109	206	206	1.00	-3097
		6299	6299				
719		TOPSOIL					
720		Common Exc	21	38	38	1.00	
		2528	2528				
721		Subgrade Exc	0	0	0	1.00	
		0	0				
722		Subsoil Exc	28	55	55	1.00	
		1641	1641				
723		Fill	0	0	0	1.00	-3097
		0	0				
724		Mass ordinate for TOPSOIL = 4169					
725							
726	226+50.00	EARTH					
727		Common Exc	15	27	27	1.00	
		3229	3229				
728		Subgrade Exc	0	0	0	1.00	
		0	0				
729		Subsoil Exc	0	0	0	1.00	
		0	0				
730		Fill	102	195	195	1.00	-3265
		6494	6494				
731		TOPSOIL					
732		Common Exc	21	39	39	1.00	
		2567	2567				
733		Subgrade Exc	0	0	0	1.00	
		0	0				
734		Subsoil Exc	27	51	51	1.00	
		1692	1692				
735		Fill	0	0	0	1.00	-3265
		0	0				
736		Mass ordinate for TOPSOIL = 4259					
737							
738	227+00.00	EARTH					
739		Common Exc	15	28	28	1.00	
		3257	3257				
740		Subgrade Exc	0	0	0	1.00	
		0	0				
741		Subsoil Exc	0	0	0	1.00	

742	0	0	Fill	102	189	189	1.00	-3426
			6683	6683				
743	TOPSOIL							
744	Common Exc	22		40	40	1.00		
	2607	2607						
745	Subgrade Exc	0		0	0	1.00		
	0	0						
746	Subsoil Exc	27		50	50	1.00		
	1742	1742						
747	Fill	0		0	0	1.00		-3426
	0	0						
748	Mass ordinate for TOPSOIL = 4349							
749								
750	227+50.00 EARTH							
751	Common Exc	16		29	29	1.00		
	3286	3286						
752	Subgrade Exc	0		0	0	1.00		
	0	0						
753	Subsoil Exc	0		0	0	1.00		
	0	0						
754	Fill	110		196	196	1.00		-3593
	6879	6879						
755	TOPSOIL							
756	Common Exc	20		39	39	1.00		
	2646	2646						
757	Subgrade Exc	0		0	0	1.00		
	0	0						
758	Subsoil Exc	29		52	52	1.00		
	1794	1794						
759	Fill	0		0	0	1.00		-3593
	0	0						
760	Mass ordinate for TOPSOIL = 4440							
761								
762	228+00.00 EARTH							
763	Common Exc	15		29	29	1.00		
	3315	3315						
764	Subgrade Exc	0		0	0	1.00		
	0	0						
765	Subsoil Exc	0		0	0	1.00		
	0	0						
766	Fill	121		214	214	1.00		-3778
	7093	7093						
767	TOPSOIL							
768	Common Exc	18		35	35	1.00		
	2681	2681						
769	Subgrade Exc	0		0	0	1.00		
	0	0						
770	Subsoil Exc	31		56	56	1.00		
	1850	1850						
771	Fill	0		0	0	1.00		-3778
	0	0						
772	Mass ordinate for TOPSOIL = 4531							
773								
774	228+50.00 EARTH							
775	Common Exc	14		27	27	1.00		
	3342	3342						
776	Subgrade Exc	0		0	0	1.00		
	0	0						
777	Subsoil Exc	0		0	0	1.00		
	0	0						
778	Fill	120		223	223	1.00		-3974
	7316	7316						
779	TOPSOIL							
780	Common Exc	19		34	34	1.00		
	2715	2715						

781		Subgrade Exc	0	0	0	1.00	
		0	0				
782		Subsoil Exc	30	56	56	1.00	
		1906	1906				
783		Fill	0	0	0	1.00	-3974
		0	0				
784		Mass ordinate for TOPSOIL = 4621					
785							
786	229+00.00	EARTH					
787		Common Exc	13	25	25	1.00	
		3367	3367				
788		Subgrade Exc	0	0	0	1.00	
		0	0				
789		Subsoil Exc	0	0	0	1.00	
		0	0				
790		Fill	121	223	223	1.00	-4172
		7539	7539				
791		TOPSOIL					
792		Common Exc	18	34	34	1.00	
		2749	2749				
793		Subgrade Exc	0	0	0	1.00	
		0	0				
794		Subsoil Exc	31	56	56	1.00	
		1962	1962				
795		Fill	0	0	0	1.00	-4172
		0	0				
796		Mass ordinate for TOPSOIL = 4711					
797							
798	229+50.00	EARTH					
799		Common Exc	12	23	23	1.00	
		3390	3390				
800		Subgrade Exc	0	0	0	1.00	
		0	0				
801		Subsoil Exc	0	0	0	1.00	
		0	0				
802		Fill	123	226	226	1.00	-4375
		7765	7765				
803		TOPSOIL					
804		Common Exc	18	33	33	1.00	
		2782	2782				
805		Subgrade Exc	0	0	0	1.00	
		0	0				
806		Subsoil Exc	30	56	56	1.00	
		2018	2018				
807		Fill	0	0	0	1.00	-4375
		0	0				
808		Mass ordinate for TOPSOIL = 4800					
809							
810	230+00.00	EARTH					
811		Common Exc	11	21	21	1.00	
		3411	3411				
812		Subgrade Exc	0	0	0	1.00	
		0	0				
813		Subsoil Exc	0	0	0	1.00	
		0	0				
814		Fill	133	237	237	1.00	-4591
		8002	8002				
815		TOPSOIL					
816		Common Exc	15	31	31	1.00	
		2813	2813				
817		Subgrade Exc	0	0	0	1.00	
		0	0				
818		Subsoil Exc	31	56	56	1.00	
		2074	2074				
819		Fill	0	0	0	1.00	-4591
		0	0				

820	Mass ordinate for TOPSOIL = 4887						
821							
822	230+50.00 EARTH						
823	Common Exc	9	19	19	1.00		
	3430	3430					
824	Subgrade Exc	0	0	0	1.00		
	0	0					
825	Subsoil Exc	0	0	0	1.00		
	0	0					
826	Fill	123	237	237	1.00	-4809	
	8239	8239					
827	TOPSOIL						
828	Common Exc	15	28	28	1.00		
	2841	2841					
829	Subgrade Exc	0	0	0	1.00		
	0	0					
830	Subsoil Exc	29	56	56	1.00		
	2130	2130					
831	Fill	0	0	0	1.00	-4809	
	0	0					
832	Mass ordinate for TOPSOIL = 4971						
833							
834	231+00.00 EARTH						
835	Common Exc	9	17	17	1.00		
	3447	3447					
836	Subgrade Exc	0	0	0	1.00		
	0	0					
837	Subsoil Exc	0	0	0	1.00		
	0	0					
838	Fill	118	223	223	1.00	-5015	
	8462	8462					
839	TOPSOIL						
840	Common Exc	14	27	27	1.00		
	2868	2868					
841	Subgrade Exc	0	0	0	1.00		
	0	0					
842	Subsoil Exc	30	55	55	1.00		
	2185	2185					
843	Fill	0	0	0	1.00	-5015	
	0	0					
844	Mass ordinate for TOPSOIL = 5053						
845							
846	231+50.00 EARTH						
847	Common Exc	9	17	17	1.00		
	3464	3464					
848	Subgrade Exc	0	0	0	1.00		
	0	0					
849	Subsoil Exc	0	0	0	1.00		
	0	0					
850	Fill	95	197	197	1.00	-5195	
	8659	8659					
851	TOPSOIL						
852	Common Exc	16	28	28	1.00		
	2896	2896					
853	Subgrade Exc	0	0	0	1.00		
	0	0					
854	Subsoil Exc	27	53	53	1.00		
	2238	2238					
855	Fill	0	0	0	1.00	-5195	
	0	0					
856	Mass ordinate for TOPSOIL = 5134						
857							
858	232+00.00 EARTH						
859	Common Exc	9	17	17	1.00		
	3481	3481					
860	Subgrade Exc	0	0	0	1.00		

861	0	0					
	Subsoil	Exc	0	0	0	1.00	
862	0	0					
	Fill		80	162	162	1.00	-5340
	8821	8821					
863	TOPSOIL						
864	Common	Exc	15	29	29	1.00	
	2925	2925					
865	Subgrade	Exc	0	0	0	1.00	
	0	0					
866	Subsoil	Exc	27	50	50	1.00	
	2288	2288					
867	Fill		0	0	0	1.00	-5340
	0	0					
868	Mass ordinate for TOPSOIL = 5213						
869							
870	232+50.00	EARTH					
871	Common	Exc	9	17	17	1.00	
	3498	3498					
872	Subgrade	Exc	0	0	0	1.00	
	0	0					
873	Subsoil	Exc	0	0	0	1.00	
	0	0					
874	Fill		79	147	147	1.00	-5470
	8968	8968					
875	TOPSOIL						
876	Common	Exc	16	29	29	1.00	
	2954	2954					
877	Subgrade	Exc	0	0	0	1.00	
	0	0					
878	Subsoil	Exc	26	49	49	1.00	
	2337	2337					
879	Fill		0	0	0	1.00	-5470
	0	0					
880	Mass ordinate for TOPSOIL = 5291						
881							
882	233+00.00	EARTH					
883	Common	Exc	9	17	17	1.00	
	3515	3515					
884	Subgrade	Exc	0	0	0	1.00	
	0	0					
885	Subsoil	Exc	0	0	0	1.00	
	0	0					
886	Fill		77	144	144	1.00	-5597
	9112	9112					
887	TOPSOIL						
888	Common	Exc	15	29	29	1.00	
	2983	2983					
889	Subgrade	Exc	0	0	0	1.00	
	0	0					
890	Subsoil	Exc	26	48	48	1.00	
	2385	2385					
891	Fill		0	0	0	1.00	-5597
	0	0					
892	Mass ordinate for TOPSOIL = 5368						
893							
894	233+50.00	EARTH					
895	Common	Exc	10	18	18	1.00	
	3533	3533					
896	Subgrade	Exc	0	0	0	1.00	
	0	0					
897	Subsoil	Exc	0	0	0	1.00	
	0	0					
898	Fill		73	139	139	1.00	-5718
	9251	9251					
899	TOPSOIL						

900		Common Exc	16	29	29	1.00	
		3012	3012				
901		Subgrade Exc	0	0	0	1.00	
		0	0				
902		Subsoil Exc	24	46	46	1.00	
		2431	2431				
903		Fill	0	0	0	1.00	-5718
		0	0				
904		Mass ordinate for TOPSOIL = 5443					
905							
906	234+00.00	EARTH					
907		Common Exc	12	20	20	1.00	
		3553	3553				
908		Subgrade Exc	0	0	0	1.00	
		0	0				
909		Subsoil Exc	0	0	0	1.00	
		0	0				
910		Fill	72	134	134	1.00	-5832
		9385	9385				
911		TOPSOIL					
912		Common Exc	16	30	30	1.00	
		3042	3042				
913		Subgrade Exc	0	0	0	1.00	
		0	0				
914		Subsoil Exc	24	44	44	1.00	
		2475	2475				
915		Fill	0	0	0	1.00	-5832
		0	0				
916		Mass ordinate for TOPSOIL = 5517					
917							
918	234+50.00	EARTH					
919		Common Exc	15	25	25	1.00	
		3578	3578				
920		Subgrade Exc	0	0	0	1.00	
		0	0				
921		Subsoil Exc	0	0	0	1.00	
		0	0				
922		Fill	70	131	131	1.00	-5938
		9516	9516				
923		TOPSOIL					
924		Common Exc	17	31	31	1.00	
		3073	3073				
925		Subgrade Exc	0	0	0	1.00	
		0	0				
926		Subsoil Exc	24	44	44	1.00	
		2519	2519				
927		Fill	0	0	0	1.00	-5938
		0	0				
928		Mass ordinate for TOPSOIL = 5592					
929							
930	235+00.00	EARTH					
931		Common Exc	16	29	29	1.00	
		3607	3607				
932		Subgrade Exc	0	0	0	1.00	
		0	0				
933		Subsoil Exc	0	0	0	1.00	
		0	0				
934		Fill	66	126	126	1.00	-6035
		9642	9642				
935		TOPSOIL					
936		Common Exc	18	32	32	1.00	
		3105	3105				
937		Subgrade Exc	0	0	0	1.00	
		0	0				
938		Subsoil Exc	23	44	44	1.00	
		2563	2563				

939		Fill	0	0	0	1.00	-6035
		0	0				
940		Mass ordinate for TOPSOIL = 5668					
941							
942	235+50.00	EARTH					
943		Common Exc	17	31	31	1.00	
		3638	3638				
944		Subgrade Exc	0	0	0	1.00	
		0	0				
945		Subsoil Exc	0	0	0	1.00	
		0	0				
946		Fill	64	120	120	1.00	-6124
		9762	9762				
947		TOPSOIL					
948		Common Exc	18	33	33	1.00	
		3138	3138				
949		Subgrade Exc	0	0	0	1.00	
		0	0				
950		Subsoil Exc	22	42	42	1.00	
		2605	2605				
951		Fill	0	0	0	1.00	-6124
		0	0				
952		Mass ordinate for TOPSOIL = 5743					
953							
954	236+00.00	EARTH					
955		Common Exc	14	29	29	1.00	
		3667	3667				
956		Subgrade Exc	0	0	0	1.00	
		0	0				
957		Subsoil Exc	0	0	0	1.00	
		0	0				
958		Fill	63	118	118	1.00	-6213
		9880	9880				
959		TOPSOIL					
960		Common Exc	17	32	32	1.00	
		3170	3170				
961		Subgrade Exc	0	0	0	1.00	
		0	0				
962		Subsoil Exc	23	42	42	1.00	
		2647	2647				
963		Fill	0	0	0	1.00	-6213
		0	0				
964		Mass ordinate for TOPSOIL = 5817					
965							
966	236+50.00	EARTH					
967		Common Exc	12	24	24	1.00	
		3691	3691				
968		Subgrade Exc	0	0	0	1.00	
		0	0				
969		Subsoil Exc	0	0	0	1.00	
		0	0				
970		Fill	61	115	115	1.00	-6304
		9995	9995				
971		TOPSOIL					
972		Common Exc	17	31	31	1.00	
		3201	3201				
973		Subgrade Exc	0	0	0	1.00	
		0	0				
974		Subsoil Exc	23	43	43	1.00	
		2690	2690				
975		Fill	0	0	0	1.00	-6304
		0	0				
976		Mass ordinate for TOPSOIL = 5891					
977							
978	237+00.00	EARTH					
979		Common Exc	15	25	25	1.00	

	3716	3716					
980	Subgrade Exc	0	0	0	1.00		
	0	0					
981	Subsoil Exc	0	0	0	1.00		
	0	0					
982	Fill	63	115	115	1.00	-6394	
	10110	10110					
983	TOPSOIL						
984	Common Exc	18	32	32	1.00		
	3233	3233					
985	Subgrade Exc	0	0	0	1.00		
	0	0					
986	Subsoil Exc	22	42	42	1.00		
	2732	2732					
987	Fill	0	0	0	1.00	-6394	
	0	0					
988	Mass ordinate for TOPSOIL = 5965						
989							
990	237+50.00 EARTH						
991	Common Exc	17	30	30	1.00		
	3746	3746					
992	Subgrade Exc	0	0	0	1.00		
	0	0					
993	Subsoil Exc	0	0	0	1.00		
	0	0					
994	Fill	55	109	109	1.00	-6473	
	10219	10219					
995	TOPSOIL						
996	Common Exc	19	34	34	1.00		
	3267	3267					
997	Subgrade Exc	0	0	0	1.00		
	0	0					
998	Subsoil Exc	21	40	40	1.00		
	2772	2772					
999	Fill	0	0	0	1.00	-6473	
	0	0					
1000	Mass ordinate for TOPSOIL = 6039						
1001							
1002	238+00.00 EARTH						
1003	Common Exc	15	30	30	1.00		
	3776	3776					
1004	Subgrade Exc	0	0	0	1.00		
	0	0					
1005	Subsoil Exc	0	0	0	1.00		
	0	0					
1006	Fill	45	93	93	1.00	-6536	
	10312	10312					
1007	TOPSOIL						
1008	Common Exc	19	35	35	1.00		
	3302	3302					
1009	Subgrade Exc	0	0	0	1.00		
	0	0					
1010	Subsoil Exc	19	37	37	1.00		
	2809	2809					
1011	Fill	0	0	0	1.00	-6536	
	0	0					
1012	Mass ordinate for TOPSOIL = 6111						
1013							
1014	238+50.00 EARTH						
1015	Common Exc	14	27	27	1.00		
	3803	3803					
1016	Subgrade Exc	0	0	0	1.00		
	0	0					
1017	Subsoil Exc	0	0	0	1.00		
	0	0					
1018	Fill	43	81	81	1.00	-6590	

		10393	10393				
1019		TOPSOIL					
1020		Common Exc	20	36	36	1.00	
		3338	3338				
1021		Subgrade Exc	0	0	0	1.00	
		0	0				
1022		Subsoil Exc	18	34	34	1.00	
		2843	2843				
1023		Fill	0	0	0	1.00	-6590
		0	0				
1024		Mass ordinate for TOPSOIL = 6181					
1025							
1026	239+00.00	EARTH					
1027		Common Exc	10	22	22	1.00	
		3825	3825				
1028		Subgrade Exc	0	0	0	1.00	
		0	0				
1029		Subsoil Exc	0	0	0	1.00	
		0	0				
1030		Fill	53	89	89	1.00	-6657
		10482	10482				
1031		TOPSOIL					
1032		Common Exc	14	31	31	1.00	
		3369	3369				
1033		Subgrade Exc	0	0	0	1.00	
		0	0				
1034		Subsoil Exc	22	37	37	1.00	
		2880	2880				
1035		Fill	0	0	0	1.00	-6657
		0	0				
1036		Mass ordinate for TOPSOIL = 6249					
1037							
1038	239+50.00	EARTH					
1039		Common Exc	11	19	19	1.00	
		3844	3844				
1040		Subgrade Exc	0	0	0	1.00	
		0	0				
1041		Subsoil Exc	0	0	0	1.00	
		0	0				
1042		Fill	45	91	91	1.00	-6729
		10573	10573				
1043		TOPSOIL					
1044		Common Exc	17	29	29	1.00	
		3398	3398				
1045		Subgrade Exc	0	0	0	1.00	
		0	0				
1046		Subsoil Exc	18	37	37	1.00	
		2917	2917				
1047		Fill	0	0	0	1.00	-6729
		0	0				
1048		Mass ordinate for TOPSOIL = 6315					
1049							
1050	240+00.00	EARTH					
1051		Common Exc	12	21	21	1.00	
		3865	3865				
1052		Subgrade Exc	0	0	0	1.00	
		0	0				
1053		Subsoil Exc	0	0	0	1.00	
		0	0				
1054		Fill	34	73	73	1.00	-6781
		10646	10646				
1055		TOPSOIL					
1056		Common Exc	18	32	32	1.00	
		3430	3430				
1057		Subgrade Exc	0	0	0	1.00	
		0	0				

1058	Subsoil Exc	16	31	31	1.00	
	2948	2948				
1059	Fill	0	0	0	1.00	-6781
	0	0				
1060	Mass ordinate for TOPSOIL = 6378					
1061						
1062	240+50.00 EARTH					
1063	Common Exc	13	23	23	1.00	
	3888	3888				
1064	Subgrade Exc	0	0	0	1.00	
	0	0				
1065	Subsoil Exc	0	0	0	1.00	
	0	0				
1066	Fill	28	57	57	1.00	-6815
	10703	10703				
1067	TOPSOIL					
1068	Common Exc	18	33	33	1.00	
	3463	3463				
1069	Subgrade Exc	0	0	0	1.00	
	0	0				
1070	Subsoil Exc	15	29	29	1.00	
	2977	2977				
1071	Fill	0	0	0	1.00	-6815
	0	0				
1072	Mass ordinate for TOPSOIL = 6440					
1073						
1074	241+00.00 EARTH					
1075	Common Exc	16	27	27	1.00	
	3915	3915				
1076	Subgrade Exc	0	0	0	1.00	
	0	0				
1077	Subsoil Exc	0	0	0	1.00	
	0	0				
1078	Fill	23	47	47	1.00	-6835
	10750	10750				
1079	TOPSOIL					
1080	Common Exc	23	38	38	1.00	
	3501	3501				
1081	Subgrade Exc	0	0	0	1.00	
	0	0				
1082	Subsoil Exc	10	23	23	1.00	
	3000	3000				
1083	Fill	0	0	0	1.00	-6835
	0	0				
1084	Mass ordinate for TOPSOIL = 6501					
1085						
1086	241+50.00 EARTH					
1087	Common Exc	16	30	30	1.00	
	3945	3945				
1088	Subgrade Exc	0	0	0	1.00	
	0	0				
1089	Subsoil Exc	0	0	0	1.00	
	0	0				
1090	Fill	29	48	48	1.00	-6853
	10798	10798				
1091	TOPSOIL					
1092	Common Exc	23	43	43	1.00	
	3544	3544				
1093	Subgrade Exc	0	0	0	1.00	
	0	0				
1094	Subsoil Exc	11	19	19	1.00	
	3019	3019				
1095	Fill	0	0	0	1.00	-6853
	0	0				
1096	Mass ordinate for TOPSOIL = 6563					
1097						

1098	242+00.00	EARTH					
1099		Common Exc	18	31	31	1.00	
		3976	3976				
1100		Subgrade Exc	0	0	0	1.00	
		0	0				
1101		Subsoil Exc	0	0	0	1.00	
		0	0				
1102		Fill	37	61	61	1.00	-6883
		10859	10859				
1103		TOPSOIL					
1104		Common Exc	23	43	43	1.00	
		3587	3587				
1105		Subgrade Exc	0	0	0	1.00	
		0	0				
1106		Subsoil Exc	12	21	21	1.00	
		3040	3040				
1107		Fill	0	0	0	1.00	-6883
		0	0				
1108		Mass ordinate for TOPSOIL = 6627					
1109							
1110	242+50.00	EARTH					
1111		Common Exc	15	31	31	1.00	
		4007	4007				
1112		Subgrade Exc	0	0	0	1.00	
		0	0				
1113		Subsoil Exc	0	0	0	1.00	
		0	0				
1114		Fill	55	85	85	1.00	-6937
		10944	10944				
1115		TOPSOIL					
1116		Common Exc	19	39	39	1.00	
		3626	3626				
1117		Subgrade Exc	0	0	0	1.00	
		0	0				
1118		Subsoil Exc	19	29	29	1.00	
		3069	3069				
1119		Fill	0	0	0	1.00	-6937
		0	0				
1120		Mass ordinate for TOPSOIL = 6695					
1121							
1122	243+00.00	EARTH					
1123		Common Exc	12	25	25	1.00	
		4032	4032				
1124		Subgrade Exc	0	0	0	1.00	
		0	0				
1125		Subsoil Exc	0	0	0	1.00	
		0	0				
1126		Fill	76	121	121	1.00	-7033
		11065	11065				
1127		TOPSOIL					
1128		Common Exc	18	34	34	1.00	
		3660	3660				
1129		Subgrade Exc	0	0	0	1.00	
		0	0				
1130		Subsoil Exc	22	38	38	1.00	
		3107	3107				
1131		Fill	0	0	0	1.00	-7033
		0	0				
1132		Mass ordinate for TOPSOIL = 6767					
1133							
1134	243+50.00	EARTH					
1135		Common Exc	12	22	22	1.00	
		4054	4054				
1136		Subgrade Exc	0	0	0	1.00	
		0	0				
1137		Subsoil Exc	0	0	0	1.00	

1138	0	0					
	Fill	92	156	156	1.00	-7167	
	11221	11221					
1139	TOPSOIL						
1140	Common Exc	18	33	33	1.00		
	3693	3693					
1141	Subgrade Exc	0	0	0	1.00		
	0	0					
1142	Subsoil Exc	24	43	43	1.00		
	3150	3150					
1143	Fill	0	0	0	1.00	-7167	
	0	0					
1144	Mass ordinate for TOPSOIL = 6843						
1145							
1146	244+00.00 EARTH						
1147	Common Exc	11	21	21	1.00		
	4075	4075					
1148	Subgrade Exc	0	0	0	1.00		
	0	0					
1149	Subsoil Exc	0	0	0	1.00		
	0	0					
1150	Fill	52	133	133	1.00	-7279	
	11354	11354					
1151	TOPSOIL						
1152	Common Exc	21	36	36	1.00		
	3729	3729					
1153	Subgrade Exc	0	0	0	1.00		
	0	0					
1154	Subsoil Exc	16	37	37	1.00		
	3187	3187					
1155	Fill	0	0	0	1.00	-7279	
	0	0					
1156	Mass ordinate for TOPSOIL = 6916						
1157							
1158	244+50.00 EARTH						
1159	Common Exc	5	15	15	1.00		
	4090	4090					
1160	Subgrade Exc	0	0	0	1.00		
	0	0					
1161	Subsoil Exc	0	0	0	1.00		
	0	0					
1162	Fill	88	130	130	1.00	-7394	
	11484	11484					
1163	TOPSOIL						
1164	Common Exc	15	33	33	1.00		
	3762	3762					
1165	Subgrade Exc	0	0	0	1.00		
	0	0					
1166	Subsoil Exc	21	34	34	1.00		
	3221	3221					
1167	Fill	0	0	0	1.00	-7394	
	0	0					
1168	Mass ordinate for TOPSOIL = 6983						
1169							
1170	245+00.00 EARTH						
1171	Common Exc	6	10	10	1.00		
	4100	4100					
1172	Subgrade Exc	0	0	0	1.00		
	0	0					
1173	Subsoil Exc	0	0	0	1.00		
	0	0					
1174	Fill	151	221	221	1.00	-7605	
	11705	11705					
1175	TOPSOIL						
1176	Common Exc	13	26	26	1.00		
	3788	3788					

1177		Subgrade Exc	0	0	0	1.00	
		0	0				
1178		Subsoil Exc	31	48	48	1.00	
		3269	3269				
1179		Fill	0	0	0	1.00	-7605
		0	0				
1180		Mass ordinate for TOPSOIL = 7057					
1181							
1182	245+50.00	EARTH					
1183		Common Exc	9	14	14	1.00	
		4114	4114				
1184		Subgrade Exc	0	0	0	1.00	
		0	0				
1185		Subsoil Exc	0	0	0	1.00	
		0	0				
1186		Fill	253	374	374	1.00	-7965
		12079	12079				
1187		TOPSOIL					
1188		Common Exc	13	24	24	1.00	
		3812	3812				
1189		Subgrade Exc	0	0	0	1.00	
		0	0				
1190		Subsoil Exc	35	61	61	1.00	
		3330	3330				
1191		Fill	0	0	0	1.00	-7965
		0	0				
1192		Mass ordinate for TOPSOIL = 7142					
1193							
1194	246+00.00	EARTH					
1195		Common Exc	11	19	19	1.00	
		4133	4133				
1196		Subgrade Exc	0	0	0	1.00	
		0	0				
1197		Subsoil Exc	0	0	0	1.00	
		0	0				
1198		Fill	209	428	428	1.00	-8374
		12507	12507				
1199		TOPSOIL					
1200		Common Exc	13	24	24	1.00	
		3836	3836				
1201		Subgrade Exc	0	0	0	1.00	
		0	0				
1202		Subsoil Exc	37	67	67	1.00	
		3397	3397				
1203		Fill	0	0	0	1.00	-8374
		0	0				
1204		Mass ordinate for TOPSOIL = 7233					
1205							
1206	246+50.00	EARTH					
1207		Common Exc	14	23	23	1.00	
		4156	4156				
1208		Subgrade Exc	0	0	0	1.00	
		0	0				
1209		Subsoil Exc	0	0	0	1.00	
		0	0				
1210		Fill	208	386	386	1.00	-8737
		12893	12893				
1211		TOPSOIL					
1212		Common Exc	12	23	23	1.00	
		3859	3859				
1213		Subgrade Exc	0	0	0	1.00	
		0	0				
1214		Subsoil Exc	37	69	69	1.00	
		3466	3466				
1215		Fill	0	0	0	1.00	-8737
		0	0				

1216	Mass ordinate for TOPSOIL = 7325						
1217							
1218	247+00.00	EARTH					
1219		Common Exc	14	26	26	1.00	
		4182	4182				
1220		Subgrade Exc	0	0	0	1.00	
		0	0				
1221		Subsoil Exc	0	0	0	1.00	
		0	0				
1222		Fill	241	416	416	1.00	-9127
		13309	13309				
1223	TOPSOIL						
1224		Common Exc	14	24	24	1.00	
		3883	3883				
1225		Subgrade Exc	0	0	0	1.00	
		0	0				
1226		Subsoil Exc	39	70	70	1.00	
		3536	3536				
1227		Fill	0	0	0	1.00	-9127
		0	0				
1228	Mass ordinate for TOPSOIL = 7419						
1229							
1230	247+50.00	EARTH					
1231		Common Exc	13	25	25	1.00	
		4207	4207				
1232		Subgrade Exc	0	0	0	1.00	
		0	0				
1233		Subsoil Exc	0	0	0	1.00	
		0	0				
1234		Fill	246	451	451	1.00	-9553
		13760	13760				
1235	TOPSOIL						
1236		Common Exc	16	28	28	1.00	
		3911	3911				
1237		Subgrade Exc	0	0	0	1.00	
		0	0				
1238		Subsoil Exc	39	72	72	1.00	
		3608	3608				
1239		Fill	0	0	0	1.00	-9553
		0	0				
1240	Mass ordinate for TOPSOIL = 7519						
1241							
1242	248+00.00	EARTH					
1243		Common Exc	13	24	24	1.00	
		4231	4231				
1244		Subgrade Exc	0	0	0	1.00	
		0	0				
1245		Subsoil Exc	0	0	0	1.00	
		0	0				
1246		Fill	231	442	442	1.00	-9971
		14202	14202				
1247	TOPSOIL						
1248		Common Exc	18	31	31	1.00	
		3942	3942				
1249		Subgrade Exc	0	0	0	1.00	
		0	0				
1250		Subsoil Exc	37	70	70	1.00	
		3678	3678				
1251		Fill	0	0	0	1.00	-9971
		0	0				
1252	Mass ordinate for TOPSOIL = 7620						
1253							
1254	248+50.00	EARTH					
1255		Common Exc	15	26	26	1.00	
		4257	4257				
1256		Subgrade Exc	0	0	0	1.00	

1257	0	0					
	Subsoil	Exc	0	0	0	1.00	
1258	0	0					
	Fill		60	269	269	1.00	-10214
	14471	14471					
1259	TOPSOIL						
1260	Common	Exc	23	38	38	1.00	
	3980	3980					
1261	Subgrade	Exc	0	0	0	1.00	
	0	0					
1262	Subsoil	Exc	20	53	53	1.00	
	3731	3731					
1263	Fill		0	0	0	1.00	-10214
	0	0					
1264	Mass ordinate for TOPSOIL = 7711						
1265							
1266	249+00.00 EARTH						
1267	Common	Exc	9	22	22	1.00	
	4279	4279					
1268	Subgrade	Exc	0	0	0	1.00	
	0	0					
1269	Subsoil	Exc	0	0	0	1.00	
	0	0					
1270	Fill		274	309	309	1.00	-10501
	14780	14780					
1271	TOPSOIL						
1272	Common	Exc	17	37	37	1.00	
	4017	4017					
1273	Subgrade	Exc	0	0	0	1.00	
	0	0					
1274	Subsoil	Exc	42	57	57	1.00	
	3788	3788					
1275	Fill		0	0	0	1.00	-10501
	0	0					
1276	Mass ordinate for TOPSOIL = 7805						
1277							
1278	249+50.00 EARTH						
1279	Common	Exc	6	14	14	1.00	
	4293	4293					
1280	Subgrade	Exc	0	0	0	1.00	
	0	0					
1281	Subsoil	Exc	0	0	0	1.00	
	0	0					
1282	Fill		304	535	535	1.00	-11022
	15315	15315					
1283	TOPSOIL						
1284	Common	Exc	15	30	30	1.00	
	4047	4047					
1285	Subgrade	Exc	0	0	0	1.00	
	0	0					
1286	Subsoil	Exc	47	82	82	1.00	
	3870	3870					
1287	Fill		0	0	0	1.00	-11022
	0	0					
1288	Mass ordinate for TOPSOIL = 7917						
1289							
1290	250+00.00 EARTH						
1291	Common	Exc	4	9	9	1.00	
	4302	4302					
1292	Subgrade	Exc	0	0	0	1.00	
	0	0					
1293	Subsoil	Exc	0	0	0	1.00	
	0	0					
1294	Fill		379	632	632	1.00	-11645
	15947	15947					
1295	TOPSOIL						

1296		Common Exc	14	27	27	1.00	
		4074	4074				
1297		Subgrade Exc	0	0	0	1.00	
		0	0				
1298		Subsoil Exc	52	92	92	1.00	
		3962	3962				
1299		Fill	0	0	0	1.00	-11645
		0	0				
1300		Mass ordinate for TOPSOIL = 8036					
1301							
1302	250+50.00	EARTH					
1303		Common Exc	2	6	6	1.00	
		4308	4308				
1304		Subgrade Exc	0	0	0	1.00	
		0	0				
1305		Subsoil Exc	0	0	0	1.00	
		0	0				
1306		Fill	367	691	691	1.00	-12330
		16638	16638				
1307		TOPSOIL					
1308		Common Exc	14	26	26	1.00	
		4100	4100				
1309		Subgrade Exc	0	0	0	1.00	
		0	0				
1310		Subsoil Exc	52	96	96	1.00	
		4058	4058				
1311		Fill	0	0	0	1.00	-12330
		0	0				
1312		Mass ordinate for TOPSOIL = 8158					
1313							
1314	251+00.00	EARTH					
1315		Common Exc	1	3	3	1.00	
		4311	4311				
1316		Subgrade Exc	0	0	0	1.00	
		0	0				
1317		Subsoil Exc	0	0	0	1.00	
		0	0				
1318		Fill	316	632	632	1.00	-12959
		17270	17270				
1319		TOPSOIL					
1320		Common Exc	12	24	24	1.00	
		4124	4124				
1321		Subgrade Exc	0	0	0	1.00	
		0	0				
1322		Subsoil Exc	53	97	97	1.00	
		4155	4155				
1323		Fill	0	0	0	1.00	-12959
		0	0				
1324		Mass ordinate for TOPSOIL = 8279					
1325							
1326	251+50.00	EARTH					
1327		Common Exc	2	3	3	1.00	
		4314	4314				
1328		Subgrade Exc	0	0	0	1.00	
		0	0				
1329		Subsoil Exc	0	0	0	1.00	
		0	0				
1330		Fill	295	566	566	1.00	-13522
		17836	17836				
1331		TOPSOIL					
1332		Common Exc	13	23	23	1.00	
		4147	4147				
1333		Subgrade Exc	0	0	0	1.00	
		0	0				
1334		Subsoil Exc	51	96	96	1.00	
		4251	4251				

1335		Fill	0	0	0	1.00	-13522
		0	0				
1336		Mass ordinate for TOPSOIL = 8398					
1337							
1338	252+00.00	EARTH					
1339		Common Exc	6	7	7	1.00	
		4321	4321				
1340		Subgrade Exc	0	0	0	1.00	
		0	0				
1341		Subsoil Exc	0	0	0	1.00	
		0	0				
1342		Fill	270	523	523	1.00	-14038
		18359	18359				
1343		TOPSOIL					
1344		Common Exc	17	28	28	1.00	
		4175	4175				
1345		Subgrade Exc	0	0	0	1.00	
		0	0				
1346		Subsoil Exc	47	91	91	1.00	
		4342	4342				
1347		Fill	0	0	0	1.00	-14038
		0	0				
1348		Mass ordinate for TOPSOIL = 8517					
1349							
1350	252+50.00	EARTH					
1351		Common Exc	14	19	19	1.00	
		4340	4340				
1352		Subgrade Exc	0	0	0	1.00	
		0	0				
1353		Subsoil Exc	0	0	0	1.00	
		0	0				
1354		Fill	238	470	470	1.00	-14489
		18829	18829				
1355		TOPSOIL					
1356		Common Exc	22	36	36	1.00	
		4211	4211				
1357		Subgrade Exc	0	0	0	1.00	
		0	0				
1358		Subsoil Exc	44	84	84	1.00	
		4426	4426				
1359		Fill	0	0	0	1.00	-14489
		0	0				
1360		Mass ordinate for TOPSOIL = 8637					
1361							
1362	253+00.00	EARTH					
1363		Common Exc	16	28	28	1.00	
		4368	4368				
1364		Subgrade Exc	0	0	0	1.00	
		0	0				
1365		Subsoil Exc	0	0	0	1.00	
		0	0				
1366		Fill	249	451	451	1.00	-14912
		19280	19280				
1367		TOPSOIL					
1368		Common Exc	17	36	36	1.00	
		4247	4247				
1369		Subgrade Exc	0	0	0	1.00	
		0	0				
1370		Subsoil Exc	48	85	85	1.00	
		4511	4511				
1371		Fill	0	0	0	1.00	-14912
		0	0				
1372		Mass ordinate for TOPSOIL = 8758					
1373							
1374	253+50.00	EARTH					
1375		Common Exc	17	31	31	1.00	

	4399	4399					
1376	Subgrade Exc	0	0	0	0	1.00	
	0	0					
1377	Subsoil Exc	0	0	0	0	1.00	
	0	0					
1378	Fill	232	445	445	1.00	-15326	
	19725	19725					
1379	TOPSOIL						
1380	Common Exc	21	35	35	1.00		
	4282	4282					
1381	Subgrade Exc	0	0	0	1.00		
	0	0					
1382	Subsoil Exc	42	83	83	1.00		
	4594	4594					
1383	Fill	0	0	0	1.00	-15326	
	0	0					
1384	Mass ordinate for TOPSOIL = 8876						
1385							
1386	254+00.00 EARTH						
1387	Common Exc	27	41	41	1.00		
	4440	4440					
1388	Subgrade Exc	0	0	0	1.00		
	0	0					
1389	Subsoil Exc	0	0	0	1.00		
	0	0					
1390	Fill	228	426	426	1.00	-15711	
	20151	20151					
1391	TOPSOIL						
1392	Common Exc	22	40	40	1.00		
	4322	4322					
1393	Subgrade Exc	0	0	0	1.00		
	0	0					
1394	Subsoil Exc	41	77	77	1.00		
	4671	4671					
1395	Fill	0	0	0	1.00	-15711	
	0	0					
1396	Mass ordinate for TOPSOIL = 8993						
1397							
1398	254+50.00 EARTH						
1399	Common Exc	14	38	38	1.00		
	4478	4478					
1400	Subgrade Exc	0	0	0	1.00		
	0	0					
1401	Subsoil Exc	0	0	0	1.00		
	0	0					
1402	Fill	224	419	419	1.00	-16092	
	20570	20570					
1403	TOPSOIL						
1404	Common Exc	20	39	39	1.00		
	4361	4361					
1405	Subgrade Exc	0	0	0	1.00		
	0	0					
1406	Subsoil Exc	42	77	77	1.00		
	4748	4748					
1407	Fill	0	0	0	1.00	-16092	
	0	0					
1408	Mass ordinate for TOPSOIL = 9109						
1409							
1410	255+00.00 EARTH						
1411	Common Exc	17	29	29	1.00		
	4507	4507					
1412	Subgrade Exc	0	0	0	1.00		
	0	0					
1413	Subsoil Exc	0	0	0	1.00		
	0	0					
1414	Fill	188	381	381	1.00	-16444	

		20951	20951				
1415	TOPSOIL						
1416	Common Exc	21	38	38	1.00		
	4399	4399					
1417	Subgrade Exc	0	0	0	1.00		
	0	0					
1418	Subsoil Exc	36	72	72	1.00		
	4820	4820					
1419	Fill	0	0	0	1.00	-16444	
	0	0					
1420	Mass ordinate for TOPSOIL = 9219						
1421							
1422	255+50.00 EARTH						
1423	Common Exc	22	36	36	1.00		
	4543	4543					
1424	Subgrade Exc	0	0	0	1.00		
	0	0					
1425	Subsoil Exc	0	0	0	1.00		
	0	0					
1426	Fill	156	319	319	1.00	-16727	
	21270	21270					
1427	TOPSOIL						
1428	Common Exc	22	40	40	1.00		
	4439	4439					
1429	Subgrade Exc	0	0	0	1.00		
	0	0					
1430	Subsoil Exc	32	63	63	1.00		
	4883	4883					
1431	Fill	0	0	0	1.00	-16727	
	0	0					
1432	Mass ordinate for TOPSOIL = 9322						
1433							
1434	256+00.00 EARTH						
1435	Common Exc	31	49	49	1.00		
	4592	4592					
1436	Subgrade Exc	0	0	0	1.00		
	0	0					
1437	Subsoil Exc	0	0	0	1.00		
	0	0					
1438	Fill	85	223	223	1.00	-16901	
	21493	21493					
1439	TOPSOIL						
1440	Common Exc	25	44	44	1.00		
	4483	4483					
1441	Subgrade Exc	0	0	0	1.00		
	0	0					
1442	Subsoil Exc	19	47	47	1.00		
	4930	4930					
1443	Fill	0	0	0	1.00	-16901	
	0	0					
1444	Mass ordinate for TOPSOIL = 9413						
1445							
1446	256+50.00 EARTH						
1447	Common Exc	30	56	56	1.00		
	4648	4648					
1448	Subgrade Exc	0	0	0	1.00		
	0	0					
1449	Subsoil Exc	0	0	0	1.00		
	0	0					
1450	Fill	72	145	145	1.00	-16990	
	21638	21638					
1451	TOPSOIL						
1452	Common Exc	24	45	45	1.00		
	4528	4528					
1453	Subgrade Exc	0	0	0	1.00		
	0	0					

1454		Subsoil Exc	19	35	35	1.00	
		4965	4965				
1455		Fill	0	0	0	1.00	-16990
		0	0				
1456		Mass ordinate for TOPSOIL = 9493					
1457							
1458	257+00.00	EARTH					
1459		Common Exc	32	57	57	1.00	
		4705	4705				
1460		Subgrade Exc	0	0	0	1.00	
		0	0				
1461		Subsoil Exc	0	0	0	1.00	
		0	0				
1462		Fill	67	129	129	1.00	-17062
		21767	21767				
1463		TOPSOIL					
1464		Common Exc	24	44	44	1.00	
		4572	4572				
1465		Subgrade Exc	0	0	0	1.00	
		0	0				
1466		Subsoil Exc	16	32	32	1.00	
		4997	4997				
1467		Fill	0	0	0	1.00	-17062
		0	0				
1468		Mass ordinate for TOPSOIL = 9569					
1469							
1470	257+50.00	EARTH					
1471		Common Exc	43	69	69	1.00	
		4774	4774				
1472		Subgrade Exc	0	0	0	1.00	
		0	0				
1473		Subsoil Exc	0	0	0	1.00	
		0	0				
1474		Fill	19	80	80	1.00	-17073
		21847	21847				
1475		TOPSOIL					
1476		Common Exc	26	46	46	1.00	
		4618	4618				
1477		Subgrade Exc	0	0	0	1.00	
		0	0				
1478		Subsoil Exc	8	22	22	1.00	
		5019	5019				
1479		Fill	0	0	0	1.00	-17073
		0	0				
1480		Mass ordinate for TOPSOIL = 9637					
1481							
1482	258+00.00	EARTH					
1483		Common Exc	49	85	85	1.00	
		4859	4859				
1484		Subgrade Exc	0	0	0	1.00	
		0	0				
1485		Subsoil Exc	0	0	0	1.00	
		0	0				
1486		Fill	21	37	37	1.00	-17025
		21884	21884				
1487		TOPSOIL					
1488		Common Exc	26	48	48	1.00	
		4666	4666				
1489		Subgrade Exc	0	0	0	1.00	
		0	0				
1490		Subsoil Exc	8	15	15	1.00	
		5034	5034				
1491		Fill	0	0	0	1.00	-17025
		0	0				
1492		Mass ordinate for TOPSOIL = 9700					
1493							

1494	258+50.00	EARTH					
1495		Common Exc	59	100	100	1.00	
		4959	4959				
1496		Subgrade Exc	0	0	0	1.00	
		0	0				
1497		Subsoil Exc	0	0	0	1.00	
		0	0				
1498		Fill	4	23	23	1.00	-16948
		21907	21907				
1499		TOPSOIL					
1500		Common Exc	27	49	49	1.00	
		4715	4715				
1501		Subgrade Exc	0	0	0	1.00	
		0	0				
1502		Subsoil Exc	3	10	10	1.00	
		5044	5044				
1503		Fill	0	0	0	1.00	-16948
		0	0				
1504		Mass ordinate for TOPSOIL = 9759					
1505							
1506	259+00.00	EARTH					
1507		Common Exc	66	116	116	1.00	
		5075	5075				
1508		Subgrade Exc	0	0	0	1.00	
		0	0				
1509		Subsoil Exc	0	0	0	1.00	
		0	0				
1510		Fill	1	5	5	1.00	-16837
		21912	21912				
1511		TOPSOIL					
1512		Common Exc	24	47	47	1.00	
		4762	4762				
1513		Subgrade Exc	0	0	0	1.00	
		0	0				
1514		Subsoil Exc	1	4	4	1.00	
		5048	5048				
1515		Fill	0	0	0	1.00	-16837
		0	0				
1516		Mass ordinate for TOPSOIL = 9810					
1517	FF	G R A N D S U M M A R Y					
1518		Material Name		Unadjusted	Adjusted	Mult	
1519				Volumes	Volumes	Factor	
1520				(cu. yd.)	(cu. yd.)		
1521		-----		-----	-----	-----	
1522		EARTH					
1523		Common Exc	5075	5075	1.00		
1524		Subgrade Exc	0	0	1.00		
1525		Subsoil Exc	0	0	1.00		
1526		Fill	21912	21912	1.00		
1527		TOPSOIL					
1528		Common Exc	4762	4762	1.00		
1529		Subgrade Exc	0	0	1.00		
1530		Subsoil Exc	5048	5048	1.00		
1531		Fill	0	0	1.00		
1532	FF	S P L I T S U M M A R Y					
	S						
1533			XS Quant	XS Quant	Add/Sub Quant	Add/Sub	
			Quant				
1534		Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted	
		Mult					
1535			Volume	Volume	Volume	Volume	
			Factor				
1536			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.	
			yd.)				
1537		-----	-----	-----	-----	-----	

1538	EARTH							
1539		Common Exc	5075	5075	0	0		
		1.00						
1540		Subgrade Exc	0	0	0	0		
		1.00						
1541		Subsoil Exc	0	0	0	0		
		1.00						
1542		Fill	21912	21912	0	0		
		1.00						
1543	TOPSOIL							
1544		Common Exc	4762	4762	0	0		
		1.00						
1545		Subgrade Exc	0	0	0	0		
		1.00						
1546		Subsoil Exc	5048	5048	0	0		
		1.00						
1547		Fill	0	0	0	0		
		1.00						
1548	FF	B A L A N C E	P O I N T	S U M M A R Y				
1549		Material Name	Cumulative	Incremental				Mult
1550			Unadjusted	Adjusted	Unadjusted	Adjusted		Factor
1551			Volumes	Volumes	Volumes	Volumes		
1552			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)		
1553		-----	-----	-----	-----	-----		-----
1554	Station = 200+09.52							
1555	EARTH							
1556		Common Exc	15	15	15	15	1.00	
1557		Subgrade Exc	0	0	0	0	1.00	
1558		Subsoil Exc	0	0	0	0	1.00	
1559		Fill	15	15	15	15	1.00	
1560	TOPSOIL							
1561		Common Exc	21	21	21	21	1.00	
1562		Subgrade Exc	0	0	0	0	1.00	
1563		Subsoil Exc	0	0	0	0	1.00	
1564		Fill	0	0	0	0	1.00	
1565	Station = 216+72.21							
1566	EARTH							
1567		Common Exc	2638	2638	2623	2623	1.00	
1568		Subgrade Exc	0	0	0	0	1.00	
1569		Subsoil Exc	0	0	0	0	1.00	
1570		Fill	2638	2638	2623	2623	1.00	
1571	TOPSOIL							
1572		Common Exc	1899	1899	1878	1878	1.00	
1573		Subgrade Exc	0	0	0	0	1.00	
1574		Subsoil Exc	723	723	723	723	1.00	
1575		Fill	0	0	0	0	1.00	
1576								

```

1 Input File: ewkprj.inp
2 Output File: Ramp1_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.010000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Ramp1.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Special Tie to Ground
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lc = 0
22 1 20 20 wt = 4
23 1 21 21 co = 6-8,16,18
24 1 22 22
25 1 23 23 Existing Ground Line
26 1 24 24 soil type = Earth
27 1 25 25 roadway exc mult factor = 1.000000
28 1 26 26 subsoil exc mult factor = 1.000000
29 1 27 27 fill mult factor = 1.000000
30 1 28 28 type = line, line_string
31 1 29 29 lvname = SURVEY - GROUND - Top of Ground
32 1 30 30 co = 0
33 1 31 31
34 1 32 32 Existing Unsuitable Material
35 1 33 33 soil type = Topsoil
36 1 34 34 roadway exc mult factor = 1.000000
37 1 35 35 subsoil exc mult factor = 1.000000
38 1 36 36 fill mult factor = 1.000000
39 1 37 37 type = line, line_string
40 1 38 38 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
41 1 39 39 co = 2
42 1 40 40
43 1 41 41 Excavation Limit
44 1 42 42 type = line
45 1 43 43 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
46 1 44 44 co = 0
47 1 45 45
48 1 46 46 Write Earthwork Shapes
49 1 47 47 plot param
50 1 48 48 lv = 347
51 1 49 49 lvname = DESIGN - EARTHWORK - Shapes
52 1 50 50 co = 2
53 1 51 51 wt = 0
54 1 52 52 lc = 0
55 1 53 53 Stratify Shape Color
56 1 54 54
57 1 55 55
58 1 56 56 Add Accumulated Adjusted Volume Column
59 1 57 57
60 1 58 58 Add Accumulated Unadjusted Volume Column
61 1 59 59
62 1 60 60 End Area Decimal Places = 0
63 1 61 61
64 1 62 62 Process Earthwork for Baseline = RAMP1
65 1 63 63 job number = 32n

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66 1 64 64
67 1 65 65 beg sta = 220+50.00 R 1
68 1 66 66 end sta = 232+33.07 R 1
69 0 0 67 END_OF_FILE
70 COMPUTING EARTHWORKS FOR BASELINE = RAMP1
71 COMPUTING EARTHWORKS FOR JOB = 32N
72 FORMING LIST OF XSCHELLS
73 BEGINNING EARTHWORKS COMPUTATION

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74	Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass
75	Accum	Accum				
76	Station		Volumes	Volumes	Factor	Ordinate
77	Vol Adj Vol					Unadj
77		(sq. ft.)	(cu. yd.)	(cu. yd.)		(cu.
77		yd.) (cu. yd.)				
78	-----	-----	-----	-----	-----	-----
79	220+50.00 EARTH					
80	Common Exc	108	0	0	1.00	
	0 0					
81	Subgrade Exc	0	0	0	1.00	
	0 0					
82	Subsoil Exc	0	0	0	1.00	
	0 0					
83	Fill	66	0	0	1.00	0
	0 0					
84	TOPSOIL					
85	Common Exc	36	0	0	1.00	
	0 0					
86	Subgrade Exc	0	0	0	1.00	
	0 0					
87	Subsoil Exc	22	0	0	1.00	
	0 0					
88	Fill	0	0	0	1.00	0
	0 0					
89	Mass ordinate for TOPSOIL = 0					
90						
91	221+00.00 EARTH					
92	Common Exc	1418	1413	1413	1.00	
	1413 1413					
93	Subgrade Exc	0	0	0	1.00	
	0 0					
94	Subsoil Exc	0	0	0	1.00	
	0 0					
95	Fill	0	61	61	1.00	1352
	61 61					
96	TOPSOIL					
97	Common Exc	86	113	113	1.00	
	113 113					
98	Subgrade Exc	0	0	0	1.00	
	0 0					
99	Subsoil Exc	0	20	20	1.00	
	20 20					
100	Fill	0	0	0	1.00	1352
	0 0					
101	Mass ordinate for TOPSOIL = 133					
102						
103	221+50.00 EARTH					
104	Common Exc	1395	2605	2605	1.00	
	4018 4018					
105	Subgrade Exc	0	0	0	1.00	
	0 0					
106	Subsoil Exc	0	0	0	1.00	
	0 0					
107	Fill	0	0	0	1.00	3957
	61 61					

108	TOPSOIL					
109	Common Exc	77	151	151	1.00	
	264	264				
110	Subgrade Exc	0	0	0	1.00	
	0	0				
111	Subsoil Exc	0	0	0	1.00	
	20	20				
112	Fill	0	0	0	1.00	3957
	0	0				
113	Mass ordinate for TOPSOIL = 284					
114						
115	222+00.00 EARTH					
116	Common Exc	1310	2505	2505	1.00	
	6523	6523				
117	Subgrade Exc	0	0	0	1.00	
	0	0				
118	Subsoil Exc	0	0	0	1.00	
	0	0				
119	Fill	0	0	0	1.00	6462
	61	61				
120	TOPSOIL					
121	Common Exc	71	137	137	1.00	
	401	401				
122	Subgrade Exc	0	0	0	1.00	
	0	0				
123	Subsoil Exc	0	0	0	1.00	
	20	20				
124	Fill	0	0	0	1.00	6462
	0	0				
125	Mass ordinate for TOPSOIL = 421					
126						
127	222+50.00 EARTH					
128	Common Exc	1150	2278	2278	1.00	
	8801	8801				
129	Subgrade Exc	0	0	0	1.00	
	0	0				
130	Subsoil Exc	0	0	0	1.00	
	0	0				
131	Fill	0	0	0	1.00	8740
	61	61				
132	TOPSOIL					
133	Common Exc	65	126	126	1.00	
	527	527				
134	Subgrade Exc	0	0	0	1.00	
	0	0				
135	Subsoil Exc	0	0	0	1.00	
	20	20				
136	Fill	0	0	0	1.00	8740
	0	0				
137	Mass ordinate for TOPSOIL = 547					
138						
139	223+00.00 EARTH					
140	Common Exc	993	1984	1984	1.00	
	10785	10785				
141	Subgrade Exc	0	0	0	1.00	
	0	0				
142	Subsoil Exc	0	0	0	1.00	
	0	0				
143	Fill	0	0	0	1.00	10724
	61	61				
144	TOPSOIL					
145	Common Exc	60	116	116	1.00	
	643	643				
146	Subgrade Exc	0	0	0	1.00	
	0	0				
147	Subsoil Exc	0	0	0	1.00	

148	20	20					
	Fill		0	0	0	1.00	10724
	0	0					
149	Mass ordinate for TOPSOIL = 663						
150							
151	223+50.00 EARTH						
152	Common Exc	946	1795	1795	1.00		
	12580	12580					
153	Subgrade Exc	0	0	0	1.00		
	0	0					
154	Subsoil Exc	0	0	0	1.00		
	0	0					
155	Fill	0	0	0	1.00	12519	
	61	61					
156	TOPSOIL						
157	Common Exc	64	115	115	1.00		
	758	758					
158	Subgrade Exc	0	0	0	1.00		
	0	0					
159	Subsoil Exc	0	0	0	1.00		
	20	20					
160	Fill	0	0	0	1.00	12519	
	0	0					
161	Mass ordinate for TOPSOIL = 778						
162							
163	224+00.00 EARTH						
164	Common Exc	750	1570	1570	1.00		
	14150	14150					
165	Subgrade Exc	0	0	0	1.00		
	0	0					
166	Subsoil Exc	0	0	0	1.00		
	0	0					
167	Fill	0	0	0	1.00	14089	
	61	61					
168	TOPSOIL						
169	Common Exc	59	114	114	1.00		
	872	872					
170	Subgrade Exc	0	0	0	1.00		
	0	0					
171	Subsoil Exc	0	0	0	1.00		
	20	20					
172	Fill	0	0	0	1.00	14089	
	0	0					
173	Mass ordinate for TOPSOIL = 892						
174							
175	224+50.00 EARTH						
176	Common Exc	516	1172	1172	1.00		
	15322	15322					
177	Subgrade Exc	0	0	0	1.00		
	0	0					
178	Subsoil Exc	0	0	0	1.00		
	0	0					
179	Fill	0	0	0	1.00	15261	
	61	61					
180	TOPSOIL						
181	Common Exc	54	105	105	1.00		
	977	977					
182	Subgrade Exc	0	0	0	1.00		
	0	0					
183	Subsoil Exc	0	0	0	1.00		
	20	20					
184	Fill	0	0	0	1.00	15261	
	0	0					
185	Mass ordinate for TOPSOIL = 997						
186							
187	225+00.00 EARTH						

188		Common Exc	288	744	744	1.00	
		16066	16066				
189		Subgrade Exc	0	0	0	1.00	
		0	0				
190		Subsoil Exc	0	0	0	1.00	
		0	0				
191		Fill	0	0	0	1.00	16005
		61	61				
192		TOPSOIL					
193		Common Exc	51	97	97	1.00	
		1074	1074				
194		Subgrade Exc	0	0	0	1.00	
		0	0				
195		Subsoil Exc	0	0	0	1.00	
		20	20				
196		Fill	0	0	0	1.00	16005
		0	0				
197		Mass ordinate for TOPSOIL = 1094					
198							
199	225+50.00	EARTH					
200		Common Exc	93	353	353	1.00	
		16419	16419				
201		Subgrade Exc	0	0	0	1.00	
		0	0				
202		Subsoil Exc	0	0	0	1.00	
		0	0				
203		Fill	49	45	45	1.00	16313
		106	106				
204		TOPSOIL					
205		Common Exc	30	75	75	1.00	
		1149	1149				
206		Subgrade Exc	0	0	0	1.00	
		0	0				
207		Subsoil Exc	21	19	19	1.00	
		39	39				
208		Fill	0	0	0	1.00	16313
		0	0				
209		Mass ordinate for TOPSOIL = 1188					
210							
211	226+00.00	EARTH					
212		Common Exc	20	105	105	1.00	
		16524	16524				
213		Subgrade Exc	0	0	0	1.00	
		0	0				
214		Subsoil Exc	0	0	0	1.00	
		0	0				
215		Fill	217	246	246	1.00	16172
		352	352				
216		TOPSOIL					
217		Common Exc	12	39	39	1.00	
		1188	1188				
218		Subgrade Exc	0	0	0	1.00	
		0	0				
219		Subsoil Exc	40	56	56	1.00	
		95	95				
220		Fill	0	0	0	1.00	16172
		0	0				
221		Mass ordinate for TOPSOIL = 1283					
222							
223	226+50.00	EARTH					
224		Common Exc	1	19	19	1.00	
		16543	16543				
225		Subgrade Exc	0	0	0	1.00	
		0	0				
226		Subsoil Exc	0	0	0	1.00	
		0	0				

227		Fill	416	586	586	1.00	15605
		938	938				
228	TOPSOIL						
229	Common Exc	3	14	14	1.00		
	1202	1202					
230	Subgrade Exc	0	0	0	1.00		
	0	0					
231	Subsoil Exc	47	81	81	1.00		
	176	176					
232	Fill	0	0	0	1.00	15605	
	0	0					
233	Mass ordinate for TOPSOIL = 1378						
234							
235	227+00.00 EARTH						
236	Common Exc	0	1	1	1.00		
	16544	16544					
237	Subgrade Exc	0	0	0	1.00		
	0	0					
238	Subsoil Exc	0	0	0	1.00		
	0	0					
239	Fill	466	817	817	1.00	14789	
	1755	1755					
240	TOPSOIL						
241	Common Exc	1	4	4	1.00		
	1206	1206					
242	Subgrade Exc	0	0	0	1.00		
	0	0					
243	Subsoil Exc	42	82	82	1.00		
	258	258					
244	Fill	0	0	0	1.00	14789	
	0	0					
245	Mass ordinate for TOPSOIL = 1464						
246							
247	227+50.00 EARTH						
248	Common Exc	0	0	0	1.00		
	16544	16544					
249	Subgrade Exc	0	0	0	1.00		
	0	0					
250	Subsoil Exc	0	0	0	1.00		
	0	0					
251	Fill	464	861	861	1.00	13928	
	2616	2616					
252	TOPSOIL						
253	Common Exc	1	2	2	1.00		
	1208	1208					
254	Subgrade Exc	0	0	0	1.00		
	0	0					
255	Subsoil Exc	41	77	77	1.00		
	335	335					
256	Fill	0	0	0	1.00	13928	
	0	0					
257	Mass ordinate for TOPSOIL = 1543						
258							
259	227+58.02 EARTH						
260	Common Exc	0	0	0	1.00		
	16544	16544					
261	Subgrade Exc	0	0	0	1.00		
	0	0					
262	Subsoil Exc	0	0	0	1.00		
	0	0					
263	Fill	457	137	137	1.00	13791	
	2753	2753					
264	TOPSOIL						
265	Common Exc	1	0	0	1.00		
	1208	1208					
266	Subgrade Exc	0	0	0	1.00		

306							
307	228+93.51	EARTH					
308		Common Exc	0	0	0	1.00	
		16555	16555				
309		Subgrade Exc	0	0	0	1.00	
		0	0				
310		Subsoil Exc	0	0	0	1.00	
		0	0				
311		Fill	169	132	132	1.00	12096
		4459	4459				
312		TOPSOIL					
313		Common Exc	1	0	0	1.00	
		1220	1220				
314		Subgrade Exc	0	0	0	1.00	
		0	0				
315		Subsoil Exc	28	20	20	1.00	
		526	526				
316		Fill	0	0	0	1.00	12096
		0	0				
317		Mass ordinate for TOPSOIL = 1746					
318							
319	229+00.00	EARTH					
320		Common Exc	0	0	0	1.00	
		16555	16555				
321		Subgrade Exc	0	0	0	1.00	
		0	0				
322		Subsoil Exc	0	0	0	1.00	
		0	0				
323		Fill	126	35	35	1.00	12061
		4494	4494				
324		TOPSOIL					
325		Common Exc	2	0	0	1.00	
		1220	1220				
326		Subgrade Exc	0	0	0	1.00	
		0	0				
327		Subsoil Exc	23	6	6	1.00	
		532	532				
328		Fill	0	0	0	1.00	12061
		0	0				
329		Mass ordinate for TOPSOIL = 1752					
330							
331	229+25.00	EARTH					
332		Common Exc	3	1	1	1.00	
		16556	16556				
333		Subgrade Exc	0	0	0	1.00	
		0	0				
334		Subsoil Exc	0	0	0	1.00	
		0	0				
335		Fill	97	103	103	1.00	11959
		4597	4597				
336		TOPSOIL					
337		Common Exc	5	3	3	1.00	
		1223	1223				
338		Subgrade Exc	0	0	0	1.00	
		0	0				
339		Subsoil Exc	21	20	20	1.00	
		552	552				
340		Fill	0	0	0	1.00	11959
		0	0				
341		Mass ordinate for TOPSOIL = 1775					
342							
343	229+50.00	EARTH					
344		Common Exc	14	8	8	1.00	
		16564	16564				
345		Subgrade Exc	0	0	0	1.00	
		0	0				

346		Subsoil Exc	0	0	0	1.00	
		0	0				
347		Fill	64	75	75	1.00	11892
		4672	4672				
348		TOPSOIL					
349		Common Exc	10	7	7	1.00	
		1230	1230				
350		Subgrade Exc	0	0	0	1.00	
		0	0				
351		Subsoil Exc	17	18	18	1.00	
		570	570				
352		Fill	0	0	0	1.00	11892
		0	0				
353		Mass ordinate for TOPSOIL = 1800					
354							
355	229+75.00	EARTH					
356		Common Exc	31	21	21	1.00	
		16585	16585				
357		Subgrade Exc	0	0	0	1.00	
		0	0				
358		Subsoil Exc	0	0	0	1.00	
		0	0				
359		Fill	39	48	48	1.00	11865
		4720	4720				
360		TOPSOIL					
361		Common Exc	14	11	11	1.00	
		1241	1241				
362		Subgrade Exc	0	0	0	1.00	
		0	0				
363		Subsoil Exc	15	15	15	1.00	
		585	585				
364		Fill	0	0	0	1.00	11865
		0	0				
365		Mass ordinate for TOPSOIL = 1826					
366							
367	230+00.00	EARTH					
368		Common Exc	45	35	35	1.00	
		16620	16620				
369		Subgrade Exc	0	0	0	1.00	
		0	0				
370		Subsoil Exc	0	0	0	1.00	
		0	0				
371		Fill	21	28	28	1.00	11872
		4748	4748				
372		TOPSOIL					
373		Common Exc	17	14	14	1.00	
		1255	1255				
374		Subgrade Exc	0	0	0	1.00	
		0	0				
375		Subsoil Exc	12	13	13	1.00	
		598	598				
376		Fill	0	0	0	1.00	11872
		0	0				
377		Mass ordinate for TOPSOIL = 1853					
378							
379	230+25.00	EARTH					
380		Common Exc	60	49	49	1.00	
		16669	16669				
381		Subgrade Exc	0	0	0	1.00	
		0	0				
382		Subsoil Exc	0	0	0	1.00	
		0	0				
383		Fill	7	13	13	1.00	11908
		4761	4761				
384		TOPSOIL					
385		Common Exc	24	19	19	1.00	

	1274	1274					
386	Subgrade Exc	0	0	0	0	1.00	
	0	0					
387	Subsoil Exc	6	8	8	8	1.00	
	606	606					
388	Fill	0	0	0	0	1.00	11908
	0	0					
389	Mass ordinate for TOPSOIL = 1880						
390							
391	230+33.08 EARTH						
392	Common Exc	64	19	19	19	1.00	
	16688	16688					
393	Subgrade Exc	0	0	0	0	1.00	
	0	0					
394	Subsoil Exc	0	0	0	0	1.00	
	0	0					
395	Fill	5	2	2	2	1.00	11925
	4763	4763					
396	TOPSOIL						
397	Common Exc	25	7	7	7	1.00	
	1281	1281					
398	Subgrade Exc	0	0	0	0	1.00	
	0	0					
399	Subsoil Exc	5	2	2	2	1.00	
	608	608					
400	Fill	0	0	0	0	1.00	11925
	0	0					
401	Mass ordinate for TOPSOIL = 1889						
402							
403	230+50.00 EARTH						
404	Common Exc	70	42	42	42	1.00	
	16730	16730					
405	Subgrade Exc	0	0	0	0	1.00	
	0	0					
406	Subsoil Exc	0	0	0	0	1.00	
	0	0					
407	Fill	2	2	2	2	1.00	11965
	4765	4765					
408	TOPSOIL						
409	Common Exc	28	17	17	17	1.00	
	1298	1298					
410	Subgrade Exc	0	0	0	0	1.00	
	0	0					
411	Subsoil Exc	2	2	2	2	1.00	
	610	610					
412	Fill	0	0	0	0	1.00	11965
	0	0					
413	Mass ordinate for TOPSOIL = 1908						
414							
415	230+75.00 EARTH						
416	Common Exc	73	66	66	66	1.00	
	16796	16796					
417	Subgrade Exc	0	0	0	0	1.00	
	0	0					
418	Subsoil Exc	0	0	0	0	1.00	
	0	0					
419	Fill	1	1	1	1	1.00	12030
	4766	4766					
420	TOPSOIL						
421	Common Exc	29	26	26	26	1.00	
	1324	1324					
422	Subgrade Exc	0	0	0	0	1.00	
	0	0					
423	Subsoil Exc	1	1	1	1	1.00	
	611	611					
424	Fill	0	0	0	0	1.00	12030

425		0	0				
426		Mass ordinate for TOPSOIL = 1935					
427	231+00.00	EARTH					
428		Common Exc	60	62	62	1.00	
		16858	16858				
429		Subgrade Exc	0	0	0	1.00	
		0	0				
430		Subsoil Exc	0	0	0	1.00	
		0	0				
431		Fill	1	1	1	1.00	12091
		4767	4767				
432		TOPSOIL					
433		Common Exc	28	26	26	1.00	
		1350	1350				
434		Subgrade Exc	0	0	0	1.00	
		0	0				
435		Subsoil Exc	1	1	1	1.00	
		612	612				
436		Fill	0	0	0	1.00	12091
		0	0				
437		Mass ordinate for TOPSOIL = 1962					
438							
439	231+25.00	EARTH					
440		Common Exc	45	49	49	1.00	
		16907	16907				
441		Subgrade Exc	0	0	0	1.00	
		0	0				
442		Subsoil Exc	0	0	0	1.00	
		0	0				
443		Fill	1	1	1	1.00	12139
		4768	4768				
444		TOPSOIL					
445		Common Exc	27	25	25	1.00	
		1375	1375				
446		Subgrade Exc	0	0	0	1.00	
		0	0				
447		Subsoil Exc	1	1	1	1.00	
		613	613				
448		Fill	0	0	0	1.00	12139
		0	0				
449		Mass ordinate for TOPSOIL = 1988					
450							
451	231+50.00	EARTH					
452		Common Exc	27	33	33	1.00	
		16940	16940				
453		Subgrade Exc	0	0	0	1.00	
		0	0				
454		Subsoil Exc	0	0	0	1.00	
		0	0				
455		Fill	11	6	6	1.00	12166
		4774	4774				
456		TOPSOIL					
457		Common Exc	16	20	20	1.00	
		1395	1395				
458		Subgrade Exc	0	0	0	1.00	
		0	0				
459		Subsoil Exc	11	6	6	1.00	
		619	619				
460		Fill	0	0	0	1.00	12166
		0	0				
461		Mass ordinate for TOPSOIL = 2014					
462							
463	231+68.56	EARTH					
464		Common Exc	18	15	15	1.00	
		16955	16955				

465	Subgrade Exc	0	0	0	1.00	
	0	0				
466	Subsoil Exc	0	0	0	1.00	
	0	0				
467	Fill	21	11	11	1.00	12170
	4785	4785				
468	TOPSOIL					
469	Common Exc	12	10	10	1.00	
	1405	1405				
470	Subgrade Exc	0	0	0	1.00	
	0	0				
471	Subsoil Exc	15	9	9	1.00	
	628	628				
472	Fill	0	0	0	1.00	12170
	0	0				
473	Mass ordinate for TOPSOIL = 2033					
474						

232+00.00 EARTH

476	Common Exc	14	19	19	1.00	
	16974	16974				
477	Subgrade Exc	0	0	0	1.00	
	0	0				
478	Subsoil Exc	0	0	0	1.00	
	0	0				
479	Fill	27	28	28	1.00	12161
	4813	4813				
480	TOPSOIL					
481	Common Exc	10	13	13	1.00	
	1418	1418				
482	Subgrade Exc	0	0	0	1.00	
	0	0				
483	Subsoil Exc	16	18	18	1.00	
	646	646				
484	Fill	0	0	0	1.00	12161
	0	0				
485	Mass ordinate for TOPSOIL = 2064					
486						

232+33.07 EARTH

488	Common Exc	13	17	17	1.00	
	16991	16991				
489	Subgrade Exc	0	0	0	1.00	
	0	0				
490	Subsoil Exc	0	0	0	1.00	
	0	0				
491	Fill	26	32	32	1.00	12146
	4845	4845				
492	TOPSOIL					
493	Common Exc	10	12	12	1.00	
	1430	1430				
494	Subgrade Exc	0	0	0	1.00	
	0	0				
495	Subsoil Exc	16	20	20	1.00	
	666	666				
496	Fill	0	0	0	1.00	12146
	0	0				
497	Mass ordinate for TOPSOIL = 2096					



G R A N D	S U M M A R Y	T O T A L S
Material Name	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.) Mult Factor

EARTH

503	Common Exc	16991	16991	1.00
504	Subgrade Exc	0	0	1.00
505	Subsoil Exc	0	0	1.00
506	Fill	4845	4845	1.00
507				

508	TOPSOIL						
509		Common Exc	1430	1430	1.00		
510		Subgrade Exc	0	0	1.00		
511		Subsoil Exc	666	666	1.00		
512		Fill	0	0	1.00		
513	FF S	S P L I T	S U M M A R Y	T O T A L			
514			XS Quant	XS Quant	Add/Sub Quant	Add/Sub	
515		Material Name	Quant	Unadjusted	Adjusted	Unadjusted	Adjusted
516		Mult	Unadjusted	Adjusted	Unadjusted	Adjusted	
517			Volume	Volume	Volume	Volume	
518			Factor	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
519		-----	-----	-----	-----	-----	-----
520	EARTH						
521		Common Exc	16991	16991	0	0	
522		1.00					
523		Subgrade Exc	0	0	0	0	
524		1.00					
525		Subsoil Exc	0	0	0	0	
526		1.00					
527		Fill	4845	4845	0	0	
528		1.00					
529	TOPSOIL						
530		Common Exc	1430	1430	0	0	
531		1.00					
532		Subgrade Exc	0	0	0	0	
533		1.00					
534		Subsoil Exc	666	666	0	0	
535		1.00					
536		Fill	0	0	0	0	
537		1.00					

```

1 Input File: ewkprj.inp
2 Output File: Ramp2_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Ramp2.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 co = 2,6-8,16,18
22 1 20 20
23 1 21 21 Existing Ground Line
24 1 22 22 soil type = Earth
25 1 23 23 roadway exc mult factor = 1.000000
26 1 24 24 subsoil exc mult factor = 1.000000
27 1 25 25 fill mult factor = 1.000000
28 1 26 26 type = line, line_string
29 1 27 27 lvname = SURVEY - GROUND - Top of Ground
30 1 28 28 co = 0
31 1 29 29
32 1 30 30 Existing Unsuitable Material
33 1 31 31 soil type = Topsoil
34 1 32 32 roadway exc mult factor = 1.000000
35 1 33 33 subsoil exc mult factor = 1.000000
36 1 34 34 fill mult factor = 1.000000
37 1 35 35 type = line, line_string
38 1 36 36 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
39 1 37 37 co = 2
40 1 38 38
41 1 39 39 Excavation Limit
42 1 40 40 type = line
43 1 41 41 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
44 1 42 42 co = 0
45 1 43 43
46 1 44 44 Write Earthwork Shapes
47 1 45 45 plot param
48 1 46 46 lv = 347
49 1 47 47 lvname = DESIGN - EARTHWORK - Shapes
50 1 48 48 co = 2
51 1 49 49 wt = 0
52 1 50 50 lc = 0
53 1 51 51 Stratify Shape Color
54 1 52 52
55 1 53 53
56 1 54 54 Add Accumulated Adjusted Volume Column
57 1 55 55
58 1 56 56 Add Accumulated Unadjusted Volume Column
59 1 57 57
60 1 58 58 End Area Decimal Places = 0
61 1 59 59
62 1 60 60 Process Earthwork for Baseline = RAMP2
63 1 61 61 job number = 32n
64 1 62 62
65 1 63 63 beg sta = 240+00.00 R 1

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66      1      64      64      end sta = 257+50.00 R 1
67      0      0      65 END_OF_FILE
68 COMPUTING EARTHWORKS FOR BASELINE = RAMP2
69 COMPUTING EARTHWORKS FOR JOB = 32N
70 FORMING LIST OF XSCHELLS
71 BEGINNING EARTHWORKS COMPUTATION
72

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		Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass		
		Accum	Accum						
Station				Volumes	Volumes	Factor	Ordinate	Unadj	
Vol	Adj	Vol							
			(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu.	
			yd.) (cu. yd.)						

240+00.00		EARTH							
		Common Exc	114	0	0	1.00			
		0	0						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	0	0	0	1.00	0		
		0	0						
		TOPSOIL							
		Common Exc	31	0	0	1.00			
		0	0						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	0	0	0	1.00	0		
		0	0						
		Mass ordinate for TOPSOIL = 0							
240+25.00		EARTH							
		Common Exc	129	113	113	1.00			
		113	113						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	0	0	0	1.00	113		
		0	0						
		TOPSOIL							
		Common Exc	31	29	29	1.00			
		29	29						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	0	0	0	1.00	113		
		0	0						
		Mass ordinate for TOPSOIL = 29							
240+50.00		EARTH							
		Common Exc	142	125	125	1.00			
		238	238						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	0	0	0	1.00	238		
		0	0						
		TOPSOIL							
		Common Exc	31	29	29	1.00			

108	58	58					
	Subgrade	Exc	0	0	0	1.00	
109	0	0					
	Subsoil	Exc	0	0	0	1.00	
	0	0					
110		Fill	0	0	0	1.00	238
	0	0					
111	Mass ordinate for TOPSOIL = 58						
112							
113	240+75.00 EARTH						
114		Common	Exc	157	138	138	1.00
	376	376					
115		Subgrade	Exc	0	0	0	1.00
	0	0					
116		Subsoil	Exc	0	0	0	1.00
	0	0					
117		Fill		0	0	0	1.00
	0	0					376
118	TOPSOIL						
119		Common	Exc	31	29	29	1.00
	87	87					
120		Subgrade	Exc	0	0	0	1.00
	0	0					
121		Subsoil	Exc	0	0	0	1.00
	0	0					
122		Fill		0	0	0	1.00
	0	0					376
123	Mass ordinate for TOPSOIL = 87						
124							
125	240+89.58 EARTH						
126		Common	Exc	165	87	87	1.00
	463	463					
127		Subgrade	Exc	0	0	0	1.00
	0	0					
128		Subsoil	Exc	0	0	0	1.00
	0	0					
129		Fill		0	0	0	1.00
	0	0					463
130	TOPSOIL						
131		Common	Exc	32	17	17	1.00
	104	104					
132		Subgrade	Exc	0	0	0	1.00
	0	0					
133		Subsoil	Exc	0	0	0	1.00
	0	0					
134		Fill		0	0	0	1.00
	0	0					463
135	Mass ordinate for TOPSOIL = 104						
136							
137	241+00.00 EARTH						
138		Common	Exc	173	65	65	1.00
	528	528					
139		Subgrade	Exc	0	0	0	1.00
	0	0					
140		Subsoil	Exc	0	0	0	1.00
	0	0					
141		Fill		0	0	0	1.00
	0	0					528
142	TOPSOIL						
143		Common	Exc	32	12	12	1.00
	116	116					
144		Subgrade	Exc	0	0	0	1.00
	0	0					
145		Subsoil	Exc	0	0	0	1.00
	0	0					
146		Fill		0	0	0	1.00
							528

147		0	0				
148		Mass ordinate for TOPSOIL = 116					
149	241+25.00	EARTH					
150		Common Exc	197	171	171	1.00	
		699	699				
151		Subgrade Exc	0	0	0	1.00	
		0	0				
152		Subsoil Exc	0	0	0	1.00	
		0	0				
153		Fill	0	0	0	1.00	699
		0	0				
154		TOPSOIL					
155		Common Exc	33	30	30	1.00	
		146	146				
156		Subgrade Exc	0	0	0	1.00	
		0	0				
157		Subsoil Exc	0	0	0	1.00	
		0	0				
158		Fill	0	0	0	1.00	699
		0	0				
159		Mass ordinate for TOPSOIL = 146					
160							
161	241+50.00	EARTH					
162		Common Exc	225	195	195	1.00	
		894	894				
163		Subgrade Exc	0	0	0	1.00	
		0	0				
164		Subsoil Exc	0	0	0	1.00	
		0	0				
165		Fill	0	0	0	1.00	894
		0	0				
166		TOPSOIL					
167		Common Exc	34	31	31	1.00	
		177	177				
168		Subgrade Exc	0	0	0	1.00	
		0	0				
169		Subsoil Exc	0	0	0	1.00	
		0	0				
170		Fill	0	0	0	1.00	894
		0	0				
171		Mass ordinate for TOPSOIL = 177					
172							
173	241+75.00	EARTH					
174		Common Exc	255	222	222	1.00	
		1116	1116				
175		Subgrade Exc	0	0	0	1.00	
		0	0				
176		Subsoil Exc	0	0	0	1.00	
		0	0				
177		Fill	0	0	0	1.00	1116
		0	0				
178		TOPSOIL					
179		Common Exc	35	32	32	1.00	
		209	209				
180		Subgrade Exc	0	0	0	1.00	
		0	0				
181		Subsoil Exc	0	0	0	1.00	
		0	0				
182		Fill	0	0	0	1.00	1116
		0	0				
183		Mass ordinate for TOPSOIL = 209					
184							
185	242+00.00	EARTH					
186		Common Exc	320	266	266	1.00	
		1382	1382				

187		Subgrade Exc	0	0	0	1.00	
	0	0					
188		Subsoil Exc	0	0	0	1.00	
	0	0					
189		Fill	0	0	0	1.00	1382
	0	0					
190		TOPSOIL					
191		Common Exc	38	34	34	1.00	
	243	243					
192		Subgrade Exc	0	0	0	1.00	
	0	0					
193		Subsoil Exc	0	0	0	1.00	
	0	0					
194		Fill	0	0	0	1.00	1382
	0	0					
195		Mass ordinate for TOPSOIL = 243					
196							
197	242+15.00	EARTH					
198		Common Exc	358	188	188	1.00	
	1570	1570					
199		Subgrade Exc	0	0	0	1.00	
	0	0					
200		Subsoil Exc	0	0	0	1.00	
	0	0					
201		Fill	1	0	0	1.00	1570
	0	0					
202		TOPSOIL					
203		Common Exc	40	22	22	1.00	
	265	265					
204		Subgrade Exc	0	0	0	1.00	
	0	0					
205		Subsoil Exc	1	0	0	1.00	
	0	0					
206		Fill	0	0	0	1.00	1570
	0	0					
207		Mass ordinate for TOPSOIL = 265					
208							
209	242+25.00	EARTH					
210		Common Exc	387	138	138	1.00	
	1708	1708					
211		Subgrade Exc	0	0	0	1.00	
	0	0					
212		Subsoil Exc	0	0	0	1.00	
	0	0					
213		Fill	1	0	0	1.00	1708
	0	0					
214		TOPSOIL					
215		Common Exc	41	15	15	1.00	
	280	280					
216		Subgrade Exc	0	0	0	1.00	
	0	0					
217		Subsoil Exc	1	0	0	1.00	
	0	0					
218		Fill	0	0	0	1.00	1708
	0	0					
219		Mass ordinate for TOPSOIL = 280					
220							
221	242+50.00	EARTH					
222		Common Exc	371	351	351	1.00	
	2059	2059					
223		Subgrade Exc	0	0	0	1.00	
	0	0					
224		Subsoil Exc	0	0	0	1.00	
	0	0					
225		Fill	0	0	0	1.00	2059
	0	0					

226	TOPSOIL					
227	Common Exc	41	38	38	1.00	
	318	318				
228	Subgrade Exc	0	0	0	1.00	
	0	0				
229	Subsoil Exc	0	0	0	1.00	
	0	0				
230	Fill	0	0	0	1.00	2059
	0	0				
231	Mass ordinate for TOPSOIL = 318					
232						
233	242+75.00 EARTH					
234	Common Exc	342	330	330	1.00	
	2389	2389				
235	Subgrade Exc	0	0	0	1.00	
	0	0				
236	Subsoil Exc	0	0	0	1.00	
	0	0				
237	Fill	1	0	0	1.00	2389
	0	0				
238	TOPSOIL					
239	Common Exc	41	38	38	1.00	
	356	356				
240	Subgrade Exc	0	0	0	1.00	
	0	0				
241	Subsoil Exc	1	0	0	1.00	
	0	0				
242	Fill	0	0	0	1.00	2389
	0	0				
243	Mass ordinate for TOPSOIL = 356					
244						
245	243+00.00 EARTH					
246	Common Exc	339	315	315	1.00	
	2704	2704				
247	Subgrade Exc	0	0	0	1.00	
	0	0				
248	Subsoil Exc	0	0	0	1.00	
	0	0				
249	Fill	0	0	0	1.00	2704
	0	0				
250	TOPSOIL					
251	Common Exc	41	38	38	1.00	
	394	394				
252	Subgrade Exc	0	0	0	1.00	
	0	0				
253	Subsoil Exc	0	0	0	1.00	
	0	0				
254	Fill	0	0	0	1.00	2704
	0	0				
255	Mass ordinate for TOPSOIL = 394					
256						
257	243+25.00 EARTH					
258	Common Exc	320	305	305	1.00	
	3009	3009				
259	Subgrade Exc	0	0	0	1.00	
	0	0				
260	Subsoil Exc	0	0	0	1.00	
	0	0				
261	Fill	0	0	0	1.00	3009
	0	0				
262	TOPSOIL					
263	Common Exc	41	38	38	1.00	
	432	432				
264	Subgrade Exc	0	0	0	1.00	
	0	0				
265	Subsoil Exc	0	0	0	1.00	

266	0	0					
	Fill	0	0	0	1.00	3009	
	0	0					
267	Mass ordinate for TOPSOIL = 432						
268							
269	243+50.00 EARTH						
270	Common Exc	305	289	289	1.00		
	3298	3298					
271	Subgrade Exc	0	0	0	1.00		
	0	0					
272	Subsoil Exc	0	0	0	1.00		
	0	0					
273	Fill	1	0	0	1.00	3298	
	0	0					
274	TOPSOIL						
275	Common Exc	42	38	38	1.00		
	470	470					
276	Subgrade Exc	0	0	0	1.00		
	0	0					
277	Subsoil Exc	1	0	0	1.00		
	0	0					
278	Fill	0	0	0	1.00	3298	
	0	0					
279	Mass ordinate for TOPSOIL = 470						
280							
281	243+75.00 EARTH						
282	Common Exc	293	277	277	1.00		
	3575	3575					
283	Subgrade Exc	0	0	0	1.00		
	0	0					
284	Subsoil Exc	0	0	0	1.00		
	0	0					
285	Fill	1	1	1	1.00	3574	
	1	1					
286	TOPSOIL						
287	Common Exc	45	40	40	1.00		
	510	510					
288	Subgrade Exc	0	0	0	1.00		
	0	0					
289	Subsoil Exc	1	1	1	1.00		
	1	1					
290	Fill	0	0	0	1.00	3574	
	0	0					
291	Mass ordinate for TOPSOIL = 511						
292							
293	244+00.00 EARTH						
294	Common Exc	284	267	267	1.00		
	3842	3842					
295	Subgrade Exc	0	0	0	1.00		
	0	0					
296	Subsoil Exc	0	0	0	1.00		
	0	0					
297	Fill	0	0	0	1.00	3841	
	1	1					
298	TOPSOIL						
299	Common Exc	46	42	42	1.00		
	552	552					
300	Subgrade Exc	0	0	0	1.00		
	0	0					
301	Subsoil Exc	0	0	0	1.00		
	1	1					
302	Fill	0	0	0	1.00	3841	
	0	0					
303	Mass ordinate for TOPSOIL = 553						
304							
305	244+50.00 EARTH						

306		Common Exc	259	503	503	1.00	
		4345	4345				
307		Subgrade Exc	0	0	0	1.00	
		0	0				
308		Subsoil Exc	0	0	0	1.00	
		0	0				
309		Fill	1	1	1	1.00	4343
		2	2				
310		TOPSOIL					
311		Common Exc	50	89	89	1.00	
		641	641				
312		Subgrade Exc	0	0	0	1.00	
		0	0				
313		Subsoil Exc	1	1	1	1.00	
		2	2				
314		Fill	0	0	0	1.00	4343
		0	0				
315		Mass ordinate for TOPSOIL = 643					
316							
317	245+00.00	EARTH					
318		Common Exc	351	565	565	1.00	
		4910	4910				
319		Subgrade Exc	0	0	0	1.00	
		0	0				
320		Subsoil Exc	0	0	0	1.00	
		0	0				
321		Fill	1	2	2	1.00	4906
		4	4				
322		TOPSOIL					
323		Common Exc	62	104	104	1.00	
		745	745				
324		Subgrade Exc	0	0	0	1.00	
		0	0				
325		Subsoil Exc	1	2	2	1.00	
		4	4				
326		Fill	0	0	0	1.00	4906
		0	0				
327		Mass ordinate for TOPSOIL = 749					
328							
329	245+50.00	EARTH					
330		Common Exc	514	801	801	1.00	
		5711	5711				
331		Subgrade Exc	0	0	0	1.00	
		0	0				
332		Subsoil Exc	0	0	0	1.00	
		0	0				
333		Fill	1	2	2	1.00	5705
		6	6				
334		TOPSOIL					
335		Common Exc	78	130	130	1.00	
		875	875				
336		Subgrade Exc	0	0	0	1.00	
		0	0				
337		Subsoil Exc	1	2	2	1.00	
		6	6				
338		Fill	0	0	0	1.00	5705
		0	0				
339		Mass ordinate for TOPSOIL = 881					
340							
341	246+00.00	EARTH					
342		Common Exc	531	968	968	1.00	
		6679	6679				
343		Subgrade Exc	0	0	0	1.00	
		0	0				
344		Subsoil Exc	0	0	0	1.00	
		0	0				

345		Fill	1	2	2	1.00	6671
		8	8				
346		TOPSOIL					
347		Common Exc	70	137	137	1.00	
		1012	1012				
348		Subgrade Exc	0	0	0	1.00	
		0	0				
349		Subsoil Exc	1	2	2	1.00	
		8	8				
350		Fill	0	0	0	1.00	6671
		0	0				
351		Mass ordinate for TOPSOIL = 1020					
352							
353	246+50.00	EARTH					
354		Common Exc	618	1064	1064	1.00	
		7743	7743				
355		Subgrade Exc	0	0	0	1.00	
		0	0				
356		Subsoil Exc	0	0	0	1.00	
		0	0				
357		Fill	1	2	2	1.00	7733
		10	10				
358		TOPSOIL					
359		Common Exc	72	131	131	1.00	
		1143	1143				
360		Subgrade Exc	0	0	0	1.00	
		0	0				
361		Subsoil Exc	1	2	2	1.00	
		10	10				
362		Fill	0	0	0	1.00	7733
		0	0				
363		Mass ordinate for TOPSOIL = 1153					
364							
365	247+00.00	EARTH					
366		Common Exc	726	1244	1244	1.00	
		8987	8987				
367		Subgrade Exc	0	0	0	1.00	
		0	0				
368		Subsoil Exc	0	0	0	1.00	
		0	0				
369		Fill	1	2	2	1.00	8975
		12	12				
370		TOPSOIL					
371		Common Exc	73	134	134	1.00	
		1277	1277				
372		Subgrade Exc	0	0	0	1.00	
		0	0				
373		Subsoil Exc	1	2	2	1.00	
		12	12				
374		Fill	0	0	0	1.00	8975
		0	0				
375		Mass ordinate for TOPSOIL = 1289					
376							
377	247+50.00	EARTH					
378		Common Exc	729	1347	1347	1.00	
		10334	10334				
379		Subgrade Exc	0	0	0	1.00	
		0	0				
380		Subsoil Exc	0	0	0	1.00	
		0	0				
381		Fill	1	2	2	1.00	10320
		14	14				
382		TOPSOIL					
383		Common Exc	74	136	136	1.00	
		1413	1413				
384		Subgrade Exc	0	0	0	1.00	

385	0	0					
	Subsoil	Exc	1	2	2	1.00	
	14	14					
386		Fill	0	0	0	1.00	10320
	0	0					
387	Mass ordinate for TOPSOIL = 1427						
388							
389	248+00.00 EARTH						
390		Common	Exc	613	1243	1243	1.00
	11577	11577					
391		Subgrade	Exc	0	0	0	1.00
	0	0					
392		Subsoil	Exc	0	0	0	1.00
	0	0					
393		Fill	1	2	2	1.00	11561
	16	16					
394	TOPSOIL						
395		Common	Exc	71	134	134	1.00
	1547	1547					
396		Subgrade	Exc	0	0	0	1.00
	0	0					
397		Subsoil	Exc	1	2	2	1.00
	16	16					
398		Fill	0	0	0	1.00	11561
	0	0					
399	Mass ordinate for TOPSOIL = 1563						
400							
401	248+50.00 EARTH						
402		Common	Exc	454	988	988	1.00
	12565	12565					
403		Subgrade	Exc	0	0	0	1.00
	0	0					
404		Subsoil	Exc	0	0	0	1.00
	0	0					
405		Fill	1	2	2	1.00	12547
	18	18					
406	TOPSOIL						
407		Common	Exc	66	127	127	1.00
	1674	1674					
408		Subgrade	Exc	0	0	0	1.00
	0	0					
409		Subsoil	Exc	1	2	2	1.00
	18	18					
410		Fill	0	0	0	1.00	12547
	0	0					
411	Mass ordinate for TOPSOIL = 1692						
412							
413	249+00.00 EARTH						
414		Common	Exc	298	696	696	1.00
	13261	13261					
415		Subgrade	Exc	0	0	0	1.00
	0	0					
416		Subsoil	Exc	0	0	0	1.00
	0	0					
417		Fill	1	2	2	1.00	13241
	20	20					
418	TOPSOIL						
419		Common	Exc	61	118	118	1.00
	1792	1792					
420		Subgrade	Exc	0	0	0	1.00
	0	0					
421		Subsoil	Exc	1	2	2	1.00
	20	20					
422		Fill	0	0	0	1.00	13241
	0	0					
423	Mass ordinate for TOPSOIL = 1812						

424							
425	249+17.80	EARTH					
426		Common Exc	250	181	181	1.00	
		13442	13442				
427		Subgrade Exc	0	0	0	1.00	
		0	0				
428		Subsoil Exc	0	0	0	1.00	
		0	0				
429		Fill	1	1	1	1.00	13421
		21	21				
430		TOPSOIL					
431		Common Exc	60	40	40	1.00	
		1832	1832				
432		Subgrade Exc	0	0	0	1.00	
		0	0				
433		Subsoil Exc	1	1	1	1.00	
		21	21				
434		Fill	0	0	0	1.00	13421
		0	0				
435		Mass ordinate for TOPSOIL = 1853					
436							
437	249+50.00	EARTH					
438		Common Exc	182	258	258	1.00	
		13700	13700				
439		Subgrade Exc	0	0	0	1.00	
		0	0				
440		Subsoil Exc	0	0	0	1.00	
		0	0				
441		Fill	5	4	4	1.00	13675
		25	25				
442		TOPSOIL					
443		Common Exc	54	68	68	1.00	
		1900	1900				
444		Subgrade Exc	0	0	0	1.00	
		0	0				
445		Subsoil Exc	5	4	4	1.00	
		25	25				
446		Fill	0	0	0	1.00	13675
		0	0				
447		Mass ordinate for TOPSOIL = 1925					
448							
449	250+00.00	EARTH					
450		Common Exc	107	268	268	1.00	
		13968	13968				
451		Subgrade Exc	0	0	0	1.00	
		0	0				
452		Subsoil Exc	0	0	0	1.00	
		0	0				
453		Fill	15	19	19	1.00	13924
		44	44				
454		TOPSOIL					
455		Common Exc	42	89	89	1.00	
		1989	1989				
456		Subgrade Exc	0	0	0	1.00	
		0	0				
457		Subsoil Exc	13	17	17	1.00	
		42	42				
458		Fill	0	0	0	1.00	13924
		0	0				
459		Mass ordinate for TOPSOIL = 2031					
460							
461	250+50.00	EARTH					
462		Common Exc	46	142	142	1.00	
		14110	14110				
463		Subgrade Exc	0	0	0	1.00	
		0	0				

464		Subsoil Exc	0	0	0	1.00	
		0	0				
465		Fill	54	64	64	1.00	14002
		108	108				
466		TOPSOIL					
467		Common Exc	26	63	63	1.00	
		2052	2052				
468		Subgrade Exc	0	0	0	1.00	
		0	0				
469		Subsoil Exc	27	37	37	1.00	
		79	79				
470		Fill	0	0	0	1.00	14002
		0	0				
471		Mass ordinate for TOPSOIL = 2131					
472							
473	251+00.00	EARTH					
474		Common Exc	14	56	56	1.00	
		14166	14166				
475		Subgrade Exc	0	0	0	1.00	
		0	0				
476		Subsoil Exc	0	0	0	1.00	
		0	0				
477		Fill	110	152	152	1.00	13906
		260	260				
478		TOPSOIL					
479		Common Exc	9	32	32	1.00	
		2084	2084				
480		Subgrade Exc	0	0	0	1.00	
		0	0				
481		Subsoil Exc	32	55	55	1.00	
		134	134				
482		Fill	0	0	0	1.00	13906
		0	0				
483		Mass ordinate for TOPSOIL = 2218					
484							
485	251+32.80	EARTH					
486		Common Exc	12	16	16	1.00	
		14182	14182				
487		Subgrade Exc	0	0	0	1.00	
		0	0				
488		Subsoil Exc	0	0	0	1.00	
		0	0				
489		Fill	102	129	129	1.00	13793
		389	389				
490		TOPSOIL					
491		Common Exc	9	11	11	1.00	
		2095	2095				
492		Subgrade Exc	0	0	0	1.00	
		0	0				
493		Subsoil Exc	28	36	36	1.00	
		170	170				
494		Fill	0	0	0	1.00	13793
		0	0				
495		Mass ordinate for TOPSOIL = 2265					
496							
497	251+50.00	EARTH					
498		Common Exc	9	7	7	1.00	
		14189	14189				
499		Subgrade Exc	0	0	0	1.00	
		0	0				
500		Subsoil Exc	0	0	0	1.00	
		0	0				
501		Fill	102	65	65	1.00	13735
		454	454				
502		TOPSOIL					
503		Common Exc	8	5	5	1.00	

	2100	2100					
504	Subgrade Exc	0	0	0	0	1.00	
	0	0					
505	Subsoil Exc	27	18	18	18	1.00	
	188	188					
506	Fill	0	0	0	0	1.00	13735
	0	0					
507	Mass ordinate for TOPSOIL = 2288						
508							
509	252+00.00 EARTH						
510	Common Exc	2	10	10	10	1.00	
	14199	14199					
511	Subgrade Exc	0	0	0	0	1.00	
	0	0					
512	Subsoil Exc	0	0	0	0	1.00	
	0	0					
513	Fill	105	192	192	192	1.00	13553
	646	646					
514	TOPSOIL						
515	Common Exc	5	12	12	12	1.00	
	2112	2112					
516	Subgrade Exc	0	0	0	0	1.00	
	0	0					
517	Subsoil Exc	27	50	50	50	1.00	
	238	238					
518	Fill	0	0	0	0	1.00	13553
	0	0					
519	Mass ordinate for TOPSOIL = 2350						
520							
521	252+50.00 EARTH						
522	Common Exc	3	5	5	5	1.00	
	14204	14204					
523	Subgrade Exc	0	0	0	0	1.00	
	0	0					
524	Subsoil Exc	0	0	0	0	1.00	
	0	0					
525	Fill	101	191	191	191	1.00	13367
	837	837					
526	TOPSOIL						
527	Common Exc	5	9	9	9	1.00	
	2121	2121					
528	Subgrade Exc	0	0	0	0	1.00	
	0	0					
529	Subsoil Exc	26	49	49	49	1.00	
	287	287					
530	Fill	0	0	0	0	1.00	13367
	0	0					
531	Mass ordinate for TOPSOIL = 2408						
532							
533	253+00.00 EARTH						
534	Common Exc	0	3	3	3	1.00	
	14207	14207					
535	Subgrade Exc	0	0	0	0	1.00	
	0	0					
536	Subsoil Exc	0	0	0	0	1.00	
	0	0					
537	Fill	133	217	217	217	1.00	13153
	1054	1054					
538	TOPSOIL						
539	Common Exc	2	6	6	6	1.00	
	2127	2127					
540	Subgrade Exc	0	0	0	0	1.00	
	0	0					
541	Subsoil Exc	28	50	50	50	1.00	
	337	337					
542	Fill	0	0	0	0	1.00	13153

543	0	0	Mass ordinate for TOPSOIL = 2464			
544						
545	253+16.28	EARTH				
546	Common Exc	0	0	0	1.00	
	14207	14207				
547	Subgrade Exc	0	0	0	1.00	
	0	0				
548	Subsoil Exc	0	0	0	1.00	
	0	0				
549	Fill	142	83	83	1.00	13070
	1137	1137				
550	TOPSOIL					
551	Common Exc	0	1	1	1.00	
	2128	2128				
552	Subgrade Exc	0	0	0	1.00	
	0	0				
553	Subsoil Exc	30	17	17	1.00	
	354	354				
554	Fill	0	0	0	1.00	13070
	0	0				
555	Mass ordinate for TOPSOIL = 2482					
556						
557	253+50.00	EARTH				
558	Common Exc	0	0	0	1.00	
	14207	14207				
559	Subgrade Exc	0	0	0	1.00	
	0	0				
560	Subsoil Exc	0	0	0	1.00	
	0	0				
561	Fill	208	219	219	1.00	12851
	1356	1356				
562	TOPSOIL					
563	Common Exc	0	0	0	1.00	
	2128	2128				
564	Subgrade Exc	0	0	0	1.00	
	0	0				
565	Subsoil Exc	31	38	38	1.00	
	392	392				
566	Fill	0	0	0	1.00	12851
	0	0				
567	Mass ordinate for TOPSOIL = 2520					
568						
569	254+00.00	EARTH				
570	Common Exc	0	0	0	1.00	
	14207	14207				
571	Subgrade Exc	0	0	0	1.00	
	0	0				
572	Subsoil Exc	0	0	0	1.00	
	0	0				
573	Fill	261	434	434	1.00	12417
	1790	1790				
574	TOPSOIL					
575	Common Exc	0	0	0	1.00	
	2128	2128				
576	Subgrade Exc	0	0	0	1.00	
	0	0				
577	Subsoil Exc	34	60	60	1.00	
	452	452				
578	Fill	0	0	0	1.00	12417
	0	0				
579	Mass ordinate for TOPSOIL = 2580					
580						
581	254+50.00	EARTH				
582	Common Exc	0	0	0	1.00	
	14207	14207				

583	Subgrade Exc	0	0	0	1.00	
	0	0				
584	Subsoil Exc	0	0	0	1.00	
	0	0				
585	Fill	366	581	581	1.00	11836
	2371	2371				
586	TOPSOIL					
587	Common Exc	0	0	0	1.00	
	2128	2128				
588	Subgrade Exc	0	0	0	1.00	
	0	0				
589	Subsoil Exc	36	65	65	1.00	
	517	517				
590	Fill	0	0	0	1.00	11836
	0	0				
591	Mass ordinate for TOPSOIL = 2645					
592						
593	255+00.00 EARTH					
594	Common Exc	0	0	0	1.00	
	14207	14207				
595	Subgrade Exc	0	0	0	1.00	
	0	0				
596	Subsoil Exc	0	0	0	1.00	
	0	0				
597	Fill	267	586	586	1.00	11250
	2957	2957				
598	TOPSOIL					
599	Common Exc	0	0	0	1.00	
	2128	2128				
600	Subgrade Exc	0	0	0	1.00	
	0	0				
601	Subsoil Exc	35	66	66	1.00	
	583	583				
602	Fill	0	0	0	1.00	11250
	0	0				
603	Mass ordinate for TOPSOIL = 2711					
604						
605	255+44.04 EARTH					
606	Common Exc	0	0	0	1.00	
	14207	14207				
607	Subgrade Exc	0	0	0	1.00	
	0	0				
608	Subsoil Exc	0	0	0	1.00	
	0	0				
609	Fill	259	429	429	1.00	10821
	3386	3386				
610	TOPSOIL					
611	Common Exc	0	0	0	1.00	
	2128	2128				
612	Subgrade Exc	0	0	0	1.00	
	0	0				
613	Subsoil Exc	34	56	56	1.00	
	639	639				
614	Fill	0	0	0	1.00	10821
	0	0				
615	Mass ordinate for TOPSOIL = 2767					
616						
617	255+50.00 EARTH					
618	Common Exc	0	0	0	1.00	
	14207	14207				
619	Subgrade Exc	0	0	0	1.00	
	0	0				
620	Subsoil Exc	0	0	0	1.00	
	0	0				
621	Fill	258	57	57	1.00	10764
	3443	3443				

622	TOPSOIL						
623	Common Exc	0	0	0	1.00		
	2128	2128					
624	Subgrade Exc	0	0	0	1.00		
	0	0					
625	Subsoil Exc	34	8	8	1.00		
	647	647					
626	Fill	0	0	0	1.00	10764	
	0	0					
627	Mass ordinate for TOPSOIL = 2775						
628							
629	256+00.00 EARTH						
630	Common Exc	0	0	0	1.00		
	14207	14207					
631	Subgrade Exc	0	0	0	1.00		
	0	0					
632	Subsoil Exc	0	0	0	1.00		
	0	0					
633	Fill	269	488	488	1.00	10276	
	3931	3931					
634	TOPSOIL						
635	Common Exc	0	0	0	1.00		
	2128	2128					
636	Subgrade Exc	0	0	0	1.00		
	0	0					
637	Subsoil Exc	34	63	63	1.00		
	710	710					
638	Fill	0	0	0	1.00	10276	
	0	0					
639	Mass ordinate for TOPSOIL = 2838						
640							
641	256+50.00 EARTH						
642	Common Exc	0	0	0	1.00		
	14207	14207					
643	Subgrade Exc	0	0	0	1.00		
	0	0					
644	Subsoil Exc	0	0	0	1.00		
	0	0					
645	Fill	311	537	537	1.00	9739	
	4468	4468					
646	TOPSOIL						
647	Common Exc	0	0	0	1.00		
	2128	2128					
648	Subgrade Exc	0	0	0	1.00		
	0	0					
649	Subsoil Exc	36	65	65	1.00		
	775	775					
650	Fill	0	0	0	1.00	9739	
	0	0					
651	Mass ordinate for TOPSOIL = 2903						
652							
653	257+00.00 EARTH						
654	Common Exc	0	0	0	1.00		
	14207	14207					
655	Subgrade Exc	0	0	0	1.00		
	0	0					
656	Subsoil Exc	0	0	0	1.00		
	0	0					
657	Fill	376	636	636	1.00	9103	
	5104	5104					
658	TOPSOIL						
659	Common Exc	0	0	0	1.00		
	2128	2128					
660	Subgrade Exc	0	0	0	1.00		
	0	0					
661	Subsoil Exc	42	72	72	1.00		

662	847	847					
	Fill		0	0	0	1.00	9103
	0	0					
663	Mass ordinate for TOPSOIL = 2975						
664							
665	257+09.78 EARTH						
666	Common Exc		0	0	0	1.00	
	14207	14207					
667	Subgrade Exc		0	0	0	1.00	
	0	0					
668	Subsoil Exc		0	0	0	1.00	
	0	0					
669	Fill		399	140	140	1.00	8963
	5244	5244					
670	TOPSOIL						
671	Common Exc		0	0	0	1.00	
	2128	2128					
672	Subgrade Exc		0	0	0	1.00	
	0	0					
673	Subsoil Exc		44	16	16	1.00	
	863	863					
674	Fill		0	0	0	1.00	8963
	0	0					
675	Mass ordinate for TOPSOIL = 2991						
676							
677	257+50.00 EARTH						
678	Common Exc		17	13	13	1.00	
	14220	14220					
679	Subgrade Exc		0	0	0	1.00	
	0	0					
680	Subsoil Exc		0	0	0	1.00	
	0	0					
681	Fill		95	368	368	1.00	8608
	5612	5612					
682	TOPSOIL						
683	Common Exc		10	7	7	1.00	
	2135	2135					
684	Subgrade Exc		0	0	0	1.00	
	0	0					
685	Subsoil Exc		33	57	57	1.00	
	920	920					
686	Fill		0	0	0	1.00	8608
	0	0					

687 Mass ordinate for TOPSOIL = 3055

688	G R A N D S U M M A R Y T O T A L S				
689	Material Name		Unadjusted	Adjusted	Mult
690			Volumes	Volumes	Factor
691			(cu. yd.)	(cu. yd.)	
692	-----				
693	EARTH				
694	Common Exc		14220	14220	1.00
695	Subgrade Exc		0	0	1.00
696	Subsoil Exc		0	0	1.00
697	Fill		5612	5612	1.00
698	TOPSOIL				
699	Common Exc		2135	2135	1.00
700	Subgrade Exc		0	0	1.00
701	Subsoil Exc		920	920	1.00
702	Fill		0	0	1.00

703 S P L I T S U M M A R Y T O T A L

704		XS Quant	XS Quant	Add/Sub Quant	Add/Sub
		Quant			Quant
705	Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted
	Mult				
706		Volume	Volume	Volume	Volume

707			Factor (cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.
708			yd.)			

709	EARTH					
710		Common Exc	14220	14220	0	0
		1.00				
711		Subgrade Exc	0	0	0	0
		1.00				
712		Subsoil Exc	0	0	0	0
		1.00				
713		Fill	5612	5612	0	0
		1.00				
714	TOPSOIL					
715		Common Exc	2135	2135	0	0
		1.00				
716		Subgrade Exc	0	0	0	0
		1.00				
717		Subsoil Exc	920	920	0	0
		1.00				
718		Fill	0	0	0	0
		1.00				
719						

```

1 Input File: ewkprj.inp
2 Output File: Ramp3_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Ramp3.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 co = 2,6-8,16,18
22 1 20 20
23 1 21 21 Existing Ground Line
24 1 22 22 soil type = Earth
25 1 23 23 roadway exc mult factor = 1.000000
26 1 24 24 subsoil exc mult factor = 1.000000
27 1 25 25 fill mult factor = 1.000000
28 1 26 26 type = line, line_string
29 1 27 27 lvname = SURVEY - GROUND - Top of Ground
30 1 28 28 co = 0
31 1 29 29
32 1 30 30 Existing Unsuitable Material
33 1 31 31 soil type = Topsoil
34 1 32 32 roadway exc mult factor = 1.000000
35 1 33 33 subsoil exc mult factor = 1.000000
36 1 34 34 fill mult factor = 1.000000
37 1 35 35 type = line, line_string
38 1 36 36 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
39 1 37 37 co = 2
40 1 38 38
41 1 39 39 Excavation Limit
42 1 40 40 type = line
43 1 41 41 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
44 1 42 42 co = 0
45 1 43 43
46 1 44 44 Write Earthwork Shapes
47 1 45 45 plot param
48 1 46 46 lv = 347
49 1 47 47 lvname = DESIGN - EARTHWORK - Shapes
50 1 48 48 co = 2
51 1 49 49 wt = 0
52 1 50 50 lc = 0
53 1 51 51 Stratify Shape Color
54 1 52 52
55 1 53 53
56 1 54 54 Add Accumulated Adjusted Volume Column
57 1 55 55
58 1 56 56 Add Accumulated Unadjusted Volume Column
59 1 57 57
60 1 58 58 End Area Decimal Places = 0
61 1 59 59
62 1 60 60 Process Earthwork for Baseline = RAMP3
63 1 61 61 job number = 32n
64 1 62 62
65 1 63 63 beg sta = 260+00.00 R 1

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66      1      64      64      end sta = 272+25
67      0      0      65 END_OF_FILE
68 COMPUTING EARTHWORKS FOR BASELINE = RAMP3
69 COMPUTING EARTHWORKS FOR JOB = 32N
70 FORMING LIST OF XSCHELLS
71 BEGINNING EARTHWORKS COMPUTATION
72

```

		Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass		
		Accum	Accum						
Station				Volumes	Volumes	Factor	Ordinate	Unadj	
Vol	Adj	Vol							
			(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu.	
			yd.) (cu. yd.)					yd.)	

260+00.00		EARTH							
		Common Exc	172	0	0	1.00			
		0	0						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	1	0	0	1.00	0		
		0	0						
		TOPSOIL							
		Common Exc	57	0	0	1.00			
		0	0						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	1	0	0	1.00			
		0	0						
		Fill	0	0	0	1.00	0		
		0	0						
		Mass ordinate for TOPSOIL = 0							
260+50.00		EARTH							
		Common Exc	6	165	165	1.00			
		165	165						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	56	53	53	1.00	112		
		53	53						
		TOPSOIL							
		Common Exc	7	59	59	1.00			
		59	59						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	1	1	1.00			
		1	1						
		Fill	0	0	0	1.00	112		
		0	0						
		Mass ordinate for TOPSOIL = 60							
261+00.00		EARTH							
		Common Exc	0	6	6	1.00			
		171	171						
		Subgrade Exc	0	0	0	1.00			
		0	0						
		Subsoil Exc	0	0	0	1.00			
		0	0						
		Fill	371	395	395	1.00	-277		
		448	448						
		TOPSOIL							
		Common Exc	0	6	6	1.00			

108	65	65					
	Subgrade	Exc	0	0	0	1.00	
109	0	0					
	Subsoil	Exc	41	38	38	1.00	
	39	39					
110	Fill		0	0	0	1.00	-277
	0	0					
111	Mass ordinate for TOPSOIL = 104						
112							
113	261+50.00 EARTH						
114	Common	Exc	0	0	0	1.00	
	171	171					
115	Subgrade	Exc	0	0	0	1.00	
	0	0					
116	Subsoil	Exc	0	0	0	1.00	
	0	0					
117	Fill		303	624	624	1.00	-901
	1072	1072					
118	TOPSOIL						
119	Common	Exc	0	0	0	1.00	
	65	65					
120	Subgrade	Exc	0	0	0	1.00	
	0	0					
121	Subsoil	Exc	37	72	72	1.00	
	111	111					
122	Fill		0	0	0	1.00	-901
	0	0					
123	Mass ordinate for TOPSOIL = 176						
124							
125	261+73.37 EARTH						
126	Common	Exc	0	0	0	1.00	
	171	171					
127	Subgrade	Exc	0	0	0	1.00	
	0	0					
128	Subsoil	Exc	0	0	0	1.00	
	0	0					
129	Fill		289	256	256	1.00	-1157
	1328	1328					
130	TOPSOIL						
131	Common	Exc	0	0	0	1.00	
	65	65					
132	Subgrade	Exc	0	0	0	1.00	
	0	0					
133	Subsoil	Exc	36	32	32	1.00	
	143	143					
134	Fill		0	0	0	1.00	-1157
	0	0					
135	Mass ordinate for TOPSOIL = 208						
136							
137	262+00.00 EARTH						
138	Common	Exc	0	0	0	1.00	
	171	171					
139	Subgrade	Exc	0	0	0	1.00	
	0	0					
140	Subsoil	Exc	0	0	0	1.00	
	0	0					
141	Fill		280	281	281	1.00	-1438
	1609	1609					
142	TOPSOIL						
143	Common	Exc	0	0	0	1.00	
	65	65					
144	Subgrade	Exc	0	0	0	1.00	
	0	0					
145	Subsoil	Exc	35	35	35	1.00	
	178	178					
146	Fill		0	0	0	1.00	-1438

147	0	0	Mass ordinate for TOPSOIL = 243			
148						
149	262+37.72	EARTH				
150	Common Exc	0	0	0	1.00	
	171	171				
151	Subgrade Exc	0	0	0	1.00	
	0	0				
152	Subsoil Exc	0	0	0	1.00	
	0	0				
153	Fill	274	387	387	1.00	-1825
	1996	1996				
154	TOPSOIL					
155	Common Exc	0	0	0	1.00	
	65	65				
156	Subgrade Exc	0	0	0	1.00	
	0	0				
157	Subsoil Exc	35	49	49	1.00	
	227	227				
158	Fill	0	0	0	1.00	-1825
	0	0				
159	Mass ordinate for TOPSOIL = 292					
160						
161	262+50.00	EARTH				
162	Common Exc	0	0	0	1.00	
	171	171				
163	Subgrade Exc	0	0	0	1.00	
	0	0				
164	Subsoil Exc	0	0	0	1.00	
	0	0				
165	Fill	268	123	123	1.00	-1948
	2119	2119				
166	TOPSOIL					
167	Common Exc	0	0	0	1.00	
	65	65				
168	Subgrade Exc	0	0	0	1.00	
	0	0				
169	Subsoil Exc	35	16	16	1.00	
	243	243				
170	Fill	0	0	0	1.00	-1948
	0	0				
171	Mass ordinate for TOPSOIL = 308					
172						
173	263+00.00	EARTH				
174	Common Exc	0	0	0	1.00	
	171	171				
175	Subgrade Exc	0	0	0	1.00	
	0	0				
176	Subsoil Exc	0	0	0	1.00	
	0	0				
177	Fill	245	475	475	1.00	-2423
	2594	2594				
178	TOPSOIL					
179	Common Exc	0	0	0	1.00	
	65	65				
180	Subgrade Exc	0	0	0	1.00	
	0	0				
181	Subsoil Exc	33	63	63	1.00	
	306	306				
182	Fill	0	0	0	1.00	-2423
	0	0				
183	Mass ordinate for TOPSOIL = 371					
184						
185	263+50.00	EARTH				
186	Common Exc	0	0	0	1.00	
	171	171				

187		Subgrade Exc	0	0	0	1.00	
	0	0					
188		Subsoil Exc	0	0	0	1.00	
	0	0					
189		Fill	350	551	551	1.00	-2974
		3145	3145				
190		TOPSOIL					
191		Common Exc	0	0	0	1.00	
	65	65					
192		Subgrade Exc	0	0	0	1.00	
	0	0					
193		Subsoil Exc	37	65	65	1.00	
	371	371					
194		Fill	0	0	0	1.00	-2974
	0	0					
195		Mass ordinate for TOPSOIL = 436					
196							
197	264+00.00	EARTH					
198		Common Exc	0	0	0	1.00	
		171	171				
199		Subgrade Exc	0	0	0	1.00	
	0	0					
200		Subsoil Exc	0	0	0	1.00	
	0	0					
201		Fill	271	575	575	1.00	-3549
		3720	3720				
202		TOPSOIL					
203		Common Exc	0	0	0	1.00	
	65	65					
204		Subgrade Exc	0	0	0	1.00	
	0	0					
205		Subsoil Exc	37	69	69	1.00	
	440	440					
206		Fill	0	0	0	1.00	-3549
	0	0					
207		Mass ordinate for TOPSOIL = 505					
208							
209	264+50.00	EARTH					
210		Common Exc	0	0	0	1.00	
		171	171				
211		Subgrade Exc	0	0	0	1.00	
	0	0					
212		Subsoil Exc	0	0	0	1.00	
	0	0					
213		Fill	249	481	481	1.00	-4030
		4201	4201				
214		TOPSOIL					
215		Common Exc	0	0	0	1.00	
	65	65					
216		Subgrade Exc	0	0	0	1.00	
	0	0					
217		Subsoil Exc	37	69	69	1.00	
	509	509					
218		Fill	0	0	0	1.00	-4030
	0	0					
219		Mass ordinate for TOPSOIL = 574					
220							
221	265+00.00	EARTH					
222		Common Exc	0	0	0	1.00	
		171	171				
223		Subgrade Exc	0	0	0	1.00	
	0	0					
224		Subsoil Exc	0	0	0	1.00	
	0	0					
225		Fill	254	466	466	1.00	-4496
		4667	4667				

226	TOPSOIL						
227	Common Exc	0	0	0	1.00		
	65	65					
228	Subgrade Exc	0	0	0	1.00		
	0	0					
229	Subsoil Exc	37	69	69	1.00		
	578	578					
230	Fill	0	0	0	1.00	-4496	
	0	0					
231	Mass ordinate for TOPSOIL = 643						
232							
233	265+50.00 EARTH						
234	Common Exc	0	0	0	1.00		
	171	171					
235	Subgrade Exc	0	0	0	1.00		
	0	0					
236	Subsoil Exc	0	0	0	1.00		
	0	0					
237	Fill	328	539	539	1.00	-5035	
	5206	5206					
238	TOPSOIL						
239	Common Exc	0	0	0	1.00		
	65	65					
240	Subgrade Exc	0	0	0	1.00		
	0	0					
241	Subsoil Exc	39	70	70	1.00		
	648	648					
242	Fill	0	0	0	1.00	-5035	
	0	0					
243	Mass ordinate for TOPSOIL = 713						
244							
245	266+00.00 EARTH						
246	Common Exc	0	0	0	1.00		
	171	171					
247	Subgrade Exc	0	0	0	1.00		
	0	0					
248	Subsoil Exc	0	0	0	1.00		
	0	0					
249	Fill	424	696	696	1.00	-5731	
	5902	5902					
250	TOPSOIL						
251	Common Exc	0	0	0	1.00		
	65	65					
252	Subgrade Exc	0	0	0	1.00		
	0	0					
253	Subsoil Exc	46	79	79	1.00		
	727	727					
254	Fill	0	0	0	1.00	-5731	
	0	0					
255	Mass ordinate for TOPSOIL = 792						
256							
257	266+50.00 EARTH						
258	Common Exc	0	0	0	1.00		
	171	171					
259	Subgrade Exc	0	0	0	1.00		
	0	0					
260	Subsoil Exc	0	0	0	1.00		
	0	0					
261	Fill	480	837	837	1.00	-6568	
	6739	6739					
262	TOPSOIL						
263	Common Exc	1	1	1	1.00		
	66	66					
264	Subgrade Exc	0	0	0	1.00		
	0	0					
265	Subsoil Exc	46	85	85	1.00		

266	812	812					
	Fill		0	0	0	1.00	-6568
	0	0					
267	Mass ordinate for TOPSOIL = 878						
268							
269	267+00.00 EARTH						
270	Common Exc		0	0	0	1.00	
	171	171					
271	Subgrade Exc		0	0	0	1.00	
	0	0					
272	Subsoil Exc		0	0	0	1.00	
	0	0					
273	Fill		554	957	957	1.00	-7525
	7696	7696					
274	TOPSOIL						
275	Common Exc		0	1	1	1.00	
	67	67					
276	Subgrade Exc		0	0	0	1.00	
	0	0					
277	Subsoil Exc		49	88	88	1.00	
	900	900					
278	Fill		0	0	0	1.00	-7525
	0	0					
279	Mass ordinate for TOPSOIL = 967						
280							
281	267+50.00 EARTH						
282	Common Exc		0	0	0	1.00	
	171	171					
283	Subgrade Exc		0	0	0	1.00	
	0	0					
284	Subsoil Exc		0	0	0	1.00	
	0	0					
285	Fill		647	1112	1112	1.00	-8637
	8808	8808					
286	TOPSOIL						
287	Common Exc		0	0	0	1.00	
	67	67					
288	Subgrade Exc		0	0	0	1.00	
	0	0					
289	Subsoil Exc		52	94	94	1.00	
	994	994					
290	Fill		0	0	0	1.00	-8637
	0	0					
291	Mass ordinate for TOPSOIL = 1061						
292							
293	268+00.00 EARTH						
294	Common Exc		0	0	0	1.00	
	171	171					
295	Subgrade Exc		0	0	0	1.00	
	0	0					
296	Subsoil Exc		0	0	0	1.00	
	0	0					
297	Fill		729	1274	1274	1.00	-9911
	10082	10082					
298	TOPSOIL						
299	Common Exc		0	0	0	1.00	
	67	67					
300	Subgrade Exc		0	0	0	1.00	
	0	0					
301	Subsoil Exc		55	99	99	1.00	
	1093	1093					
302	Fill		0	0	0	1.00	-9911
	0	0					
303	Mass ordinate for TOPSOIL = 1160						
304							
305	268+50.00 EARTH						

306		Common Exc	0	0	0	1.00	
		171	171				
307		Subgrade Exc	0	0	0	1.00	
		0	0				
308		Subsoil Exc	0	0	0	1.00	
		0	0				
309		Fill	835	1448	1448	1.00	-11359
		11530	11530				
310		TOPSOIL					
311		Common Exc	0	0	0	1.00	
		67	67				
312		Subgrade Exc	0	0	0	1.00	
		0	0				
313		Subsoil Exc	60	106	106	1.00	
		1199	1199				
314		Fill	0	0	0	1.00	-11359
		0	0				
315		Mass ordinate for TOPSOIL = 1266					
316							
317	269+00.00	EARTH					
318		Common Exc	0	0	0	1.00	
		171	171				
319		Subgrade Exc	0	0	0	1.00	
		0	0				
320		Subsoil Exc	0	0	0	1.00	
		0	0				
321		Fill	916	1621	1621	1.00	-12980
		13151	13151				
322		TOPSOIL					
323		Common Exc	0	0	0	1.00	
		67	67				
324		Subgrade Exc	0	0	0	1.00	
		0	0				
325		Subsoil Exc	64	115	115	1.00	
		1314	1314				
326		Fill	0	0	0	1.00	-12980
		0	0				
327		Mass ordinate for TOPSOIL = 1381					
328							
329	269+50.00	EARTH					
330		Common Exc	0	0	0	1.00	
		171	171				
331		Subgrade Exc	0	0	0	1.00	
		0	0				
332		Subsoil Exc	0	0	0	1.00	
		0	0				
333		Fill	962	1739	1739	1.00	-14719
		14890	14890				
334		TOPSOIL					
335		Common Exc	0	0	0	1.00	
		67	67				
336		Subgrade Exc	0	0	0	1.00	
		0	0				
337		Subsoil Exc	63	118	118	1.00	
		1432	1432				
338		Fill	0	0	0	1.00	-14719
		0	0				
339		Mass ordinate for TOPSOIL = 1499					
340							
341	270+00.00	EARTH					
342		Common Exc	0	0	0	1.00	
		171	171				
343		Subgrade Exc	0	0	0	1.00	
		0	0				
344		Subsoil Exc	0	0	0	1.00	
		0	0				

345		Fill	1111	1919	1919	1.00	-16638
		16809	16809				
346	TOPSOIL						
347	Common Exc	0	0	0	1.00		
	67	67					
348	Subgrade Exc	0	0	0	1.00		
	0	0					
349	Subsoil Exc	62	116	116	1.00		
	1548	1548					
350	Fill	0	0	0	1.00	-16638	
	0	0					
351	Mass ordinate for TOPSOIL = 1615						
352							
353	270+50.00 EARTH						
354	Common Exc	0	0	0	1.00		
	171	171					
355	Subgrade Exc	0	0	0	1.00		
	0	0					
356	Subsoil Exc	0	0	0	1.00		
	0	0					
357	Fill	1338	2268	2268	1.00	-18906	
	19077	19077					
358	TOPSOIL						
359	Common Exc	0	0	0	1.00		
	67	67					
360	Subgrade Exc	0	0	0	1.00		
	0	0					
361	Subsoil Exc	58	111	111	1.00		
	1659	1659					
362	Fill	0	0	0	1.00	-18906	
	0	0					
363	Mass ordinate for TOPSOIL = 1726						
364							
365	270+75.00 EARTH						
366	Common Exc	0	0	0	1.00		
	171	171					
367	Subgrade Exc	0	0	0	1.00		
	0	0					
368	Subsoil Exc	0	0	0	1.00		
	0	0					
369	Fill	1378	1257	1257	1.00	-20163	
	20334	20334					
370	TOPSOIL						
371	Common Exc	0	0	0	1.00		
	67	67					
372	Subgrade Exc	0	0	0	1.00		
	0	0					
373	Subsoil Exc	56	53	53	1.00		
	1712	1712					
374	Fill	0	0	0	1.00	-20163	
	0	0					
375	Mass ordinate for TOPSOIL = 1779						
376							
377	271+00.00 EARTH						
378	Common Exc	0	0	0	1.00		
	171	171					
379	Subgrade Exc	0	0	0	1.00		
	0	0					
380	Subsoil Exc	0	0	0	1.00		
	0	0					
381	Fill	1283	1232	1232	1.00	-21395	
	21566	21566					
382	TOPSOIL						
383	Common Exc	0	0	0	1.00		
	67	67					
384	Subgrade Exc	0	0	0	1.00		

424							
425	271+75.00	EARTH					
426		Common Exc	0	0	0	1.00	
		171	171				
427		Subgrade Exc	0	0	0	1.00	
		0	0				
428		Subsoil Exc	0	0	0	1.00	
		0	0				
429		Fill	1770	1563	1563	1.00	-25654
		25825	25825				
430		TOPSOIL					
431		Common Exc	0	0	0	1.00	
		67	67				
432		Subgrade Exc	0	0	0	1.00	
		0	0				
433		Subsoil Exc	54	50	50	1.00	
		1906	1906				
434		Fill	0	0	0	1.00	-25654
		0	0				
435		Mass ordinate for TOPSOIL = 1973					
436							

437	272+00.00	EARTH					
438		Common Exc	0	0	0	1.00	
		171	171				
439		Subgrade Exc	0	0	0	1.00	
		0	0				
440		Subsoil Exc	0	0	0	1.00	
		0	0				
441		Fill	1589	1555	1555	1.00	-27209
		27380	27380				
442		TOPSOIL					
443		Common Exc	0	0	0	1.00	
		67	67				
444		Subgrade Exc	0	0	0	1.00	
		0	0				
445		Subsoil Exc	44	45	45	1.00	
		1951	1951				
446		Fill	0	0	0	1.00	-27209
		0	0				
447		Mass ordinate for TOPSOIL = 2018					
448							

449	272+25.00	EARTH					
450		Common Exc	0	0	0	1.00	
		171	171				
451		Subgrade Exc	0	0	0	1.00	
		0	0				
452		Subsoil Exc	0	0	0	1.00	
		0	0				
453		Fill	1611	1481	1481	1.00	-28690
		28861	28861				
454		TOPSOIL					
455		Common Exc	0	0	0	1.00	
		67	67				
456		Subgrade Exc	0	0	0	1.00	
		0	0				
457		Subsoil Exc	0	20	20	1.00	
		1971	1971				
458		Fill	0	0	0	1.00	-28690
		0	0				
459		Mass ordinate for TOPSOIL = 2038					

FF

460		G R A N D	S U M M A R Y	T O T A L S	
461		Material Name	Unadjusted	Adjusted	Mult
462			Volumes	Volumes	Factor
463			(cu. yd.)	(cu. yd.)	
464		-----	-----	-----	-----
465		EARTH			

466		Common	Exc	171	171	1.00
467		Subgrade	Exc	0	0	1.00
468		Subsoil	Exc	0	0	1.00
469		Fill		28861	28861	1.00
470	TOPSOIL					
471		Common	Exc	67	67	1.00
472		Subgrade	Exc	0	0	1.00
473		Subsoil	Exc	1971	1971	1.00
474		Fill		0	0	1.00
475	FF	S P L I T S U M M A R Y T O T A L				

S

476				XS Quant	XS Quant	Add/Sub Quant	Add/Sub
477		Material Name		Quant	Adjusted	Unadjusted	Adjusted
478		Mult		Unadjusted			
479				Volume	Volume	Volume	Volume
480				Factor	(cu. yd.)	(cu. yd.)	(cu.
481				(cu. yd.)			yd.)
482		-----		-----	-----	-----	-----
483		-----		-----	-----	-----	-----
484	EARTH						
485		Common	Exc	171	171	0	0
486		1.00					
487		Subgrade	Exc	0	0	0	0
488		1.00					
489		Subsoil	Exc	0	0	0	0
490		1.00					
491		Fill		28861	28861	0	0
492		1.00					
493	TOPSOIL						
494		Common	Exc	67	67	0	0
495		1.00					
496		Subgrade	Exc	0	0	0	0
497		1.00					
498		Subsoil	Exc	1971	1971	0	0
499		1.00					
500		Fill		0	0	0	0
501		1.00					

FF

491		B A L A N C E		P O I N T	S U M M A R Y		
492		Material Name		Cumulative		Incremental	Mult
493				Unadjusted	Adjusted	Unadjusted	Adjusted
494				Volumes	Volumes	Volumes	Volumes
495				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
496		-----		-----	-----	-----	-----

Station = 260+64.40

497	EARTH						
498		Common	Exc	167	167	167	167
499		1.00					
500		Subgrade	Exc	0	0	0	0
501		1.00					
502		Subsoil	Exc	0	0	0	0
503		1.00					
504		Fill		167	167	167	167
505		1.00					
506	TOPSOIL						
507		Common	Exc	61	61	61	61
508		1.00					
509		Subgrade	Exc	0	0	0	0
510		1.00					
511		Subsoil	Exc	12	12	12	12
512		1.00					
513		Fill		0	0	0	0
514		1.00					

```

1 Input File: ewkprj.inp
2 Output File: Ramp4_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Ramp4.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 2,6-8,16,18
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 co = 0
32 1 30 30
33 1 31 31 Existing Unsuitable Material
34 1 32 32 soil type = Topsoil
35 1 33 33 roadway exc mult factor = 1.000000
36 1 34 34 subsoil exc mult factor = 1.000000
37 1 35 35 fill mult factor = 1.000000
38 1 36 36 type = line, line_string
39 1 37 37 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
40 1 38 38 co = 2
41 1 39 39
42 1 40 40 Excavation Limit
43 1 41 41 type = line
44 1 42 42 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
45 1 43 43 co = 0
46 1 44 44
47 1 45 45 Write Earthwork Shapes
48 1 46 46 plot param
49 1 47 47 lv = 347
50 1 48 48 lvname = DESIGN - EARTHWORK - Shapes
51 1 49 49 co = 2
52 1 50 50 wt = 0
53 1 51 51 lc = 0
54 1 52 52 Stratify Shape Color
55 1 53 53
56 1 54 54
57 1 55 55 Add Accumulated Adjusted Volume Column
58 1 56 56
59 1 57 57 Add Accumulated Unadjusted Volume Column
60 1 58 58
61 1 59 59 End Area Decimal Places = 0
62 1 60 60
63 1 61 61 Process Earthwork for Baseline = RAMP4
64 1 62 62 job number = 32n
65 1 63 63

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66      1      64      64      beg sta = 284+00
67      1      65      65      end sta = 293+00.00 R 1
68      0      0      66 END_OF_FILE
69 COMPUTING EARTHWORKS FOR BASELINE = RAMP4
70 COMPUTING EARTHWORKS FOR JOB = 32N
71 FORMING LIST OF XSCHELLS
72 BEGINNING EARTHWORKS COMPUTATION

```

		Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass
		Accum	Accum				
Station				Volumes	Volumes	Factor	Ordinate
Vol	Adj	Vol					Unadj
			(sq. ft.)	(cu. yd.)	(cu. yd.)		(cu.
			yd.) (cu. yd.)				yd.)

284+00.00		EARTH					
		Common Exc	0	0	0	1.00	
		0	0				
		Subgrade Exc	0	0	0	1.00	
		0	0				
		Subsoil Exc	0	0	0	1.00	
		0	0				
		Fill	559	0	0	1.00	0
		0	0				
284+14.59		EARTH					
		Common Exc	0	0	0	1.00	
		0	0				
		Subgrade Exc	0	0	0	1.00	
		0	0				
		Subsoil Exc	0	0	0	1.00	
		0	0				
		Fill	656	328	328	1.00	-328
		328	328				
		TOPSOIL					
		Common Exc	0	0	0	1.00	
		0	0				
		Subgrade Exc	0	0	0	1.00	
		0	0				
		Subsoil Exc	40	11	11	1.00	
		11	11				
		Fill	0	0	0	1.00	-328
		0	0				
		Mass ordinate for TOPSOIL = 11					
284+25.00		EARTH					
		Common Exc	0	0	0	1.00	
		0	0				
		Subgrade Exc	0	0	0	1.00	
		0	0				
		Subsoil Exc	0	0	0	1.00	
		0	0				
		Fill	702	262	262	1.00	-590
		590	590				
		TOPSOIL					
		Common Exc	0	0	0	1.00	
		0	0				
		Subgrade Exc	0	0	0	1.00	
		0	0				
		Subsoil Exc	42	16	16	1.00	
		27	27				
		Fill	0	0	0	1.00	-590
		0	0				
		Mass ordinate for TOPSOIL = 27					

108	284+50.00	EARTH					
109		Common Exc	0	0	0	1.00	
		0	0				
110		Subgrade Exc	0	0	0	1.00	
		0	0				
111		Subsoil Exc	0	0	0	1.00	
		0	0				
112		Fill	818	704	704	1.00	-1294
		1294	1294				
113		TOPSOIL					
114		Common Exc	0	0	0	1.00	
		0	0				
115		Subgrade Exc	0	0	0	1.00	
		0	0				
116		Subsoil Exc	45	40	40	1.00	
		67	67				
117		Fill	0	0	0	1.00	-1294
		0	0				
118		Mass ordinate for TOPSOIL = 67					
119							
120	285+00.00	EARTH					
121		Common Exc	0	0	0	1.00	
		0	0				
122		Subgrade Exc	0	0	0	1.00	
		0	0				
123		Subsoil Exc	0	0	0	1.00	
		0	0				
124		Fill	1082	1759	1759	1.00	-3053
		3053	3053				
125		TOPSOIL					
126		Common Exc	0	0	0	1.00	
		0	0				
127		Subgrade Exc	0	0	0	1.00	
		0	0				
128		Subsoil Exc	53	91	91	1.00	
		158	158				
129		Fill	0	0	0	1.00	-3053
		0	0				
130		Mass ordinate for TOPSOIL = 158					
131							
132	285+50.00	EARTH					
133		Common Exc	0	0	0	1.00	
		0	0				
134		Subgrade Exc	0	0	0	1.00	
		0	0				
135		Subsoil Exc	0	0	0	1.00	
		0	0				
136		Fill	1300	2206	2206	1.00	-5259
		5259	5259				
137		TOPSOIL					
138		Common Exc	0	0	0	1.00	
		0	0				
139		Subgrade Exc	0	0	0	1.00	
		0	0				
140		Subsoil Exc	56	101	101	1.00	
		259	259				
141		Fill	0	0	0	1.00	-5259
		0	0				
142		Mass ordinate for TOPSOIL = 259					
143							
144	286+00.00	EARTH					
145		Common Exc	0	0	0	1.00	
		0	0				
146		Subgrade Exc	0	0	0	1.00	
		0	0				
147		Subsoil Exc	0	0	0	1.00	

148	0	0					
	Fill	1569	2656	2656	1.00	-7915	
	7915	7915					
149	TOPSOIL						
150	Common Exc	0	0	0	1.00		
	0	0					
151	Subgrade Exc	0	0	0	1.00		
	0	0					
152	Subsoil Exc	55	103	103	1.00		
	362	362					
153	Fill	0	0	0	1.00	-7915	
	0	0					
154	Mass ordinate for TOPSOIL = 362						
155							
156	286+50.00 EARTH						
157	Common Exc	0	0	0	1.00		
	0	0					
158	Subgrade Exc	0	0	0	1.00		
	0	0					
159	Subsoil Exc	0	0	0	1.00		
	0	0					
160	Fill	1596	2931	2931	1.00	-10846	
	10846	10846					
161	TOPSOIL						
162	Common Exc	0	0	0	1.00		
	0	0					
163	Subgrade Exc	0	0	0	1.00		
	0	0					
164	Subsoil Exc	57	104	104	1.00		
	466	466					
165	Fill	0	0	0	1.00	-10846	
	0	0					
166	Mass ordinate for TOPSOIL = 466						
167							
168	287+00.00 EARTH						
169	Common Exc	0	0	0	1.00		
	0	0					
170	Subgrade Exc	0	0	0	1.00		
	0	0					
171	Subsoil Exc	0	0	0	1.00		
	0	0					
172	Fill	1681	3034	3034	1.00	-13880	
	13880	13880					
173	TOPSOIL						
174	Common Exc	0	0	0	1.00		
	0	0					
175	Subgrade Exc	0	0	0	1.00		
	0	0					
176	Subsoil Exc	60	108	108	1.00		
	574	574					
177	Fill	0	0	0	1.00	-13880	
	0	0					
178	Mass ordinate for TOPSOIL = 574						
179							
180	287+50.00 EARTH						
181	Common Exc	0	0	0	1.00		
	0	0					
182	Subgrade Exc	0	0	0	1.00		
	0	0					
183	Subsoil Exc	0	0	0	1.00		
	0	0					
184	Fill	1386	2840	2840	1.00	-16720	
	16720	16720					
185	TOPSOIL						
186	Common Exc	0	0	0	1.00		
	0	0					

187		Subgrade Exc	0	0	0	1.00	
	0	0					
188		Subsoil Exc	61	112	112	1.00	
	686	686					
189		Fill	0	0	0	1.00	-16720
	0	0					
190		Mass ordinate for TOPSOIL = 686					
191							
192	288+00.00	EARTH					
193		Common Exc	0	0	0	1.00	
	0	0					
194		Subgrade Exc	0	0	0	1.00	
	0	0					
195		Subsoil Exc	0	0	0	1.00	
	0	0					
196		Fill	1176	2372	2372	1.00	-19092
		19092	19092				
197		TOPSOIL					
198		Common Exc	0	0	0	1.00	
	0	0					
199		Subgrade Exc	0	0	0	1.00	
	0	0					
200		Subsoil Exc	62	114	114	1.00	
	800	800					
201		Fill	0	0	0	1.00	-19092
	0	0					
202		Mass ordinate for TOPSOIL = 800					
203							
204	288+50.00	EARTH					
205		Common Exc	0	0	0	1.00	
	0	0					
206		Subgrade Exc	0	0	0	1.00	
	0	0					
207		Subsoil Exc	0	0	0	1.00	
	0	0					
208		Fill	1251	2247	2247	1.00	-21339
		21339	21339				
209		TOPSOIL					
210		Common Exc	0	0	0	1.00	
	0	0					
211		Subgrade Exc	0	0	0	1.00	
	0	0					
212		Subsoil Exc	63	116	116	1.00	
	916	916					
213		Fill	0	0	0	1.00	-21339
	0	0					
214		Mass ordinate for TOPSOIL = 916					
215							
216	289+00.00	EARTH					
217		Common Exc	0	0	0	1.00	
	0	0					
218		Subgrade Exc	0	0	0	1.00	
	0	0					
219		Subsoil Exc	0	0	0	1.00	
	0	0					
220		Fill	1063	2143	2143	1.00	-23482
		23482	23482				
221		TOPSOIL					
222		Common Exc	0	0	0	1.00	
	0	0					
223		Subgrade Exc	0	0	0	1.00	
	0	0					
224		Subsoil Exc	64	118	118	1.00	
	1034	1034					
225		Fill	0	0	0	1.00	-23482
	0	0					

226	Mass ordinate for TOPSOIL = 1034						
227							
228	289+50.00	EARTH					
229		Common Exc	0	0	0	1.00	
		0	0				
230		Subgrade Exc	0	0	0	1.00	
		0	0				
231		Subsoil Exc	0	0	0	1.00	
		0	0				
232		Fill	895	1813	1813	1.00	-25295
		25295	25295				
233	TOPSOIL						
234		Common Exc	0	0	0	1.00	
		0	0				
235		Subgrade Exc	0	0	0	1.00	
		0	0				
236		Subsoil Exc	61	116	116	1.00	
		1150	1150				
237		Fill	0	0	0	1.00	-25295
		0	0				
238	Mass ordinate for TOPSOIL = 1150						
239							
240	290+00.00	EARTH					
241		Common Exc	0	0	0	1.00	
		0	0				
242		Subgrade Exc	0	0	0	1.00	
		0	0				
243		Subsoil Exc	0	0	0	1.00	
		0	0				
244		Fill	774	1545	1545	1.00	-26840
		26840	26840				
245	TOPSOIL						
246		Common Exc	0	0	0	1.00	
		0	0				
247		Subgrade Exc	0	0	0	1.00	
		0	0				
248		Subsoil Exc	53	106	106	1.00	
		1256	1256				
249		Fill	0	0	0	1.00	-26840
		0	0				
250	Mass ordinate for TOPSOIL = 1256						
251							
252	290+50.00	EARTH					
253		Common Exc	24	22	22	1.00	
		22	22				
254		Subgrade Exc	0	0	0	1.00	
		0	0				
255		Subsoil Exc	0	0	0	1.00	
		0	0				
256		Fill	540	1217	1217	1.00	-28035
		28057	28057				
257	TOPSOIL						
258		Common Exc	11	10	10	1.00	
		10	10				
259		Subgrade Exc	0	0	0	1.00	
		0	0				
260		Subsoil Exc	48	94	94	1.00	
		1350	1350				
261		Fill	0	0	0	1.00	-28035
		0	0				
262	Mass ordinate for TOPSOIL = 1360						
263							
264	291+00.00	EARTH					
265		Common Exc	25	45	45	1.00	
		67	67				
266		Subgrade Exc	0	0	0	1.00	

267	0	0					
	Subsoil	Exc	0	0	0	1.00	
268	0	0					
	Fill		412	881	881	1.00	-28871
	28938		28938				
269	TOPSOIL						
270	Common	Exc	9	19	19	1.00	
	29		29				
271	Subgrade	Exc	0	0	0	1.00	
	0	0					
272	Subsoil	Exc	47	88	88	1.00	
	1438		1438				
273	Fill		0	0	0	1.00	-28871
	0	0					
274	Mass ordinate for TOPSOIL = 1467						
275							
276	291+50.00 EARTH						
277	Common	Exc	115	130	130	1.00	
	197		197				
278	Subgrade	Exc	0	0	0	1.00	
	0	0					
279	Subsoil	Exc	0	0	0	1.00	
	0	0					
280	Fill		200	567	567	1.00	-29308
	29505		29505				
281	TOPSOIL						
282	Common	Exc	21	28	28	1.00	
	57		57				
283	Subgrade	Exc	0	0	0	1.00	
	0	0					
284	Subsoil	Exc	39	80	80	1.00	
	1518		1518				
285	Fill		0	0	0	1.00	-29308
	0	0					
286	Mass ordinate for TOPSOIL = 1575						
287							
288	292+00.00 EARTH						
289	Common	Exc	263	350	350	1.00	
	547		547				
290	Subgrade	Exc	0	0	0	1.00	
	0	0					
291	Subsoil	Exc	0	0	0	1.00	
	0	0					
292	Fill		55	236	236	1.00	-29194
	29741		29741				
293	TOPSOIL						
294	Common	Exc	44	60	60	1.00	
	117		117				
295	Subgrade	Exc	0	0	0	1.00	
	0	0					
296	Subsoil	Exc	26	60	60	1.00	
	1578		1578				
297	Fill		0	0	0	1.00	-29194
	0	0					
298	Mass ordinate for TOPSOIL = 1695						
299							
300	292+50.00 EARTH						
301	Common	Exc	118	353	353	1.00	
	900		900				
302	Subgrade	Exc	0	0	0	1.00	
	0	0					
303	Subsoil	Exc	0	0	0	1.00	
	0	0					
304	Fill		13	63	63	1.00	-28904
	29804		29804				
305	TOPSOIL						

306		Common Exc	47	84	84	1.00	
		201	201				
307		Subgrade Exc	0	0	0	1.00	
		0	0				
308		Subsoil Exc	11	34	34	1.00	
		1612	1612				
309		Fill	0	0	0	1.00	-28904
		0	0				
310		Mass ordinate for TOPSOIL = 1813					
311							
312	293+00.00	EARTH					
313		Common Exc	136	235	235	1.00	
		1135	1135				
314		Subgrade Exc	0	0	0	1.00	
		0	0				
315		Subsoil Exc	0	0	0	1.00	
		0	0				
316		Fill	1	13	13	1.00	-28682
		29817	29817				
317		TOPSOIL					
318		Common Exc	54	94	94	1.00	
		295	295				
319		Subgrade Exc	0	0	0	1.00	
		0	0				
320		Subsoil Exc	1	11	11	1.00	
		1623	1623				
321		Fill	0	0	0	1.00	-28682
		0	0				
322		Mass ordinate for TOPSOIL = 1918					
323	FF	G R A N D S U M M A R Y T O T A L S					
324		Material Name	Unadjusted	Adjusted	Mult		
325			Volumes	Volumes	Factor		
326			(cu. yd.)	(cu. yd.)			
327		-----					
328		EARTH					
329		Common Exc	1135	1135	1.00		
330		Subgrade Exc	0	0	1.00		
331		Subsoil Exc	0	0	1.00		
332		Fill	29817	29817	1.00		
333		TOPSOIL					
334		Common Exc	295	295	1.00		
335		Subgrade Exc	0	0	1.00		
336		Subsoil Exc	1623	1623	1.00		
337		Fill	0	0	1.00		
338	FF	S P L I T S U M M A R Y T O T A L					
	S						
339			XS Quant	XS Quant	Add/Sub Quant	Add/Sub	
			Quant				
340		Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted	
		Mult					
341			Volume	Volume	Volume	Volume	
			Factor				
342			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.	
			yd.)			yd.)	
343		-----					

344		EARTH					
345		Common Exc	1135	1135	0	0	
		1.00					
346		Subgrade Exc	0	0	0	0	
		1.00					
347		Subsoil Exc	0	0	0	0	
		1.00					
348		Fill	29817	29817	0	0	
		1.00					
349		TOPSOIL					

350	Common Exc 1.00	295	295	0	0
351	Subgrade Exc 1.00	0	0	0	0
352	Subsoil Exc 1.00	1623	1623	0	0
353	Fill 1.00	0	0	0	0
354					

```

1 Input File: ewkprj.inp
2 Output File: TGTEast_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-TGTEast.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
20 1 18 18 co = 6-8,18
21 1 19 19
22 1 20 20 Existing Ground Line
23 1 21 21 soil type = Earth
24 1 22 22 roadway exc mult factor = 1.000000
25 1 23 23 subsoil exc mult factor = 1.000000
26 1 24 24 fill mult factor = 1.000000
27 1 25 25 type = line, line_string
28 1 26 26 lvname = SURVEY - GROUND - Top of Ground
29 1 27 27 co = 0
30 1 28 28
31 1 29 29 Existing Unsuitable Material
32 1 30 30 soil type = Topsoil
33 1 31 31 roadway exc mult factor = 1.000000
34 1 32 32 subsoil exc mult factor = 1.000000
35 1 33 33 fill mult factor = 1.000000
36 1 34 34 type = line, line_string
37 1 35 35 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
38 1 36 36 co = 2
39 1 37 37
40 1 38 38 Excavation Limit
41 1 39 39 type = line
42 1 40 40 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
43 1 41 41 co = 0
44 1 42 42
45 1 43 43 Write Earthwork Shapes
46 1 44 44 plot param
47 1 45 45 lv = 347
48 1 46 46 lvname = DESIGN - EARTHWORK - Shapes
49 1 47 47 co = 2
50 1 48 48 wt = 0
51 1 49 49 lc = 0
52 1 50 50 Stratify Shape Color
53 1 51 51
54 1 52 52
55 1 53 53 Add Accumulated Adjusted Volume Column
56 1 54 54
57 1 55 55 Add Accumulated Unadjusted Volume Column
58 1 56 56
59 1 57 57 End Area Decimal Places = 0
60 1 58 58
61 1 59 59 Process Earthwork for Baseline = TGT
62 1 60 60 job number = 32n
63 1 61 61
64 1 62 62 beg sta = 39+50.00 R 1
65 1 63 63 end sta = 44+50.00 R 1

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66 0 0 64 END_OF_FILE
 67 COMPUTING EARTHWORKS FOR BASELINE = TGT
 68 COMPUTING EARTHWORKS FOR JOB = 32N
 69 FORMING LIST OF XSCHELLS
 70 BEGINNING EARTHWORKS COMPUTATION
 71

72	Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass
73	Accum	Accum	Volumes	Volumes	Factor	Ordinate
74	Station					Unadj
74	Vol Adj Vol	(sq. ft.)	(cu. yd.)	(cu. yd.)		(cu.
75		yd.) (cu. yd.)				
76	-----	-----	-----	-----	-----	-----
77	39+50.00 EARTH					
78	Common Exc	0	0	0	1.00	
79	0 0					
80	Subgrade Exc	0	0	0	1.00	
81	0 0					
82	Subsoil Exc	0	0	0	1.00	
83	0 0					
84	Fill	1177	0	0	1.00	0
85	0 0					
86	TOPSOIL					
87	Common Exc	0	0	0	1.00	
88	0 0					
89	Subgrade Exc	0	0	0	1.00	
90	0 0					
91	Subsoil Exc	46	0	0	1.00	
92	0 0					
93	Fill	0	0	0	1.00	0
94	0 0					
95	Mass ordinate for TOPSOIL = 0					
96	39+58.15 EARTH					
97	Common Exc	0	0	0	1.00	
98	0 0					
99	Subgrade Exc	0	0	0	1.00	
100	0 0					
101	Subsoil Exc	0	0	0	1.00	
102	0 0					
103	Fill	1395	388	388	1.00	-388
104	388 388					
105	TOPSOIL					
106	Common Exc	0	0	0	1.00	
107	0 0					
108	Subgrade Exc	0	0	0	1.00	
109	0 0					
110	Subsoil Exc	60	16	16	1.00	
111	16 16					
112	Fill	0	0	0	1.00	-388
113	0 0					
114	Mass ordinate for TOPSOIL = 16					
115	40+00.00 EARTH					
116	Common Exc	42	33	33	1.00	
117	33 33					
118	Subgrade Exc	0	0	0	1.00	
119	0 0					
120	Subsoil Exc	0	0	0	1.00	
121	0 0					
122	Fill	638	1576	1576	1.00	-1931
123	1964 1964					
124	TOPSOIL					
125	Common Exc	15	12	12	1.00	
126	12 12					

107		Subgrade Exc	0	0	0	1.00	
	0	0					
108		Subsoil Exc	33	72	72	1.00	
	88	88					
109		Fill	0	0	0	1.00	-1931
	0	0					
110		Mass ordinate for TOPSOIL = 100					
111							
112	40+21.91	EARTH					
113		Common Exc	28	28	28	1.00	
	61	61					
114		Subgrade Exc	0	0	0	1.00	
	0	0					
115		Subsoil Exc	0	0	0	1.00	
	0	0					
116		Fill	567	489	489	1.00	-2392
	2453	2453					
117		TOPSOIL					
118		Common Exc	13	11	11	1.00	
	23	23					
119		Subgrade Exc	0	0	0	1.00	
	0	0					
120		Subsoil Exc	32	26	26	1.00	
	114	114					
121		Fill	0	0	0	1.00	-2392
	0	0					
122		Mass ordinate for TOPSOIL = 137					
123							
124	40+24.36	EARTH					
125		Common Exc	26	2	2	1.00	
	63	63					
126		Subgrade Exc	0	0	0	1.00	
	0	0					
127		Subsoil Exc	0	0	0	1.00	
	0	0					
128		Fill	560	51	51	1.00	-2441
	2504	2504					
129		TOPSOIL					
130		Common Exc	12	1	1	1.00	
	24	24					
131		Subgrade Exc	0	0	0	1.00	
	0	0					
132		Subsoil Exc	32	3	3	1.00	
	117	117					
133		Fill	0	0	0	1.00	-2441
	0	0					
134		Mass ordinate for TOPSOIL = 141					
135							
136	40+50.00	EARTH					
137		Common Exc	13	19	19	1.00	
	82	82					
138		Subgrade Exc	0	0	0	1.00	
	0	0					
139		Subsoil Exc	0	0	0	1.00	
	0	0					
140		Fill	501	504	504	1.00	-2926
	3008	3008					
141		TOPSOIL					
142		Common Exc	9	10	10	1.00	
	34	34					
143		Subgrade Exc	0	0	0	1.00	
	0	0					
144		Subsoil Exc	30	29	29	1.00	
	146	146					
145		Fill	0	0	0	1.00	-2926
	0	0					

146	Mass ordinate for TOPSOIL = 180						
147							
148	40+56.91	EARTH					
149		Common Exc	12	3	3	1.00	
		85	85				
150		Subgrade Exc	0	0	0	1.00	
		0	0				
151		Subsoil Exc	0	0	0	1.00	
		0	0				
152		Fill	493	127	127	1.00	
		3135	3135			-3050	
153	TOPSOIL						
154		Common Exc	9	2	2	1.00	
		36	36				
155		Subgrade Exc	0	0	0	1.00	
		0	0				
156		Subsoil Exc	29	8	8	1.00	
		154	154				
157		Fill	0	0	0	1.00	
		0	0			-3050	
158	Mass ordinate for TOPSOIL = 190						
159							
160	41+00.00	EARTH					
161		Common Exc	13	20	20	1.00	
		105	105				
162		Subgrade Exc	0	0	0	1.00	
		0	0				
163		Subsoil Exc	0	0	0	1.00	
		0	0				
164		Fill	424	732	732	1.00	
		3867	3867			-3762	
165	TOPSOIL						
166		Common Exc	10	15	15	1.00	
		51	51				
167		Subgrade Exc	0	0	0	1.00	
		0	0				
168		Subsoil Exc	31	48	48	1.00	
		202	202				
169		Fill	0	0	0	1.00	
		0	0			-3762	
170	Mass ordinate for TOPSOIL = 253						
171							
172	41+50.00	EARTH					
173		Common Exc	33	43	43	1.00	
		148	148				
174		Subgrade Exc	0	0	0	1.00	
		0	0				
175		Subsoil Exc	0	0	0	1.00	
		0	0				
176		Fill	313	682	682	1.00	
		4549	4549			-4401	
177	TOPSOIL						
178		Common Exc	16	24	24	1.00	
		75	75				
179		Subgrade Exc	0	0	0	1.00	
		0	0				
180		Subsoil Exc	23	50	50	1.00	
		252	252				
181		Fill	0	0	0	1.00	
		0	0			-4401	
182	Mass ordinate for TOPSOIL = 327						
183							
184	41+80.55	EARTH					
185		Common Exc	44	44	44	1.00	
		192	192				
186		Subgrade Exc	0	0	0	1.00	

187	0	0					
	Subsoil	Exc	0	0	0	1.00	
188	0	0					
	Fill		248	317	317	1.00	-4674
	4866		4866				
189	TOPSOIL						
190	Common	Exc	17	19	19	1.00	
	94		94				
191	Subgrade	Exc	0	0	0	1.00	
	0	0					
192	Subsoil	Exc	18	23	23	1.00	
	275		275				
193	Fill		0	0	0	1.00	-4674
	0	0					
194	Mass ordinate for TOPSOIL = 369						
195							
196	42+00.00 EARTH						
197	Common	Exc	51	34	34	1.00	
	226		226				
198	Subgrade	Exc	0	0	0	1.00	
	0	0					
199	Subsoil	Exc	0	0	0	1.00	
	0	0					
200	Fill		215	167	167	1.00	-4807
	5033		5033				
201	TOPSOIL						
202	Common	Exc	17	12	12	1.00	
	106		106				
203	Subgrade	Exc	0	0	0	1.00	
	0	0					
204	Subsoil	Exc	16	12	12	1.00	
	287		287				
205	Fill		0	0	0	1.00	-4807
	0	0					
206	Mass ordinate for TOPSOIL = 393						
207							
208	42+13.10 EARTH						
209	Common	Exc	57	26	26	1.00	
	252		252				
210	Subgrade	Exc	0	0	0	1.00	
	0	0					
211	Subsoil	Exc	0	0	0	1.00	
	0	0					
212	Fill		193	99	99	1.00	-4880
	5132		5132				
213	TOPSOIL						
214	Common	Exc	17	8	8	1.00	
	114		114				
215	Subgrade	Exc	0	0	0	1.00	
	0	0					
216	Subsoil	Exc	14	7	7	1.00	
	294		294				
217	Fill		0	0	0	1.00	-4880
	0	0					
218	Mass ordinate for TOPSOIL = 408						
219							
220	42+15.55 EARTH						
221	Common	Exc	57	5	5	1.00	
	257		257				
222	Subgrade	Exc	0	0	0	1.00	
	0	0					
223	Subsoil	Exc	0	0	0	1.00	
	0	0					
224	Fill		189	17	17	1.00	-4892
	5149		5149				
225	TOPSOIL						

226		Common Exc	17	2	2	1.00	
		116	116				
227		Subgrade Exc	0	0	0	1.00	
		0	0				
228		Subsoil Exc	14	1	1	1.00	
		295	295				
229		Fill	0	0	0	1.00	-4892
		0	0				
230		Mass ordinate for TOPSOIL = 411					
231							
232	42+45.65	EARTH					
233		Common Exc	53	61	61	1.00	
		318	318				
234		Subgrade Exc	0	0	0	1.00	
		0	0				
235		Subsoil Exc	0	0	0	1.00	
		0	0				
236		Fill	159	194	194	1.00	-5025
		5343	5343				
237		TOPSOIL					
238		Common Exc	17	19	19	1.00	
		135	135				
239		Subgrade Exc	0	0	0	1.00	
		0	0				
240		Subsoil Exc	14	16	16	1.00	
		311	311				
241		Fill	0	0	0	1.00	-5025
		0	0				
242		Mass ordinate for TOPSOIL = 446					
243							
244	42+50.00	EARTH					
245		Common Exc	47	8	8	1.00	
		326	326				
246		Subgrade Exc	0	0	0	1.00	
		0	0				
247		Subsoil Exc	0	0	0	1.00	
		0	0				
248		Fill	157	25	25	1.00	-5042
		5368	5368				
249		TOPSOIL					
250		Common Exc	16	3	3	1.00	
		138	138				
251		Subgrade Exc	0	0	0	1.00	
		0	0				
252		Subsoil Exc	14	2	2	1.00	
		313	313				
253		Fill	0	0	0	1.00	-5042
		0	0				
254		Mass ordinate for TOPSOIL = 451					
255							
256	42+92.89	EARTH					
257		Common Exc	22	55	55	1.00	
		381	381				
258		Subgrade Exc	0	0	0	1.00	
		0	0				
259		Subsoil Exc	0	0	0	1.00	
		0	0				
260		Fill	121	221	221	1.00	-5208
		5589	5589				
261		TOPSOIL					
262		Common Exc	10	21	21	1.00	
		159	159				
263		Subgrade Exc	0	0	0	1.00	
		0	0				
264		Subsoil Exc	15	23	23	1.00	
		336	336				

265		Fill	0	0	0	1.00	-5208
		0	0				
266		Mass ordinate for TOPSOIL = 495					
267							
268	42+97.79	EARTH					
269		Common Exc	23	4	4	1.00	
		385	385				
270		Subgrade Exc	0	0	0	1.00	
		0	0				
271		Subsoil Exc	0	0	0	1.00	
		0	0				
272		Fill	115	21	21	1.00	-5225
		5610	5610				
273		TOPSOIL					
274		Common Exc	10	2	2	1.00	
		161	161				
275		Subgrade Exc	0	0	0	1.00	
		0	0				
276		Subsoil Exc	14	3	3	1.00	
		339	339				
277		Fill	0	0	0	1.00	-5225
		0	0				
278		Mass ordinate for TOPSOIL = 500					
279							
280	43+00.00	EARTH					
281		Common Exc	24	2	2	1.00	
		387	387				
282		Subgrade Exc	0	0	0	1.00	
		0	0				
283		Subsoil Exc	0	0	0	1.00	
		0	0				
284		Fill	112	9	9	1.00	-5232
		5619	5619				
285		TOPSOIL					
286		Common Exc	10	1	1	1.00	
		162	162				
287		Subgrade Exc	0	0	0	1.00	
		0	0				
288		Subsoil Exc	14	1	1	1.00	
		340	340				
289		Fill	0	0	0	1.00	-5232
		0	0				
290		Mass ordinate for TOPSOIL = 502					
291							
292	43+27.89	EARTH					
293		Common Exc	25	25	25	1.00	
		412	412				
294		Subgrade Exc	0	0	0	1.00	
		0	0				
295		Subsoil Exc	0	0	0	1.00	
		0	0				
296		Fill	69	93	93	1.00	-5300
		5712	5712				
297		TOPSOIL					
298		Common Exc	10	10	10	1.00	
		172	172				
299		Subgrade Exc	0	0	0	1.00	
		0	0				
300		Subsoil Exc	12	13	13	1.00	
		353	353				
301		Fill	0	0	0	1.00	-5300
		0	0				
302		Mass ordinate for TOPSOIL = 525					
303							
304	43+30.34	EARTH					
305		Common Exc	25	2	2	1.00	

	414	414					
306	Subgrade Exc	0	0	0	1.00		
	0	0					
307	Subsoil Exc	0	0	0	1.00		
	0	0					
308	Fill	66	6	6	1.00	-5304	
	5718	5718					
309	TOPSOIL						
310	Common Exc	10	1	1	1.00		
	173	173					
311	Subgrade Exc	0	0	0	1.00		
	0	0					
312	Subsoil Exc	12	1	1	1.00		
	354	354					
313	Fill	0	0	0	1.00	-5304	
	0	0					
314	Mass ordinate for TOPSOIL = 527						
315							
316	43+50.00 EARTH						
317	Common Exc	27	19	19	1.00		
	433	433					
318	Subgrade Exc	0	0	0	1.00		
	0	0					
319	Subsoil Exc	0	0	0	1.00		
	0	0					
320	Fill	39	38	38	1.00	-5323	
	5756	5756					
321	TOPSOIL						
322	Common Exc	11	8	8	1.00		
	181	181					
323	Subgrade Exc	0	0	0	1.00		
	0	0					
324	Subsoil Exc	10	8	8	1.00		
	362	362					
325	Fill	0	0	0	1.00	-5323	
	0	0					
326	Mass ordinate for TOPSOIL = 543						
327							
328	43+62.89 EARTH						
329	Common Exc	34	15	15	1.00		
	448	448					
330	Subgrade Exc	0	0	0	1.00		
	0	0					
331	Subsoil Exc	0	0	0	1.00		
	0	0					
332	Fill	25	15	15	1.00	-5323	
	5771	5771					
333	TOPSOIL						
334	Common Exc	14	6	6	1.00		
	187	187					
335	Subgrade Exc	0	0	0	1.00		
	0	0					
336	Subsoil Exc	9	5	5	1.00		
	367	367					
337	Fill	0	0	0	1.00	-5323	
	0	0					
338	Mass ordinate for TOPSOIL = 554						
339							
340	43+80.00 EARTH						
341	Common Exc	31	21	21	1.00		
	469	469					
342	Subgrade Exc	0	0	0	1.00		
	0	0					
343	Subsoil Exc	0	0	0	1.00		
	0	0					
344	Fill	16	13	13	1.00	-5315	

345		5784	5784						
346		TOPSOIL							
		Common Exc	16	10	10	1.00			
		197	197						
347		Subgrade Exc	0	0	0	1.00			
		0	0						
348		Subsoil Exc	9	6	6	1.00			
		373	373						
349		Fill	0	0	0	1.00	-5315		
		0	0						
350		Mass ordinate for TOPSOIL = 570							
351									
352	44+00.00	EARTH							
353		Common Exc	0	11	11	1.00			
		480	480						
354		Subgrade Exc	0	0	0	1.00			
		0	0						
355		Subsoil Exc	0	0	0	1.00			
		0	0						
356		Fill	6	8	8	1.00	-5312		
		5792	5792						
357		TOPSOIL							
358		Common Exc	0	6	6	1.00			
		203	203						
359		Subgrade Exc	0	0	0	1.00			
		0	0						
360		Subsoil Exc	4	5	5	1.00			
		378	378						
361		Fill	0	0	0	1.00	-5312		
		0	0						
362		Mass ordinate for TOPSOIL = 581							
363	FF	G R A N D S U M M A R Y							
364		Material Name	Unadjusted	Adjusted	Mult				
365			Volumes	Volumes	Factor				
366			(cu. yd.)	(cu. yd.)					
367		-----	-----	-----	-----				
368		EARTH							
369		Common Exc	480	480	1.00				
370		Subgrade Exc	0	0	1.00				
371		Subsoil Exc	0	0	1.00				
372		Fill	5792	5792	1.00				
373		TOPSOIL							
374		Common Exc	203	203	1.00				
375		Subgrade Exc	0	0	1.00				
376		Subsoil Exc	378	378	1.00				
377		Fill	0	0	1.00				
378	FF	S P L I T S U M M A R Y							
	S	T O T A L							
379			XS Quant	XS Quant	Add/Sub Quant	Add/Sub			
			Quant						
380		Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted			
		Mult							
381			Volume	Volume	Volume	Volume			
			Factor						
382			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.			
			yd.)			yd.)			
383		-----	-----	-----	-----	-----			
384		-----							
384		EARTH							
385		Common Exc	480	480	0	0			
		1.00							
386		Subgrade Exc	0	0	0	0			
		1.00							
387		Subsoil Exc	0	0	0	0			
		1.00							
388		Fill	5792	5792	0	0			

389		1.00				
390	TOPSOIL	Common Exc	203	203	0	0
		1.00				
391		Subgrade Exc	0	0	0	0
		1.00				
392		Subsoil Exc	378	378	0	0
		1.00				
393		Fill	0	0	0	0
		1.00				
394						

```

1 Input File: ewkprj.inp
2 Output File: TGTWest_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-TGTWest.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 2,6-8,16,18
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 co = 0
32 1 30 30
33 1 31 31 Existing Unsuitable Material
34 1 32 32 soil type = Topsoil
35 1 33 33 roadway exc mult factor = 1.000000
36 1 34 34 subsoil exc mult factor = 1.000000
37 1 35 35 fill mult factor = 1.000000
38 1 36 36 type = line, line_string
39 1 37 37 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
40 1 38 38 co = 2
41 1 39 39
42 1 40 40 Excavation Limit
43 1 41 41 type = line
44 1 42 42 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
45 1 43 43 co = 0
46 1 44 44
47 1 45 45 Write Earthwork Shapes
48 1 46 46 plot param
49 1 47 47 lv = 347
50 1 48 48 lvname = DESIGN - EARTHWORK - Shapes
51 1 49 49 co = 2
52 1 50 50 wt = 0
53 1 51 51 lc = 0
54 1 52 52 Stratify Shape Color
55 1 53 53
56 1 54 54
57 1 55 55 Add Accumulated Adjusted Volume Column
58 1 56 56
59 1 57 57 Add Accumulated Unadjusted Volume Column
60 1 58 58
61 1 59 59 End Area Decimal Places = 0
62 1 60 60
63 1 61 61 Process Earthwork for Baseline = TGT
64 1 62 62 job number = 32n
65 1 63 63

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66      1      64      64      beg sta = 35+00.00 R 1
67      1      65      65      end sta = 38+40.00 R 1
68      0      0      66 END_OF_FILE
69 COMPUTING EARTHWORKS FOR BASELINE = TGT
70 COMPUTING EARTHWORKS FOR JOB = 32N
71 FORMING LIST OF XSCHELLS
72 BEGINNING EARTHWORKS COMPUTATION
73 FF
74      Material Name      End Areas      Unadjusted      Adjusted      Mult      Mass
75      Accum      Accum      Volumes      Volumes      Factor      Ordinate      Unadj
76      Vol      Adj Vol      (sq. ft.)      (cu. yd.)      (cu. yd.)      (cu.
77      -----
78      35+15.00 EARTH
79      Common Exc      21      0      0      1.00
80      0      0
81      Subgrade Exc      0      0      0      1.00
82      0      0
83      Subsoil Exc      0      0      0      1.00
84      0      0
85      Fill      0      0      0      1.00      0
86      0      0
87
88      35+35.00 EARTH
89      Common Exc      210      86      86      1.00
90      86      86
91      Subgrade Exc      0      0      0      1.00
92      0      0
93      Subsoil Exc      0      0      0      1.00
94      0      0
95      Fill      5      2      2      1.00      84
96      2      2
97      TOPSOIL
98      Common Exc      33      12      12      1.00
99      12      12
100     Subgrade Exc      0      0      0      1.00
101     0      0
102     Subsoil Exc      3      1      1      1.00
103     1      1
104     Fill      0      0      0      1.00      84
105     0      0
106     Mass ordinate for TOPSOIL = 13
107
108     35+50.00 EARTH
109     Common Exc      201      114      114      1.00
110     200      200
111     Subgrade Exc      0      0      0      1.00
112     0      0
113     Subsoil Exc      0      0      0      1.00
114     0      0
115     Fill      6      3      3      1.00      195
116     5      5
117     TOPSOIL
118     Common Exc      32      18      18      1.00
119     30      30
120     Subgrade Exc      0      0      0      1.00
121     0      0
122     Subsoil Exc      4      2      2      1.00
123     3      3
124     Fill      0      0      0      1.00      195
125     0      0
126     Mass ordinate for TOPSOIL = 33
127

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108	36+00.00	EARTH					
109		Common Exc	171	344	344	1.00	
		544	544				
110		Subgrade Exc	0	0	0	1.00	
		0	0				
111		Subsoil Exc	0	0	0	1.00	
		0	0				
112		Fill	13	18	18	1.00	521
		23	23				
113		TOPSOIL					
114		Common Exc	29	56	56	1.00	
		86	86				
115		Subgrade Exc	0	0	0	1.00	
		0	0				
116		Subsoil Exc	6	9	9	1.00	
		12	12				
117		Fill	0	0	0	1.00	521
		0	0				
118		Mass ordinate for TOPSOIL = 98					
119							
120	36+50.00	EARTH					
121		Common Exc	168	314	314	1.00	
		858	858				
122		Subgrade Exc	0	0	0	1.00	
		0	0				
123		Subsoil Exc	0	0	0	1.00	
		0	0				
124		Fill	55	63	63	1.00	772
		86	86				
125		TOPSOIL					
126		Common Exc	29	54	54	1.00	
		140	140				
127		Subgrade Exc	0	0	0	1.00	
		0	0				
128		Subsoil Exc	8	13	13	1.00	
		25	25				
129		Fill	0	0	0	1.00	772
		0	0				
130		Mass ordinate for TOPSOIL = 165					
131							
132	36+63.75	EARTH					
133		Common Exc	163	84	84	1.00	
		942	942				
134		Subgrade Exc	0	0	0	1.00	
		0	0				
135		Subsoil Exc	0	0	0	1.00	
		0	0				
136		Fill	72	32	32	1.00	824
		118	118				
137		TOPSOIL					
138		Common Exc	29	15	15	1.00	
		155	155				
139		Subgrade Exc	0	0	0	1.00	
		0	0				
140		Subsoil Exc	8	4	4	1.00	
		29	29				
141		Fill	0	0	0	1.00	824
		0	0				
142		Mass ordinate for TOPSOIL = 184					
143							
144	36+93.30	EARTH					
145		Common Exc	138	165	165	1.00	
		1107	1107				
146		Subgrade Exc	0	0	0	1.00	
		0	0				
147		Subsoil Exc	0	0	0	1.00	

148	0	0	Fill	106	97	97	1.00	892
			215	215				
149	TOPSOIL							
150	Common Exc		29	32	32	1.00		
	187	187						
151	Subgrade Exc		0	0	0	1.00		
	0	0						
152	Subsoil Exc		10	10	10	1.00		
	39	39						
153	Fill		0	0	0	1.00		892
	0	0						
154	Mass ordinate for TOPSOIL = 226							
155								
156	36+98.75 EARTH							
157	Common Exc		129	27	27	1.00		
	1134	1134						
158	Subgrade Exc		0	0	0	1.00		
	0	0						
159	Subsoil Exc		0	0	0	1.00		
	0	0						
160	Fill		115	22	22	1.00		897
	237	237						
161	TOPSOIL							
162	Common Exc		29	6	6	1.00		
	193	193						
163	Subgrade Exc		0	0	0	1.00		
	0	0						
164	Subsoil Exc		10	2	2	1.00		
	41	41						
165	Fill		0	0	0	1.00		897
	0	0						
166	Mass ordinate for TOPSOIL = 234							
167								
168	37+00.00 EARTH							
169	Common Exc		127	6	6	1.00		
	1140	1140						
170	Subgrade Exc		0	0	0	1.00		
	0	0						
171	Subsoil Exc		0	0	0	1.00		
	0	0						
172	Fill		117	5	5	1.00		898
	242	242						
173	TOPSOIL							
174	Common Exc		29	1	1	1.00		
	194	194						
175	Subgrade Exc		0	0	0	1.00		
	0	0						
176	Subsoil Exc		10	0	0	1.00		
	41	41						
177	Fill		0	0	0	1.00		898
	0	0						
178	Mass ordinate for TOPSOIL = 235							
179								
180	37+28.85 EARTH							
181	Common Exc		84	113	113	1.00		
	1253	1253						
182	Subgrade Exc		0	0	0	1.00		
	0	0						
183	Subsoil Exc		0	0	0	1.00		
	0	0						
184	Fill		184	161	161	1.00		850
	403	403						
185	TOPSOIL							
186	Common Exc		23	28	28	1.00		
	222	222						

187		Subgrade Exc	0	0	0	1.00	
	0	0					
188		Subsoil Exc	18	15	15	1.00	
	56	56					
189		Fill	0	0	0	1.00	850
	0	0					
190		Mass ordinate for TOPSOIL = 278					
191							
192	37+33.75	EARTH					
193		Common Exc	76	15	15	1.00	
		1268	1268				
194		Subgrade Exc	0	0	0	1.00	
	0	0					
195		Subsoil Exc	0	0	0	1.00	
	0	0					
196		Fill	197	35	35	1.00	830
		438	438				
197		TOPSOIL					
198		Common Exc	22	4	4	1.00	
		226	226				
199		Subgrade Exc	0	0	0	1.00	
	0	0					
200		Subsoil Exc	19	3	3	1.00	
	59	59					
201		Fill	0	0	0	1.00	830
	0	0					
202		Mass ordinate for TOPSOIL = 285					
203							
204	37+50.00	EARTH					
205		Common Exc	57	40	40	1.00	
		1308	1308				
206		Subgrade Exc	0	0	0	1.00	
	0	0					
207		Subsoil Exc	0	0	0	1.00	
	0	0					
208		Fill	250	135	135	1.00	735
		573	573				
209		TOPSOIL					
210		Common Exc	19	12	12	1.00	
		238	238				
211		Subgrade Exc	0	0	0	1.00	
	0	0					
212		Subsoil Exc	22	12	12	1.00	
	71	71					
213		Fill	0	0	0	1.00	735
	0	0					
214		Mass ordinate for TOPSOIL = 309					
215							
216	37+94.42	EARTH					
217		Common Exc	36	77	77	1.00	
		1385	1385				
218		Subgrade Exc	0	0	0	1.00	
	0	0					
219		Subsoil Exc	0	0	0	1.00	
	0	0					
220		Fill	466	589	589	1.00	223
		1162	1162				
221		TOPSOIL					
222		Common Exc	11	25	25	1.00	
		263	263				
223		Subgrade Exc	0	0	0	1.00	
	0	0					
224		Subsoil Exc	31	44	44	1.00	
	115	115					
225		Fill	0	0	0	1.00	223
	0	0					

226	Mass ordinate for TOPSOIL = 378						
227							
228	38+00.00	EARTH					
229		Common Exc	37	8	8	1.00	
		1393	1393				
230		Subgrade Exc	0	0	0	1.00	
		0	0				
231		Subsoil Exc	0	0	0	1.00	
		0	0				
232		Fill	488	99	99	1.00	132
		1261	1261				
233	TOPSOIL						
234		Common Exc	11	2	2	1.00	
		265	265				
235		Subgrade Exc	0	0	0	1.00	
		0	0				
236		Subsoil Exc	33	7	7	1.00	
		122	122				
237		Fill	0	0	0	1.00	132
		0	0				
238	Mass ordinate for TOPSOIL = 387						
239							
240	38+11.92	EARTH					
241		Common Exc	0	8	8	1.00	
		1401	1401				
242		Subgrade Exc	0	0	0	1.00	
		0	0				
243		Subsoil Exc	0	0	0	1.00	
		0	0				
244		Fill	496	217	217	1.00	-77
		1478	1478				
245	TOPSOIL						
246		Common Exc	0	2	2	1.00	
		267	267				
247		Subgrade Exc	0	0	0	1.00	
		0	0				
248		Subsoil Exc	30	14	14	1.00	
		136	136				
249		Fill	0	0	0	1.00	-77
		0	0				
250	Mass ordinate for TOPSOIL = 403						
251							
252	38+31.87	EARTH					
253		Common Exc	0	0	0	1.00	
		1401	1401				
254		Subgrade Exc	0	0	0	1.00	
		0	0				
255		Subsoil Exc	0	0	0	1.00	
		0	0				
256		Fill	765	466	466	1.00	-543
		1944	1944				
257	TOPSOIL						
258		Common Exc	0	0	0	1.00	
		267	267				
259		Subgrade Exc	0	0	0	1.00	
		0	0				
260		Subsoil Exc	44	27	27	1.00	
		163	163				
261		Fill	0	0	0	1.00	-543
		0	0				
262	Mass ordinate for TOPSOIL = 430						
263							
264	38+40.00	EARTH					
265		Common Exc	0	0	0	1.00	
		1401	1401				
266		Subgrade Exc	0	0	0	1.00	

267		0	0						
		Subsoil	Exc	0	0	0	1.00		
268		0	0						
		Fill		990	264	264	1.00	-807	
		2208		2208					
269		TOPSOIL							
270		Common	Exc	0	0	0	1.00		
		267		267					
271		Subgrade	Exc	0	0	0	1.00		
		0		0					
272		Subsoil	Exc	30	11	11	1.00		
		174		174					
273		Fill		0	0	0	1.00	-807	
		0		0					
274		Mass ordinate	for	TOPSOIL	=	441			
275	FF	G R A N D	S U M M A R Y				T O T A L S		
276		Material Name		Unadjusted	Adjusted		Mult		
277				Volumes	Volumes		Factor		
278				(cu. yd.)	(cu. yd.)				
279		-----		-----	-----		-----		
280		EARTH							
281		Common	Exc	1401	1401	1.00			
282		Subgrade	Exc	0	0	1.00			
283		Subsoil	Exc	0	0	1.00			
284		Fill		2208	2208	1.00			
285		TOPSOIL							
286		Common	Exc	267	267	1.00			
287		Subgrade	Exc	0	0	1.00			
288		Subsoil	Exc	174	174	1.00			
289		Fill		0	0	1.00			
290	FF	S P L I T	S U M M A R Y				T O T A L		
	S								
291				XS Quant	XS Quant	Add/Sub Quant	Add/Sub		
				Quant					
292		Material Name		Unadjusted	Adjusted	Unadjusted	Adjusted		
		Mult							
293				Volume	Volume	Volume	Volume		
				Factor					
294				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.		
				yd.)					
295		-----		-----	-----	-----	-----		

296		EARTH							
297		Common	Exc	1401	1401	0	0		
		1.00							
298		Subgrade	Exc	0	0	0	0		
		1.00							
299		Subsoil	Exc	0	0	0	0		
		1.00							
300		Fill		2208	2208	0	0		
		1.00							
301		TOPSOIL							
302		Common	Exc	267	267	0	0		
		1.00							
303		Subgrade	Exc	0	0	0	0		
		1.00							
304		Subsoil	Exc	174	174	0	0		
		1.00							
305		Fill		0	0	0	0		
		1.00							
306	FF	B A L A N C E	P O I N T	S U M M A R Y					
307		Material Name		Cumulative		Incremental		Mult	
308				Unadjusted	Adjusted	Unadjusted	Adjusted	Factor	
309				Volumes	Volumes	Volumes	Volumes		
310				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)		
311		-----		-----	-----	-----	-----	-----	

312	Station = 38+07.53						
313	EARTH						
314	Common	Exc	1398	1398	1398	1398	1.00
315	Subgrade	Exc	0	0	0	0	1.00
316	Subsoil	Exc	0	0	0	0	1.00
317	Fill		1398	1398	1398	1398	1.00
318	TOPSOIL						
319	Common	Exc	266	266	266	266	1.00
320	Subgrade	Exc	0	0	0	0	1.00
321	Subsoil	Exc	131	131	131	131	1.00
322	Fill		0	0	0	0	1.00
323							

```

1 Input File: ewkprj.inp
2 Output File: Frontage1_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Frontage1.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 lc = 0-1
23 1 21 21 co = 2,6-8,16,18
24 1 22 22
25 1 23 23 Existing Ground Line
26 1 24 24 soil type = Earth
27 1 25 25 roadway exc mult factor = 1.000000
28 1 26 26 subsoil exc mult factor = 1.000000
29 1 27 27 fill mult factor = 1.000000
30 1 28 28 type = line, line_string
31 1 29 29 lvname = SURVEY - GROUND - Top of Ground
32 1 30 30 co = 0
33 1 31 31
34 1 32 32 Existing Unsuitable Material
35 1 33 33 soil type = Topsoil
36 1 34 34 roadway exc mult factor = 1.000000
37 1 35 35 subsoil exc mult factor = 1.000000
38 1 36 36 fill mult factor = 1.000000
39 1 37 37 type = line, line_string
40 1 38 38 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
41 1 39 39 co = 2
42 1 40 40
43 1 41 41 Excavation Limit
44 1 42 42 type = line
45 1 43 43 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
46 1 44 44 co = 0
47 1 45 45
48 1 46 46 Write Earthwork Shapes
49 1 47 47 plot param
50 1 48 48 lv = 347
51 1 49 49 lvname = DESIGN - EARTHWORK - Shapes
52 1 50 50 co = 2
53 1 51 51 wt = 0
54 1 52 52 lc = 0
55 1 53 53 Stratify Shape Color
56 1 54 54
57 1 55 55
58 1 56 56 Add Accumulated Adjusted Volume Column
59 1 57 57
60 1 58 58 Add Accumulated Unadjusted Volume Column
61 1 59 59
62 1 60 60 End Area Decimal Places = 0
63 1 61 61
64 1 62 62 Process Earthwork for Baseline = FRONTAGE1
65 1 63 63 job number = 32n

```

```

66 1 64 64
67 1 65 65 beg sta = 100+00.00 R 1
68 1 66 66 end sta = 103+25.00 R 1
69 0 0 67 END_OF_FILE
70 COMPUTING EARTHWORKS FOR BASELINE = FRONTAGE1
71 COMPUTING EARTHWORKS FOR JOB = 32N
72 FORMING LIST OF XSCHELLS
73 BEGINNING EARTHWORKS COMPUTATION

```

Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass
Accum	Accum				
Station		Volumes	Volumes	Factor	Ordinate
Vol Adj Vol					Unadj
	(sq. ft.)	(cu. yd.)	(cu. yd.)		(cu.
	yd.) (cu. yd.)				yd.)

100+75.00 EARTH					
Common Exc	665	0	0	1.00	
0 0					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	0	0	0	1.00	0
0 0					
TOPSOIL					
Common Exc	44	0	0	1.00	
0 0					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	0	0	0	1.00	0
0 0					
Mass ordinate for TOPSOIL = 0					
100+80.00 EARTH					
Common Exc	680	125	125	1.00	
125 125					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	0	0	0	1.00	125
0 0					
TOPSOIL					
Common Exc	45	8	8	1.00	
8 8					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	0	0	0	1.00	125
0 0					
Mass ordinate for TOPSOIL = 8					
101+00.00 EARTH					
Common Exc	1062	645	645	1.00	
770 770					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	1	0	0	1.00	770
0 0					

108	TOPSOIL					
109	Common Exc	61	39	39	1.00	
	47	47				
110	Subgrade Exc	0	0	0	1.00	
	0	0				
111	Subsoil Exc	1	0	0	1.00	
	0	0				
112	Fill	0	0	0	1.00	770
	0	0				
113	Mass ordinate for TOPSOIL = 47					
114						
115	101+25.00 EARTH					
116	Common Exc	882	900	900	1.00	
	1670	1670				
117	Subgrade Exc	0	0	0	1.00	
	0	0				
118	Subsoil Exc	0	0	0	1.00	
	0	0				
119	Fill	1	1	1	1.00	1669
	1	1				
120	TOPSOIL					
121	Common Exc	50	51	51	1.00	
	98	98				
122	Subgrade Exc	0	0	0	1.00	
	0	0				
123	Subsoil Exc	1	1	1	1.00	
	1	1				
124	Fill	0	0	0	1.00	1669
	0	0				
125	Mass ordinate for TOPSOIL = 99					
126						
127	101+50.00 EARTH					
128	Common Exc	932	840	840	1.00	
	2510	2510				
129	Subgrade Exc	0	0	0	1.00	
	0	0				
130	Subsoil Exc	0	0	0	1.00	
	0	0				
131	Fill	1	1	1	1.00	2508
	2	2				
132	TOPSOIL					
133	Common Exc	50	46	46	1.00	
	144	144				
134	Subgrade Exc	0	0	0	1.00	
	0	0				
135	Subsoil Exc	1	1	1	1.00	
	2	2				
136	Fill	0	0	0	1.00	2508
	0	0				
137	Mass ordinate for TOPSOIL = 146					
138						
139	101+75.00 EARTH					
140	Common Exc	1002	895	895	1.00	
	3405	3405				
141	Subgrade Exc	0	0	0	1.00	
	0	0				
142	Subsoil Exc	0	0	0	1.00	
	0	0				
143	Fill	0	0	0	1.00	3403
	2	2				
144	TOPSOIL					
145	Common Exc	52	47	47	1.00	
	191	191				
146	Subgrade Exc	0	0	0	1.00	
	0	0				
147	Subsoil Exc	0	0	0	1.00	

148	2	2	Fill	0	0	0	1.00	3403
	0	0						
149	Mass ordinate for TOPSOIL = 193							
150								
151	102+00.00 EARTH							
152			Common Exc	1051	950	950	1.00	
			4355	4355				
153			Subgrade Exc	0	0	0	1.00	
	0	0						
154			Subsoil Exc	0	0	0	1.00	
	0	0						
155			Fill	0	0	0	1.00	4353
	2	2						
156	TOPSOIL							
157			Common Exc	53	49	49	1.00	
	240	240						
158			Subgrade Exc	0	0	0	1.00	
	0	0						
159			Subsoil Exc	0	0	0	1.00	
	2	2						
160			Fill	0	0	0	1.00	4353
	0	0						
161	Mass ordinate for TOPSOIL = 242							
162								
163	102+25.00 EARTH							
164			Common Exc	1054	975	975	1.00	
			5330	5330				
165			Subgrade Exc	0	0	0	1.00	
	0	0						
166			Subsoil Exc	0	0	0	1.00	
	0	0						
167			Fill	1	0	0	1.00	5328
	2	2						
168	TOPSOIL							
169			Common Exc	53	49	49	1.00	
	289	289						
170			Subgrade Exc	0	0	0	1.00	
	0	0						
171			Subsoil Exc	1	0	0	1.00	
	2	2						
172			Fill	0	0	0	1.00	5328
	0	0						
173	Mass ordinate for TOPSOIL = 291							
174								
175	102+50.00 EARTH							
176			Common Exc	1078	987	987	1.00	
			6317	6317				
177			Subgrade Exc	0	0	0	1.00	
	0	0						
178			Subsoil Exc	0	0	0	1.00	
	0	0						
179			Fill	0	0	0	1.00	6315
	2	2						
180	TOPSOIL							
181			Common Exc	54	50	50	1.00	
	339	339						
182			Subgrade Exc	0	0	0	1.00	
	0	0						
183			Subsoil Exc	0	0	0	1.00	
	2	2						
184			Fill	0	0	0	1.00	6315
	0	0						
185	Mass ordinate for TOPSOIL = 341							
186								
187	102+75.00 EARTH							

188		Common	Exc	1593	1237	1237	1.00	
		7554		7554				
189		Subgrade	Exc	0	0	0	1.00	
		0	0					
190		Subsoil	Exc	0	0	0	1.00	
		0	0					
191		Fill		1	0	0	1.00	7552
		2		2				
192		TOPSOIL						
193		Common	Exc	75	60	60	1.00	
		399		399				
194		Subgrade	Exc	0	0	0	1.00	
		0	0					
195		Subsoil	Exc	1	0	0	1.00	
		2	2					
196		Fill		0	0	0	1.00	7552
		0	0					
197		Mass ordinate for TOPSOIL = 401						
198								
199	102+92.00	EARTH						
200		Common	Exc	912	789	789	1.00	
		8343		8343				
201		Subgrade	Exc	0	0	0	1.00	
		0	0					
202		Subsoil	Exc	0	0	0	1.00	
		0	0					
203		Fill		0	0	0	1.00	8341
		2		2				
204		TOPSOIL						
205		Common	Exc	49	39	39	1.00	
		438		438				
206		Subgrade	Exc	0	0	0	1.00	
		0	0					
207		Subsoil	Exc	0	0	0	1.00	
		2	2					
208		Fill		0	0	0	1.00	8341
		0	0					
209		Mass ordinate for TOPSOIL = 440						
210								
211	103+00.00	EARTH						
212		Common	Exc	878	265	265	1.00	
		8608		8608				
213		Subgrade	Exc	0	0	0	1.00	
		0	0					
214		Subsoil	Exc	0	0	0	1.00	
		0	0					
215		Fill		0	0	0	1.00	8606
		2		2				
216		TOPSOIL						
217		Common	Exc	49	15	15	1.00	
		453		453				
218		Subgrade	Exc	0	0	0	1.00	
		0	0					
219		Subsoil	Exc	0	0	0	1.00	
		2	2					
220		Fill		0	0	0	1.00	8606
		0	0					
221		Mass ordinate for TOPSOIL = 455						
222								
223	103+25.00	EARTH						
224		Common	Exc	1605	1150	1150	1.00	
		9758		9758				
225		Subgrade	Exc	0	0	0	1.00	
		0	0					
226		Subsoil	Exc	0	0	0	1.00	
		0	0					

227	Fill	0	0	0	1.00	9756
	2	2				
228	TOPSOIL					
229	Common Exc	85	62	62	1.00	
	515	515				
230	Subgrade Exc	0	0	0	1.00	
	0	0				
231	Subsoil Exc	0	0	0	1.00	
	2	2				
232	Fill	0	0	0	1.00	9756
	0	0				

233 Mass ordinate for TOPSOIL = 517

234	G R A N D S U M M A R Y T O T A L S					
235	Material Name	Unadjusted	Adjusted	Mult		
236		Volumes	Volumes	Factor		
237		(cu. yd.)	(cu. yd.)			

238	-----					
239	EARTH					
240	Common Exc	9758	9758	1.00		
241	Subgrade Exc	0	0	1.00		
242	Subsoil Exc	0	0	1.00		
243	Fill	2	2	1.00		
244	TOPSOIL					
245	Common Exc	515	515	1.00		
246	Subgrade Exc	0	0	1.00		
247	Subsoil Exc	2	2	1.00		
248	Fill	0	0	1.00		

249	S P L I T S U M M A R Y T O T A L					
-----	-----------------------------------	--	--	--	--	--

250		XS Quant	XS Quant	Add/Sub Quant	Add/Sub
		Quant			
251	Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted
	Mult				
252		Volume	Volume	Volume	Volume
253		Factor			
		(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.
		yd.)			yd.)

255	-----					
256	EARTH	Common Exc	9758	9758	0	0
		1.00				
257		Subgrade Exc	0	0	0	0
		1.00				
258		Subsoil Exc	0	0	0	0
		1.00				
259		Fill	2	2	0	0
		1.00				
260	TOPSOIL					
261		Common Exc	515	515	0	0
		1.00				
262		Subgrade Exc	0	0	0	0
		1.00				
263		Subsoil Exc	2	2	0	0
		1.00				
264		Fill	0	0	0	0
		1.00				

265

```

1 Input File: ewkprj.inp
2 Output File: Frontage2_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Frontage2.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 lc = 0-1
23 1 21 21 co = 2,6-8,16,18
24 1 22 22
25 1 23 23 Existing Ground Line
26 1 24 24 soil type = Earth
27 1 25 25 roadway exc mult factor = 1.000000
28 1 26 26 subsoil exc mult factor = 1.000000
29 1 27 27 fill mult factor = 1.000000
30 1 28 28 type = line, line_string
31 1 29 29 lvname = SURVEY - GROUND - Top of Ground
32 1 30 30 co = 0
33 1 31 31
34 1 32 32 Existing Unsuitable Material
35 1 33 33 soil type = Topsoil
36 1 34 34 roadway exc mult factor = 1.000000
37 1 35 35 subsoil exc mult factor = 1.000000
38 1 36 36 fill mult factor = 1.000000
39 1 37 37 type = line, line_string
40 1 38 38 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
41 1 39 39 co = 2
42 1 40 40
43 1 41 41 Excavation Limit
44 1 42 42 type = line
45 1 43 43 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
46 1 44 44 co = 0
47 1 45 45
48 1 46 46 Write Earthwork Shapes
49 1 47 47 plot param
50 1 48 48 lv = 347
51 1 49 49 lvname = DESIGN - EARTHWORK - Shapes
52 1 50 50 co = 2
53 1 51 51 wt = 0
54 1 52 52 lc = 0
55 1 53 53 Stratify Shape Color
56 1 54 54
57 1 55 55
58 1 56 56 Add Accumulated Adjusted Volume Column
59 1 57 57
60 1 58 58 Add Accumulated Unadjusted Volume Column
61 1 59 59
62 1 60 60 End Area Decimal Places = 0
63 1 61 61
64 1 62 62 Process Earthwork for Baseline = FRONTAGE2
65 1 63 63 job number = 32n

```

```

66 1 64 64
67 1 65 65 beg sta = 120+00.00 R 1
68 1 66 66 end sta = 142+00.00 R 1
69 0 0 67 END_OF_FILE
70 COMPUTING EARTHWORKS FOR BASELINE = FRONTAGE2
71 COMPUTING EARTHWORKS FOR JOB = 32N
72 FORMING LIST OF XSCHELLS
73 BEGINNING EARTHWORKS COMPUTATION

```

74	FF									
75	Material Name		End Areas	Unadjusted	Adjusted	Mult	Mass			
	Accum		Accum							
76	Station			Volumes	Volumes	Factor	Ordinate	Unadj		
	Vol	Adj	Vol							
77			(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu.		
			yd.) (cu. yd.)							
78	-----									

79	120+00.00	EARTH								
80		Common Exc	2135	0	0	1.00				
		0	0							
81		Subgrade Exc	0	0	0	1.00				
		0	0							
82		Subsoil Exc	0	0	0	1.00				
		0	0							
83		Fill	0	0	0	1.00	0			
		0	0							
84		TOPSOIL								
85		Common Exc	97	0	0	1.00				
		0	0							
86		Subgrade Exc	0	0	0	1.00				
		0	0							
87		Subsoil Exc	0	0	0	1.00				
		0	0							
88		Fill	0	0	0	1.00	0			
		0	0							
89		Mass ordinate for TOPSOIL = 0								
90										
91	120+50.00	EARTH								
92		Common Exc	2619	4402	4402	1.00				
		4402	4402							
93		Subgrade Exc	0	0	0	1.00				
		0	0							
94		Subsoil Exc	0	0	0	1.00				
		0	0							
95		Fill	1	1	1	1.00	4401			
		1	1							
96		TOPSOIL								
97		Common Exc	110	192	192	1.00				
		192	192							
98		Subgrade Exc	0	0	0	1.00				
		0	0							
99		Subsoil Exc	1	1	1	1.00				
		1	1							
100		Fill	0	0	0	1.00	4401			
		0	0							
101		Mass ordinate for TOPSOIL = 193								
102										
103	121+00.00	EARTH								
104		Common Exc	2902	5112	5112	1.00				
		9514	9514							
105		Subgrade Exc	0	0	0	1.00				
		0	0							
106		Subsoil Exc	0	0	0	1.00				
		0	0							
107		Fill	0	1	1	1.00	9512			
		2	2							

108	TOPSOIL					
109	Common Exc	114	207	207	1.00	
	399	399				
110	Subgrade Exc	0	0	0	1.00	
	0	0				
111	Subsoil Exc	0	1	1	1.00	
	2	2				
112	Fill	0	0	0	1.00	9512
	0	0				
113	Mass ordinate for TOPSOIL = 401					
114						
115	121+50.00 EARTH					
116	Common Exc	3123	5579	5579	1.00	
	15093	15093				
117	Subgrade Exc	0	0	0	1.00	
	0	0				
118	Subsoil Exc	0	0	0	1.00	
	0	0				
119	Fill	0	0	0	1.00	15091
	2	2				
120	TOPSOIL					
121	Common Exc	114	211	211	1.00	
	610	610				
122	Subgrade Exc	0	0	0	1.00	
	0	0				
123	Subsoil Exc	0	0	0	1.00	
	2	2				
124	Fill	0	0	0	1.00	15091
	0	0				
125	Mass ordinate for TOPSOIL = 612					
126						
127	122+00.00 EARTH					
128	Common Exc	3226	5879	5879	1.00	
	20972	20972				
129	Subgrade Exc	0	0	0	1.00	
	0	0				
130	Subsoil Exc	0	0	0	1.00	
	0	0				
131	Fill	0	0	0	1.00	20970
	2	2				
132	TOPSOIL					
133	Common Exc	112	209	209	1.00	
	819	819				
134	Subgrade Exc	0	0	0	1.00	
	0	0				
135	Subsoil Exc	0	0	0	1.00	
	2	2				
136	Fill	0	0	0	1.00	20970
	0	0				
137	Mass ordinate for TOPSOIL = 821					
138						
139	122+50.00 EARTH					
140	Common Exc	3226	5974	5974	1.00	
	26946	26946				
141	Subgrade Exc	0	0	0	1.00	
	0	0				
142	Subsoil Exc	0	0	0	1.00	
	0	0				
143	Fill	0	0	0	1.00	26944
	2	2				
144	TOPSOIL					
145	Common Exc	109	205	205	1.00	
	1024	1024				
146	Subgrade Exc	0	0	0	1.00	
	0	0				
147	Subsoil Exc	0	0	0	1.00	

148	2	2	Fill	0	0	0	1.00	26944
	0	0						
149	Mass ordinate for TOPSOIL = 1026							
150								
151	123+00.00 EARTH							
152			Common Exc	3125	5881	5881	1.00	
			32827	32827				
153			Subgrade Exc	0	0	0	1.00	
	0	0						
154			Subsoil Exc	0	0	0	1.00	
	0	0						
155			Fill	0	0	0	1.00	32825
	2	2						
156	TOPSOIL							
157			Common Exc	103	196	196	1.00	
			1220	1220				
158			Subgrade Exc	0	0	0	1.00	
	0	0						
159			Subsoil Exc	0	0	0	1.00	
	2	2						
160			Fill	0	0	0	1.00	32825
	0	0						
161	Mass ordinate for TOPSOIL = 1222							
162								
163	123+50.00 EARTH							
164			Common Exc	2957	5631	5631	1.00	
			38458	38458				
165			Subgrade Exc	0	0	0	1.00	
	0	0						
166			Subsoil Exc	0	0	0	1.00	
	0	0						
167			Fill	0	0	0	1.00	38456
	2	2						
168	TOPSOIL							
169			Common Exc	96	184	184	1.00	
			1404	1404				
170			Subgrade Exc	0	0	0	1.00	
	0	0						
171			Subsoil Exc	0	0	0	1.00	
	2	2						
172			Fill	0	0	0	1.00	38456
	0	0						
173	Mass ordinate for TOPSOIL = 1406							
174								
175	124+00.00 EARTH							
176			Common Exc	2723	5259	5259	1.00	
			43717	43717				
177			Subgrade Exc	0	0	0	1.00	
	0	0						
178			Subsoil Exc	0	0	0	1.00	
	0	0						
179			Fill	0	0	0	1.00	43715
	2	2						
180	TOPSOIL							
181			Common Exc	89	171	171	1.00	
			1575	1575				
182			Subgrade Exc	0	0	0	1.00	
	0	0						
183			Subsoil Exc	0	0	0	1.00	
	2	2						
184			Fill	0	0	0	1.00	43715
	0	0						
185	Mass ordinate for TOPSOIL = 1577							
186								
187	124+50.00 EARTH							

188		Common	Exc	2549	4881	4881	1.00	
		48598		48598				
189		Subgrade	Exc	0	0	0	1.00	
		0	0					
190		Subsoil	Exc	0	0	0	1.00	
		0	0					
191		Fill		0	0	0	1.00	48596
		2		2				
192		TOPSOIL						
193		Common	Exc	86	162	162	1.00	
		1737		1737				
194		Subgrade	Exc	0	0	0	1.00	
		0	0					
195		Subsoil	Exc	0	0	0	1.00	
		2	2					
196		Fill		0	0	0	1.00	48596
		0	0					
197		Mass ordinate for TOPSOIL = 1739						
198								
199	125+00.00	EARTH						
200		Common	Exc	2171	4370	4370	1.00	
		52968		52968				
201		Subgrade	Exc	0	0	0	1.00	
		0	0					
202		Subsoil	Exc	0	0	0	1.00	
		0	0					
203		Fill		0	0	0	1.00	52966
		2		2				
204		TOPSOIL						
205		Common	Exc	77	151	151	1.00	
		1888		1888				
206		Subgrade	Exc	0	0	0	1.00	
		0	0					
207		Subsoil	Exc	0	0	0	1.00	
		2	2					
208		Fill		0	0	0	1.00	52966
		0	0					
209		Mass ordinate for TOPSOIL = 1890						
210								
211	125+50.00	EARTH						
212		Common	Exc	1906	3775	3775	1.00	
		56743		56743				
213		Subgrade	Exc	0	0	0	1.00	
		0	0					
214		Subsoil	Exc	0	0	0	1.00	
		0	0					
215		Fill		0	0	0	1.00	56741
		2		2				
216		TOPSOIL						
217		Common	Exc	71	137	137	1.00	
		2025		2025				
218		Subgrade	Exc	0	0	0	1.00	
		0	0					
219		Subsoil	Exc	0	0	0	1.00	
		2	2					
220		Fill		0	0	0	1.00	56741
		0	0					
221		Mass ordinate for TOPSOIL = 2027						
222								
223	126+00.00	EARTH						
224		Common	Exc	1668	3309	3309	1.00	
		60052		60052				
225		Subgrade	Exc	0	0	0	1.00	
		0	0					
226		Subsoil	Exc	0	0	0	1.00	
		0	0					

227		Fill	0	0	0	1.00	60050
		2	2				
228		TOPSOIL					
229		Common Exc	67	128	128	1.00	
		2153	2153				
230		Subgrade Exc	0	0	0	1.00	
		0	0				
231		Subsoil Exc	0	0	0	1.00	
		2	2				
232		Fill	0	0	0	1.00	60050
		0	0				
233		Mass ordinate for TOPSOIL = 2155					
234							
235	126+50.00	EARTH					
236		Common Exc	1492	2926	2926	1.00	
		62978	62978				
237		Subgrade Exc	0	0	0	1.00	
		0	0				
238		Subsoil Exc	0	0	0	1.00	
		0	0				
239		Fill	0	0	0	1.00	62976
		2	2				
240		TOPSOIL					
241		Common Exc	64	121	121	1.00	
		2274	2274				
242		Subgrade Exc	0	0	0	1.00	
		0	0				
243		Subsoil Exc	0	0	0	1.00	
		2	2				
244		Fill	0	0	0	1.00	62976
		0	0				
245		Mass ordinate for TOPSOIL = 2276					
246							
247	127+00.00	EARTH					
248		Common Exc	1213	2505	2505	1.00	
		65483	65483				
249		Subgrade Exc	0	0	0	1.00	
		0	0				
250		Subsoil Exc	0	0	0	1.00	
		0	0				
251		Fill	0	0	0	1.00	65481
		2	2				
252		TOPSOIL					
253		Common Exc	60	115	115	1.00	
		2389	2389				
254		Subgrade Exc	0	0	0	1.00	
		0	0				
255		Subsoil Exc	0	0	0	1.00	
		2	2				
256		Fill	0	0	0	1.00	65481
		0	0				
257		Mass ordinate for TOPSOIL = 2391					
258							
259	127+50.00	EARTH					
260		Common Exc	1026	2073	2073	1.00	
		67556	67556				
261		Subgrade Exc	0	0	0	1.00	
		0	0				
262		Subsoil Exc	0	0	0	1.00	
		0	0				
263		Fill	0	0	0	1.00	67554
		2	2				
264		TOPSOIL					
265		Common Exc	61	112	112	1.00	
		2501	2501				
266		Subgrade Exc	0	0	0	1.00	

267	0	0					
	Subsoil Exc	0	0	0	1.00		
268	2	2					
	Fill	0	0	0	1.00	67554	
	0	0					
269	Mass ordinate for TOPSOIL = 2503						
270							
271	128+00.00 EARTH						
272	Common Exc	721	1618	1618	1.00		
	69174	69174					
273	Subgrade Exc	0	0	0	1.00		
	0	0					
274	Subsoil Exc	0	0	0	1.00		
	0	0					
275	Fill	1	1	1	1.00	69171	
	3	3					
276	TOPSOIL						
277	Common Exc	59	111	111	1.00		
	2612	2612					
278	Subgrade Exc	0	0	0	1.00		
	0	0					
279	Subsoil Exc	1	1	1	1.00		
	3	3					
280	Fill	0	0	0	1.00	69171	
	0	0					
281	Mass ordinate for TOPSOIL = 2615						
282							
283	128+50.00 EARTH						
284	Common Exc	534	1162	1162	1.00		
	70336	70336					
285	Subgrade Exc	0	0	0	1.00		
	0	0					
286	Subsoil Exc	0	0	0	1.00		
	0	0					
287	Fill	1	2	2	1.00	70331	
	5	5					
288	TOPSOIL						
289	Common Exc	56	106	106	1.00		
	2718	2718					
290	Subgrade Exc	0	0	0	1.00		
	0	0					
291	Subsoil Exc	1	2	2	1.00		
	5	5					
292	Fill	0	0	0	1.00	70331	
	0	0					
293	Mass ordinate for TOPSOIL = 2723						
294							
295	129+00.00 EARTH						
296	Common Exc	316	787	787	1.00		
	71123	71123					
297	Subgrade Exc	0	0	0	1.00		
	0	0					
298	Subsoil Exc	0	0	0	1.00		
	0	0					
299	Fill	1	2	2	1.00	71116	
	7	7					
300	TOPSOIL						
301	Common Exc	53	101	101	1.00		
	2819	2819					
302	Subgrade Exc	0	0	0	1.00		
	0	0					
303	Subsoil Exc	1	2	2	1.00		
	7	7					
304	Fill	0	0	0	1.00	71116	
	0	0					
305	Mass ordinate for TOPSOIL = 2826						

306							
307	129+50.00	EARTH					
308		Common Exc	170	450	450	1.00	
		71573	71573				
309		Subgrade Exc	0	0	0	1.00	
		0	0				
310		Subsoil Exc	0	0	0	1.00	
		0	0				
311		Fill	1	2	2	1.00	71564
		9	9				
312		TOPSOIL					
313		Common Exc	51	96	96	1.00	
		2915	2915				
314		Subgrade Exc	0	0	0	1.00	
		0	0				
315		Subsoil Exc	1	2	2	1.00	
		9	9				
316		Fill	0	0	0	1.00	71564
		0	0				
317		Mass ordinate for TOPSOIL = 2924					
318							
319	130+00.00	EARTH					
320		Common Exc	109	258	258	1.00	
		71831	71831				
321		Subgrade Exc	0	0	0	1.00	
		0	0				
322		Subsoil Exc	0	0	0	1.00	
		0	0				
323		Fill	23	22	22	1.00	71800
		31	31				
324		TOPSOIL					
325		Common Exc	35	80	80	1.00	
		2995	2995				
326		Subgrade Exc	0	0	0	1.00	
		0	0				
327		Subsoil Exc	16	16	16	1.00	
		25	25				
328		Fill	0	0	0	1.00	71800
		0	0				
329		Mass ordinate for TOPSOIL = 3020					
330							
331	130+50.00	EARTH					
332		Common Exc	75	170	170	1.00	
		72001	72001				
333		Subgrade Exc	0	0	0	1.00	
		0	0				
334		Subsoil Exc	0	0	0	1.00	
		0	0				
335		Fill	39	57	57	1.00	71913
		88	88				
336		TOPSOIL					
337		Common Exc	29	59	59	1.00	
		3054	3054				
338		Subgrade Exc	0	0	0	1.00	
		0	0				
339		Subsoil Exc	21	34	34	1.00	
		59	59				
340		Fill	0	0	0	1.00	71913
		0	0				
341		Mass ordinate for TOPSOIL = 3113					
342							
343	131+00.00	EARTH					
344		Common Exc	71	135	135	1.00	
		72136	72136				
345		Subgrade Exc	0	0	0	1.00	
		0	0				

346		Subsoil Exc	0	0	0	1.00	
	0	0					
347		Fill	33	67	67	1.00	71981
		155	155				
348		TOPSOIL					
349		Common Exc	28	53	53	1.00	
		3107	3107				
350		Subgrade Exc	0	0	0	1.00	
	0	0					
351		Subsoil Exc	20	38	38	1.00	
	97	97					
352		Fill	0	0	0	1.00	71981
	0	0					
353		Mass ordinate for TOPSOIL = 3204					
354							
355	131+50.00	EARTH					
356		Common Exc	58	119	119	1.00	
		72255	72255				
357		Subgrade Exc	0	0	0	1.00	
	0	0					
358		Subsoil Exc	0	0	0	1.00	
	0	0					
359		Fill	47	74	74	1.00	72026
		229	229				
360		TOPSOIL					
361		Common Exc	21	45	45	1.00	
		3152	3152				
362		Subgrade Exc	0	0	0	1.00	
	0	0					
363		Subsoil Exc	24	41	41	1.00	
	138	138					
364		Fill	0	0	0	1.00	72026
	0	0					
365		Mass ordinate for TOPSOIL = 3290					
366							
367	132+00.00	EARTH					
368		Common Exc	52	102	102	1.00	
		72357	72357				
369		Subgrade Exc	0	0	0	1.00	
	0	0					
370		Subsoil Exc	0	0	0	1.00	
	0	0					
371		Fill	61	100	100	1.00	72028
		329	329				
372		TOPSOIL					
373		Common Exc	20	38	38	1.00	
		3190	3190				
374		Subgrade Exc	0	0	0	1.00	
	0	0					
375		Subsoil Exc	26	46	46	1.00	
	184	184					
376		Fill	0	0	0	1.00	72028
	0	0					
377		Mass ordinate for TOPSOIL = 3374					
378							
379	132+50.00	EARTH					
380		Common Exc	65	108	108	1.00	
		72465	72465				
381		Subgrade Exc	0	0	0	1.00	
	0	0					
382		Subsoil Exc	0	0	0	1.00	
	0	0					
383		Fill	44	97	97	1.00	72039
		426	426				
384		TOPSOIL					
385		Common Exc	24	41	41	1.00	

386	3231	3231					
	Subgrade	Exc	0	0	0	1.00	
387	0	0					
	Subsoil	Exc	24	46	46	1.00	
	230	230					
388	Fill		0	0	0	1.00	72039
	0	0					
389	Mass ordinate for TOPSOIL = 3461						
390							
391	133+00.00 EARTH						
392	Common	Exc	41	98	98	1.00	
	72563	72563					
393	Subgrade	Exc	0	0	0	1.00	
	0	0					
394	Subsoil	Exc	0	0	0	1.00	
	0	0					
395	Fill		52	89	89	1.00	72048
	515	515					
396	TOPSOIL						
397	Common	Exc	22	43	43	1.00	
	3274	3274					
398	Subgrade	Exc	0	0	0	1.00	
	0	0					
399	Subsoil	Exc	26	46	46	1.00	
	276	276					
400	Fill		0	0	0	1.00	72048
	0	0					
401	Mass ordinate for TOPSOIL = 3550						
402							
403	133+50.00 EARTH						
404	Common	Exc	48	82	82	1.00	
	72645	72645					
405	Subgrade	Exc	0	0	0	1.00	
	0	0					
406	Subsoil	Exc	0	0	0	1.00	
	0	0					
407	Fill		62	106	106	1.00	72024
	621	621					
408	TOPSOIL						
409	Common	Exc	21	40	40	1.00	
	3314	3314					
410	Subgrade	Exc	0	0	0	1.00	
	0	0					
411	Subsoil	Exc	25	47	47	1.00	
	323	323					
412	Fill		0	0	0	1.00	72024
	0	0					
413	Mass ordinate for TOPSOIL = 3637						
414							
415	134+00.00 EARTH						
416	Common	Exc	57	97	97	1.00	
	72742	72742					
417	Subgrade	Exc	0	0	0	1.00	
	0	0					
418	Subsoil	Exc	0	0	0	1.00	
	0	0					
419	Fill		44	98	98	1.00	72023
	719	719					
420	TOPSOIL						
421	Common	Exc	23	41	41	1.00	
	3355	3355					
422	Subgrade	Exc	0	0	0	1.00	
	0	0					
423	Subsoil	Exc	23	44	44	1.00	
	367	367					
424	Fill		0	0	0	1.00	72023

425	0	0	Mass ordinate for TOPSOIL = 3722			
426						
427	134+50.00	EARTH				
428		Common Exc	50	99	99	1.00
		72841	72841			
429		Subgrade Exc	0	0	0	1.00
		0	0			
430		Subsoil Exc	0	0	0	1.00
		0	0			
431		Fill	35	73	73	1.00
		792	792			72049
432		TOPSOIL				
433		Common Exc	21	41	41	1.00
		3396	3396			
434		Subgrade Exc	0	0	0	1.00
		0	0			
435		Subsoil Exc	22	42	42	1.00
		409	409			
436		Fill	0	0	0	1.00
		0	0			72049
437		Mass ordinate for TOPSOIL = 3805				
438						
439	135+00.00	EARTH				
440		Common Exc	93	132	132	1.00
		72973	72973			
441		Subgrade Exc	0	0	0	1.00
		0	0			
442		Subsoil Exc	0	0	0	1.00
		0	0			
443		Fill	45	74	74	1.00
		866	866			72107
444		TOPSOIL				
445		Common Exc	18	36	36	1.00
		3432	3432			
446		Subgrade Exc	0	0	0	1.00
		0	0			
447		Subsoil Exc	23	42	42	1.00
		451	451			
448		Fill	0	0	0	1.00
		0	0			72107
449		Mass ordinate for TOPSOIL = 3883				
450						
451	135+50.00	EARTH				
452		Common Exc	80	160	160	1.00
		73133	73133			
453		Subgrade Exc	0	0	0	1.00
		0	0			
454		Subsoil Exc	0	0	0	1.00
		0	0			
455		Fill	48	86	86	1.00
		952	952			72181
456		TOPSOIL				
457		Common Exc	16	31	31	1.00
		3463	3463			
458		Subgrade Exc	0	0	0	1.00
		0	0			
459		Subsoil Exc	19	39	39	1.00
		490	490			
460		Fill	0	0	0	1.00
		0	0			72181
461		Mass ordinate for TOPSOIL = 3953				
462						
463	136+00.00	EARTH				
464		Common Exc	101	168	168	1.00
		73301	73301			

465		Subgrade Exc	0	0	0	1.00	
	0	0					
466		Subsoil Exc	0	0	0	1.00	
	0	0					
467		Fill	48	89	89	1.00	72260
		1041	1041				
468		TOPSOIL					
469		Common Exc	17	31	31	1.00	
	3494	3494					
470		Subgrade Exc	0	0	0	1.00	
	0	0					
471		Subsoil Exc	16	32	32	1.00	
	522	522					
472		Fill	0	0	0	1.00	72260
	0	0					
473		Mass ordinate for TOPSOIL = 4016					
474							
475	136+50.00	EARTH					
476		Common Exc	87	174	174	1.00	
		73475	73475				
477		Subgrade Exc	0	0	0	1.00	
	0	0					
478		Subsoil Exc	0	0	0	1.00	
	0	0					
479		Fill	35	77	77	1.00	72357
		1118	1118				
480		TOPSOIL					
481		Common Exc	23	37	37	1.00	
		3531	3531				
482		Subgrade Exc	0	0	0	1.00	
	0	0					
483		Subsoil Exc	15	29	29	1.00	
	551	551					
484		Fill	0	0	0	1.00	72357
	0	0					
485		Mass ordinate for TOPSOIL = 4082					
486							
487	137+00.00	EARTH					
488		Common Exc	66	142	142	1.00	
		73617	73617				
489		Subgrade Exc	0	0	0	1.00	
	0	0					
490		Subsoil Exc	0	0	0	1.00	
	0	0					
491		Fill	41	70	70	1.00	72429
		1188	1188				
492		TOPSOIL					
493		Common Exc	21	41	41	1.00	
		3572	3572				
494		Subgrade Exc	0	0	0	1.00	
	0	0					
495		Subsoil Exc	15	28	28	1.00	
	579	579					
496		Fill	0	0	0	1.00	72429
	0	0					
497		Mass ordinate for TOPSOIL = 4151					
498							
499	137+50.00	EARTH					
500		Common Exc	49	106	106	1.00	
		73723	73723				
501		Subgrade Exc	0	0	0	1.00	
	0	0					
502		Subsoil Exc	0	0	0	1.00	
	0	0					
503		Fill	38	73	73	1.00	72462
		1261	1261				

504		TOPSOIL					
505		Common Exc	20	38	38	1.00	
		3610	3610				
506		Subgrade Exc	0	0	0	1.00	
		0	0				
507		Subsoil Exc	15	28	28	1.00	
		607	607				
508		Fill	0	0	0	1.00	72462
		0	0				
509		Mass ordinate for TOPSOIL = 4217					
510							
511	138+00.00	EARTH					
512		Common Exc	54	95	95	1.00	
		73818	73818				
513		Subgrade Exc	0	0	0	1.00	
		0	0				
514		Subsoil Exc	0	0	0	1.00	
		0	0				
515		Fill	43	75	75	1.00	72482
		1336	1336				
516		TOPSOIL					
517		Common Exc	22	39	39	1.00	
		3649	3649				
518		Subgrade Exc	0	0	0	1.00	
		0	0				
519		Subsoil Exc	14	27	27	1.00	
		634	634				
520		Fill	0	0	0	1.00	72482
		0	0				
521		Mass ordinate for TOPSOIL = 4283					
522							
523	138+50.00	EARTH					
524		Common Exc	22	70	70	1.00	
		73888	73888				
525		Subgrade Exc	0	0	0	1.00	
		0	0				
526		Subsoil Exc	0	0	0	1.00	
		0	0				
527		Fill	65	100	100	1.00	72452
		1436	1436				
528		TOPSOIL					
529		Common Exc	11	31	31	1.00	
		3680	3680				
530		Subgrade Exc	0	0	0	1.00	
		0	0				
531		Subsoil Exc	9	21	21	1.00	
		655	655				
532		Fill	0	0	0	1.00	72452
		0	0				
533		Mass ordinate for TOPSOIL = 4335					
534							
535	139+00.00	EARTH					
536		Common Exc	25	44	44	1.00	
		73932	73932				
537		Subgrade Exc	0	0	0	1.00	
		0	0				
538		Subsoil Exc	0	0	0	1.00	
		0	0				
539		Fill	29	87	87	1.00	72409
		1523	1523				
540		TOPSOIL					
541		Common Exc	11	20	20	1.00	
		3700	3700				
542		Subgrade Exc	0	0	0	1.00	
		0	0				
543		Subsoil Exc	8	16	16	1.00	

544	671	671					
	Fill		0	0	0	1.00	72409
	0	0					
545	Mass ordinate for TOPSOIL = 4371						
546							
547	139+50.00	EARTH					
548	Common Exc	28	49	49	1.00		
	73981	73981					
549	Subgrade Exc	0	0	0	1.00		
	0	0					
550	Subsoil Exc	0	0	0	1.00		
	0	0					
551	Fill	23	48	48	1.00		72410
	1571	1571					
552	TOPSOIL						
553	Common Exc	13	22	22	1.00		
	3722	3722					
554	Subgrade Exc	0	0	0	1.00		
	0	0					
555	Subsoil Exc	5	12	12	1.00		
	683	683					
556	Fill	0	0	0	1.00		72410
	0	0					
557	Mass ordinate for TOPSOIL = 4405						
558							
559	140+00.00	EARTH					
560	Common Exc	4	30	30	1.00		
	74011	74011					
561	Subgrade Exc	0	0	0	1.00		
	0	0					
562	Subsoil Exc	0	0	0	1.00		
	0	0					
563	Fill	0	21	21	1.00		72419
	1592	1592					
564	TOPSOIL						
565	Common Exc	0	12	12	1.00		
	3734	3734					
566	Subgrade Exc	0	0	0	1.00		
	0	0					
567	Subsoil Exc	0	5	5	1.00		
	688	688					
568	Fill	0	0	0	1.00		72419
	0	0					
569	Mass ordinate for TOPSOIL = 4422						
570							
571	140+50.00	EARTH					
572	Common Exc	2	6	6	1.00		
	74017	74017					
573	Subgrade Exc	0	0	0	1.00		
	0	0					
574	Subsoil Exc	0	0	0	1.00		
	0	0					
575	Fill	0	0	0	1.00		72425
	1592	1592					
576	G R A N D S U M M A R Y T O T A L S						
577	Material Name		Unadjusted	Adjusted	Mult		
578			Volumes	Volumes	Factor		
579			(cu. yd.)	(cu. yd.)			
580	-----						
581	EARTH						
582	Common Exc		74017	74017	1.00		
583	Subgrade Exc		0	0	1.00		
584	Subsoil Exc		0	0	1.00		
585	Fill		1592	1592	1.00		
586	TOPSOIL						
587	Common Exc		3734	3734	1.00		

588		Subgrade	Exc	0	0	1.00
589		Subsoil	Exc	688	688	1.00
590		Fill		0	0	1.00
591	SS	S P L I T	S U M M A R Y	T O T A L		

S

592				XS Quant	XS Quant	Add/Sub Quant	Add/Sub
593		Material Name		Quant			
594		Mult		Unadjusted	Adjusted	Unadjusted	Adjusted
595				Volume	Volume	Volume	Volume
596				Factor			
597				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.
598				yd.)			
599							
600							
601							
602							
603							
604							
605							
606							
607							

```

1 Input File: ewkprj.inp
2 Output File: Frontage3_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Frontage3.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 lc = 0-1
23 1 21 21 co = 2,6-8,16,18
24 1 22 22
25 1 23 23 Existing Ground Line
26 1 24 24 soil type = Earth
27 1 25 25 roadway exc mult factor = 1.000000
28 1 26 26 subsoil exc mult factor = 1.000000
29 1 27 27 fill mult factor = 1.000000
30 1 28 28 type = line, line_string
31 1 29 29 lvname = SURVEY - GROUND - Top of Ground
32 1 30 30 co = 0
33 1 31 31
34 1 32 32 Existing Unsuitable Material
35 1 33 33 soil type = Topsoil
36 1 34 34 roadway exc mult factor = 1.000000
37 1 35 35 subsoil exc mult factor = 1.000000
38 1 36 36 fill mult factor = 1.000000
39 1 37 37 type = line, line_string
40 1 38 38 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
41 1 39 39 co = 2
42 1 40 40
43 1 41 41 Excavation Limit
44 1 42 42 type = line
45 1 43 43 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
46 1 44 44 co = 0
47 1 45 45
48 1 46 46 Write Earthwork Shapes
49 1 47 47 plot param
50 1 48 48 lv = 347
51 1 49 49 lvname = DESIGN - EARTHWORK - Shapes
52 1 50 50 co = 2
53 1 51 51 wt = 0
54 1 52 52 lc = 0
55 1 53 53 Stratify Shape Color
56 1 54 54
57 1 55 55
58 1 56 56 Add Accumulated Adjusted Volume Column
59 1 57 57
60 1 58 58 Add Accumulated Unadjusted Volume Column
61 1 59 59
62 1 60 60 End Area Decimal Places = 0
63 1 61 61
64 1 62 62 Process Earthwork for Baseline = FRONTAGE3
65 1 63 63 job number = 32n

```

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66 1 64 64
67 1 65 65 beg sta = 140+00.00 R 1
68 1 66 66 end sta = 150+48.00 R 1
69 0 0 67 END_OF_FILE
70 COMPUTING EARTHWORKS FOR BASELINE = FRONTAGE3
71 COMPUTING EARTHWORKS FOR JOB = 32N
72 FORMING LIST OF XSCHELLS
73 BEGINNING EARTHWORKS COMPUTATION

```

Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass
Accum	Accum				
Station		Volumes	Volumes	Factor	Ordinate
Vol Adj Vol					Unadj
	(sq. ft.)	(cu. yd.)	(cu. yd.)		(cu.
	yd.) (cu. yd.)				yd.)

141+00.00 EARTH					
Common Exc	0	0	0	1.00	
0 0					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	0	0	0	1.00	0
0 0					
141+50.00 EARTH					
Common Exc	40	37	37	1.00	
37 37					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	5	5	5	1.00	32
5 5					
TOPSOIL					
Common Exc	16	15	15	1.00	
15 15					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	4	4	4	1.00	
4 4					
Fill	0	0	0	1.00	32
0 0					
Mass ordinate for TOPSOIL = 19					
142+00.00 EARTH					
Common Exc	38	72	72	1.00	
109 109					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	0	0	0	1.00	
0 0					
Fill	6	10	10	1.00	94
15 15					
TOPSOIL					
Common Exc	16	30	30	1.00	
45 45					
Subgrade Exc	0	0	0	1.00	
0 0					
Subsoil Exc	4	7	7	1.00	
11 11					
Fill	0	0	0	1.00	94
0 0					
Mass ordinate for TOPSOIL = 56					

108							
109	142+50.00	EARTH					
110		Common Exc	49	81	81	1.00	
		190	190				
111		Subgrade Exc	0	0	0	1.00	
		0	0				
112		Subsoil Exc	0	0	0	1.00	
		0	0				
113		Fill	10	15	15	1.00	160
		30	30				
114		TOPSOIL					
115		Common Exc	15	29	29	1.00	
		74	74				
116		Subgrade Exc	0	0	0	1.00	
		0	0				
117		Subsoil Exc	6	9	9	1.00	
		20	20				
118		Fill	0	0	0	1.00	160
		0	0				
119		Mass ordinate for TOPSOIL = 94					
120							
121	143+00.00	EARTH					
122		Common Exc	59	100	100	1.00	
		290	290				
123		Subgrade Exc	0	0	0	1.00	
		0	0				
124		Subsoil Exc	0	0	0	1.00	
		0	0				
125		Fill	16	24	24	1.00	236
		54	54				
126		TOPSOIL					
127		Common Exc	15	28	28	1.00	
		102	102				
128		Subgrade Exc	0	0	0	1.00	
		0	0				
129		Subsoil Exc	7	12	12	1.00	
		32	32				
130		Fill	0	0	0	1.00	236
		0	0				
131		Mass ordinate for TOPSOIL = 134					
132							
133	143+50.00	EARTH					
134		Common Exc	17	70	70	1.00	
		360	360				
135		Subgrade Exc	0	0	0	1.00	
		0	0				
136		Subsoil Exc	0	0	0	1.00	
		0	0				
137		Fill	42	54	54	1.00	252
		108	108				
138		TOPSOIL					
139		Common Exc	5	19	19	1.00	
		121	121				
140		Subgrade Exc	0	0	0	1.00	
		0	0				
141		Subsoil Exc	21	26	26	1.00	
		58	58				
142		Fill	0	0	0	1.00	252
		0	0				
143		Mass ordinate for TOPSOIL = 179					
144							
145	144+00.00	EARTH					
146		Common Exc	0	16	16	1.00	
		376	376				
147		Subgrade Exc	0	0	0	1.00	
		0	0				

148		Subsoil Exc	0	0	0	1.00	
		0	0				
149		Fill	79	112	112	1.00	156
		220	220				
150		TOPSOIL					
151		Common Exc	1	6	6	1.00	
		127	127				
152		Subgrade Exc	0	0	0	1.00	
		0	0				
153		Subsoil Exc	25	43	43	1.00	
		101	101				
154		Fill	0	0	0	1.00	156
		0	0				
155		Mass ordinate for TOPSOIL = 228					
156							
157	144+50.00	EARTH					
158		Common Exc	0	0	0	1.00	
		376	376				
159		Subgrade Exc	0	0	0	1.00	
		0	0				
160		Subsoil Exc	0	0	0	1.00	
		0	0				
161		Fill	114	179	179	1.00	-23
		399	399				
162		TOPSOIL					
163		Common Exc	0	1	1	1.00	
		128	128				
164		Subgrade Exc	0	0	0	1.00	
		0	0				
165		Subsoil Exc	27	48	48	1.00	
		149	149				
166		Fill	0	0	0	1.00	-23
		0	0				
167		Mass ordinate for TOPSOIL = 277					
168							
169	145+00.00	EARTH					
170		Common Exc	0	0	0	1.00	
		376	376				
171		Subgrade Exc	0	0	0	1.00	
		0	0				
172		Subsoil Exc	0	0	0	1.00	
		0	0				
173		Fill	202	293	293	1.00	-316
		692	692				
174		TOPSOIL					
175		Common Exc	0	0	0	1.00	
		128	128				
176		Subgrade Exc	0	0	0	1.00	
		0	0				
177		Subsoil Exc	32	55	55	1.00	
		204	204				
178		Fill	0	0	0	1.00	-316
		0	0				
179		Mass ordinate for TOPSOIL = 332					
180							
181	145+50.00	EARTH					
182		Common Exc	0	0	0	1.00	
		376	376				
183		Subgrade Exc	0	0	0	1.00	
		0	0				
184		Subsoil Exc	0	0	0	1.00	
		0	0				
185		Fill	222	393	393	1.00	-709
		1085	1085				
186		TOPSOIL					
187		Common Exc	0	0	0	1.00	

188	128	128					
	Subgrade Exc		0	0	0	1.00	
189	0	0					
	Subsoil Exc		33	60	60	1.00	
190	264	264					
	Fill		0	0	0	1.00	-709
191	0	0					
192	Mass ordinate for TOPSOIL = 392						
193	146+00.00 EARTH						
194	Common Exc		0	0	0	1.00	
195	376	376					
	Subgrade Exc		0	0	0	1.00	
196	0	0					
	Subsoil Exc		0	0	0	1.00	
197	0	0					
	Fill		230	419	419	1.00	-1128
198	1504	1504					
199	TOPSOIL						
200	Common Exc		0	0	0	1.00	
201	128	128					
	Subgrade Exc		0	0	0	1.00	
202	0	0					
	Subsoil Exc		35	63	63	1.00	
203	327	327					
204	Fill		0	0	0	1.00	-1128
205	0	0					
206	Mass ordinate for TOPSOIL = 455						
207	146+50.00 EARTH						
208	Common Exc		0	0	0	1.00	
209	376	376					
	Subgrade Exc		0	0	0	1.00	
210	0	0					
	Subsoil Exc		0	0	0	1.00	
211	0	0					
	Fill		188	387	387	1.00	-1515
212	1891	1891					
213	TOPSOIL						
214	Common Exc		0	0	0	1.00	
215	128	128					
	Subgrade Exc		0	0	0	1.00	
216	0	0					
	Subsoil Exc		32	62	62	1.00	
217	389	389					
218	Fill		0	0	0	1.00	-1515
219	0	0					
220	Mass ordinate for TOPSOIL = 517						
221	147+00.00 EARTH						
222	Common Exc		0	0	0	1.00	
223	376	376					
	Subgrade Exc		0	0	0	1.00	
224	0	0					
	Subsoil Exc		0	0	0	1.00	
225	0	0					
	Fill		172	333	333	1.00	-1848
226	2224	2224					
227	TOPSOIL						
228	Common Exc		0	0	0	1.00	
229	128	128					
	Subgrade Exc		0	0	0	1.00	
230	0	0					
	Subsoil Exc		30	57	57	1.00	
231	446	446					
232	Fill		0	0	0	1.00	-1848

227		0	0					
228		Mass ordinate for TOPSOIL = 574						
229	147+50.00	EARTH						
230		Common Exc	0	0	0	1.00		
		376	376					
231		Subgrade Exc	0	0	0	1.00		
		0	0					
232		Subsoil Exc	0	0	0	1.00		
		0	0					
233		Fill	148	296	296	1.00	-2144	
		2520	2520					
234		TOPSOIL						
235		Common Exc	0	0	0	1.00		
		128	128					
236		Subgrade Exc	0	0	0	1.00		
		0	0					
237		Subsoil Exc	28	54	54	1.00		
		500	500					
238		Fill	0	0	0	1.00	-2144	
		0	0					
239		Mass ordinate for TOPSOIL = 628						
240								
241	148+00.00	EARTH						
242		Common Exc	1	1	1	1.00		
		377	377					
243		Subgrade Exc	0	0	0	1.00		
		0	0					
244		Subsoil Exc	0	0	0	1.00		
		0	0					
245		Fill	147	273	273	1.00	-2416	
		2793	2793					
246		TOPSOIL						
247		Common Exc	2	2	2	1.00		
		130	130					
248		Subgrade Exc	0	0	0	1.00		
		0	0					
249		Subsoil Exc	30	54	54	1.00		
		554	554					
250		Fill	0	0	0	1.00	-2416	
		0	0					
251		Mass ordinate for TOPSOIL = 684						
252								
253	148+50.00	EARTH						
254		Common Exc	0	1	1	1.00		
		378	378					
255		Subgrade Exc	0	0	0	1.00		
		0	0					
256		Subsoil Exc	0	0	0	1.00		
		0	0					
257		Fill	117	244	244	1.00	-2659	
		3037	3037					
258		TOPSOIL						
259		Common Exc	2	4	4	1.00		
		134	134					
260		Subgrade Exc	0	0	0	1.00		
		0	0					
261		Subsoil Exc	28	54	54	1.00		
		608	608					
262		Fill	0	0	0	1.00	-2659	
		0	0					
263		Mass ordinate for TOPSOIL = 742						
264								
265	149+00.00	EARTH						
266		Common Exc	2	2	2	1.00		
		380	380					

267		Subgrade Exc	0	0	0	1.00	
		0	0				
268		Subsoil Exc	0	0	0	1.00	
		0	0				
269		Fill	100	201	201	1.00	-2858
		3238	3238				
270		TOPSOIL					
271		Common Exc	5	6	6	1.00	
		140	140				
272		Subgrade Exc	0	0	0	1.00	
		0	0				
273		Subsoil Exc	26	50	50	1.00	
		658	658				
274		Fill	0	0	0	1.00	-2858
		0	0				
275		Mass ordinate for TOPSOIL = 798					
276							
277	149+50.00	EARTH					
278		Common Exc	15	16	16	1.00	
		396	396				
279		Subgrade Exc	0	0	0	1.00	
		0	0				
280		Subsoil Exc	0	0	0	1.00	
		0	0				
281		Fill	49	138	138	1.00	-2980
		3376	3376				
282		TOPSOIL					
283		Common Exc	9	13	13	1.00	
		153	153				
284		Subgrade Exc	0	0	0	1.00	
		0	0				
285		Subsoil Exc	23	45	45	1.00	
		703	703				
286		Fill	0	0	0	1.00	-2980
		0	0				
287		Mass ordinate for TOPSOIL = 856					
288							
289	150+00.00	EARTH					
290		Common Exc	41	52	52	1.00	
		448	448				
291		Subgrade Exc	0	0	0	1.00	
		0	0				
292		Subsoil Exc	0	0	0	1.00	
		0	0				
293		Fill	33	76	76	1.00	-3004
		3452	3452				
294		TOPSOIL					
295		Common Exc	18	25	25	1.00	
		178	178				
296		Subgrade Exc	0	0	0	1.00	
		0	0				
297		Subsoil Exc	17	37	37	1.00	
		740	740				
298		Fill	0	0	0	1.00	-3004
		0	0				
299		Mass ordinate for TOPSOIL = 918					
300							
301	150+48.00	EARTH					
302		Common Exc	68	97	97	1.00	
		545	545				
303		Subgrade Exc	0	0	0	1.00	
		0	0				
304		Subsoil Exc	0	0	0	1.00	
		0	0				
305		Fill	1	30	30	1.00	-2937
		3482	3482				

306		TOPSOIL							
307		Common Exc	41	52	52	1.00			
		230	230						
308		Subgrade Exc	0	0	0	1.00			
		0	0						
309		Subsoil Exc	1	16	16	1.00			
		756	756						
310		Fill	0	0	0	1.00		-2937	
		0	0						
311		Mass ordinate for	TOPSOIL = 986						
312	☐☐	G R A N D	S U M M A R Y	T O T A L S					
313		Material Name	Unadjusted	Adjusted	Mult				
314			Volumes	Volumes	Factor				
315			(cu. yd.)	(cu. yd.)					
316		-----	-----	-----	-----				
317		EARTH							
318		Common Exc	545	545	1.00				
319		Subgrade Exc	0	0	1.00				
320		Subsoil Exc	0	0	1.00				
321		Fill	3482	3482	1.00				
322		TOPSOIL							
323		Common Exc	230	230	1.00				
324		Subgrade Exc	0	0	1.00				
325		Subsoil Exc	756	756	1.00				
326		Fill	0	0	1.00				
327	☐☐	S P L I T	S U M M A R Y	T O T A L					
	S								
328			XS Quant	XS Quant	Add/Sub Quant	Add/Sub			
			Quant						
329		Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted			
		Mult							
330			Volume	Volume	Volume	Volume			
			Factor						
331			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.			
			yd.)						
332		-----	-----	-----	-----	-----			

333		EARTH							
334		Common Exc	545	545	0	0			
		1.00							
335		Subgrade Exc	0	0	0	0			
		1.00							
336		Subsoil Exc	0	0	0	0			
		1.00							
337		Fill	3482	3482	0	0			
		1.00							
338		TOPSOIL							
339		Common Exc	230	230	0	0			
		1.00							
340		Subgrade Exc	0	0	0	0			
		1.00							
341		Subsoil Exc	756	756	0	0			
		1.00							
342		Fill	0	0	0	0			
		1.00							
343	☐☐	B A L A N C E	P O I N T	S U M M A R Y					
344		Material Name	Cumulative	Incremental	Mult				
			Unadjusted	Adjusted	Unadjusted	Adjusted	Factor		
345			Volumes	Volumes	Volumes	Volumes			
346			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)			
347			-----	-----	-----	-----			
348									
349		Station = 144+43.58							
350		EARTH							
351		Common Exc	376	376	376	376	1.00		
352		Subgrade Exc	0	0	0	0	1.00		
353		Subsoil Exc	0	0	0	0	1.00		

354		Fill		376	376	376	376	1.00
355	TOPSOIL							
356		Common Exc		128	128	128	128	1.00
357		Subgrade Exc		0	0	0	0	1.00
358		Subsoil Exc		143	143	143	143	1.00
359		Fill		0	0	0	0	1.00
360								

```

1 Input File: ewkprj.inp
2 Output File: NewKirby_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-NewKirby.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 2,6-8,16,18
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 lvname = DESIGN - SCRATCH - User 5
32 1 30 30 co = 0,11
33 1 31 31
34 1 32 32 Existing Unsuitable Material
35 1 33 33 soil type = Topsoil
36 1 34 34 roadway exc mult factor = 1.000000
37 1 35 35 subsoil exc mult factor = 1.000000
38 1 36 36 fill mult factor = 1.000000
39 1 37 37 type = line, line_string
40 1 38 38 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
41 1 39 39 co = 2
42 1 40 40
43 1 41 41 Excavation Limit
44 1 42 42 type = line
45 1 43 43 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
46 1 44 44 co = 0
47 1 45 45
48 1 46 46 Write Earthwork Shapes
49 1 47 47 plot param
50 1 48 48 lv = 347
51 1 49 49 lvname = DESIGN - EARTHWORK - Shapes
52 1 50 50 co = 2
53 1 51 51 wt = 0
54 1 52 52 lc = 0
55 1 53 53 Stratify Shape Color
56 1 54 54
57 1 55 55
58 1 56 56 Add Accumulated Adjusted Volume Column
59 1 57 57
60 1 58 58 Add Accumulated Unadjusted Volume Column
61 1 59 59
62 1 60 60 End Area Decimal Places = 0
63 1 61 61
64 1 62 62 Process Earthwork for Baseline = NEWKIRBY
65 1 63 63 job number = 32n

```

```

66 1 64 64
67 1 65 65 beg sta = 5+48.00 R 1
68 1 66 66 end sta = 15+00.00 R 1
69 0 0 67 END_OF_FILE
70 COMPUTING EARTHWORKS FOR BASELINE = NEWKIRBY
71 COMPUTING EARTHWORKS FOR JOB = 32N
72 FORMING LIST OF XSCHELLS
73 BEGINNING EARTHWORKS COMPUTATION
74

```

		Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass		
		Accum	Accum						
Station				Volumes	Volumes	Factor	Ordinate	Unadj	
Vol	Adj	Vol							
			(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu.	
			yd.) (cu. yd.)					yd.)	

79		5+48.00 EARTH							
80		Common Exc	270	0	0	1.00			
		0 0							
81		Subgrade Exc	0	0	0	1.00			
		0 0							
82		Subsoil Exc	0	0	0	1.00			
		0 0							
83		Fill	2541	0	0	1.00	0		
		0 0							
84		TOPSOIL							
85		Common Exc	164	0	0	1.00			
		0 0							
86		Subgrade Exc	0	0	0	1.00			
		0 0							
87		Subsoil Exc	0	0	0	1.00			
		0 0							
88		Fill	0	0	0	1.00	0		
		0 0							
89		Mass ordinate for TOPSOIL = 0							
90									
91		5+50.00 EARTH							
92		Common Exc	244	19	19	1.00			
		19 19							
93		Subgrade Exc	0	0	0	1.00			
		0 0							
94		Subsoil Exc	0	0	0	1.00			
		0 0							
95		Fill	2187	175	175	1.00	-156		
		175 175							
96		TOPSOIL							
97		Common Exc	143	11	11	1.00			
		11 11							
98		Subgrade Exc	0	0	0	1.00			
		0 0							
99		Subsoil Exc	1	0	0	1.00			
		0 0							
100		Fill	0	0	0	1.00	-156		
		0 0							
101		Mass ordinate for TOPSOIL = 11							
102									
103		5+66.00 EARTH							
104		Common Exc	150	117	117	1.00			
		136 136							
105		Subgrade Exc	0	0	0	1.00			
		0 0							
106		Subsoil Exc	0	0	0	1.00			
		0 0							
107		Fill	1917	1216	1216	1.00	-1255		
		1391 1391							

108	TOPSOIL						
109	Common Exc	125	79	79	1.00		
	90	90					
110	Subgrade Exc	0	0	0	1.00		
	0	0					
111	Subsoil Exc	1	1	1	1.00		
	1	1					
112	Fill	0	0	0	1.00	-1255	
	0	0					
113	Mass ordinate for TOPSOIL = 91						
114							
115	5+80.99 EARTH						
116	Common Exc	18	47	47	1.00		
	183	183					
117	Subgrade Exc	0	0	0	1.00		
	0	0					
118	Subsoil Exc	0	0	0	1.00		
	0	0					
119	Fill	1733	1013	1013	1.00	-2221	
	2404	2404					
120	TOPSOIL						
121	Common Exc	99	62	62	1.00		
	152	152					
122	Subgrade Exc	0	0	0	1.00		
	0	0					
123	Subsoil Exc	1	1	1	1.00		
	2	2					
124	Fill	0	0	0	1.00	-2221	
	0	0					
125	Mass ordinate for TOPSOIL = 154						
126							
127	6+00.00 EARTH						
128	Common Exc	303	113	113	1.00		
	296	296					
129	Subgrade Exc	0	0	0	1.00		
	0	0					
130	Subsoil Exc	0	0	0	1.00		
	0	0					
131	Fill	936	940	940	1.00	-3048	
	3344	3344					
132	TOPSOIL						
133	Common Exc	79	63	63	1.00		
	215	215					
134	Subgrade Exc	0	0	0	1.00		
	0	0					
135	Subsoil Exc	1	1	1	1.00		
	3	3					
136	Fill	0	0	0	1.00	-3048	
	0	0					
137	Mass ordinate for TOPSOIL = 218						
138							
139	6+03.00 EARTH						
140	Common Exc	388	38	38	1.00		
	334	334					
141	Subgrade Exc	0	0	0	1.00		
	0	0					
142	Subsoil Exc	0	0	0	1.00		
	0	0					
143	Fill	727	92	92	1.00	-3102	
	3436	3436					
144	TOPSOIL						
145	Common Exc	72	8	8	1.00		
	223	223					
146	Subgrade Exc	0	0	0	1.00		
	0	0					
147	Subsoil Exc	1	0	0	1.00		

148	3	3	Fill	0	0	0	1.00	-3102
	0	0						
149	Mass ordinate for TOPSOIL = 226							
150								
151	6+50.00 EARTH							
152			Common Exc	677	927	927	1.00	
	1261	1261						
153			Subgrade Exc	0	0	0	1.00	
	0	0						
154			Subsoil Exc	0	0	0	1.00	
	0	0						
155			Fill	2	635	635	1.00	-2810
	4071	4071						
156	TOPSOIL							
157			Common Exc	53	109	109	1.00	
	332	332						
158			Subgrade Exc	0	0	0	1.00	
	0	0						
159			Subsoil Exc	0	1	1	1.00	
	4	4						
160			Fill	0	0	0	1.00	-2810
	0	0						
161	Mass ordinate for TOPSOIL = 336							
162								
163	7+00.00 EARTH							
164			Common Exc	562	1147	1147	1.00	
	2408	2408						
165			Subgrade Exc	0	0	0	1.00	
	0	0						
166			Subsoil Exc	0	0	0	1.00	
	0	0						
167			Fill	1	3	3	1.00	-1666
	4074	4074						
168	TOPSOIL							
169			Common Exc	54	99	99	1.00	
	431	431						
170			Subgrade Exc	0	0	0	1.00	
	0	0						
171			Subsoil Exc	1	1	1	1.00	
	5	5						
172			Fill	0	0	0	1.00	-1666
	0	0						
173	Mass ordinate for TOPSOIL = 436							
174								
175	7+50.00 EARTH							
176			Common Exc	383	875	875	1.00	
	3283	3283						
177			Subgrade Exc	0	0	0	1.00	
	0	0						
178			Subsoil Exc	0	0	0	1.00	
	0	0						
179			Fill	1	2	2	1.00	-793
	4076	4076						
180	TOPSOIL							
181			Common Exc	50	96	96	1.00	
	527	527						
182			Subgrade Exc	0	0	0	1.00	
	0	0						
183			Subsoil Exc	1	2	2	1.00	
	7	7						
184			Fill	0	0	0	1.00	-793
	0	0						
185	Mass ordinate for TOPSOIL = 534							
186								
187	8+00.00 EARTH							

188		Common Exc	254	590	590	1.00	
		3873	3873				
189		Subgrade Exc	0	0	0	1.00	
		0	0				
190		Subsoil Exc	0	0	0	1.00	
		0	0				
191		Fill	1	2	2	1.00	-205
		4078	4078				
192		TOPSOIL					
193		Common Exc	48	91	91	1.00	
		618	618				
194		Subgrade Exc	0	0	0	1.00	
		0	0				
195		Subsoil Exc	1	2	2	1.00	
		9	9				
196		Fill	0	0	0	1.00	-205
		0	0				
197		Mass ordinate for TOPSOIL = 627					
198							
199	8+50.00	EARTH					
200		Common Exc	146	370	370	1.00	
		4243	4243				
201		Subgrade Exc	0	0	0	1.00	
		0	0				
202		Subsoil Exc	0	0	0	1.00	
		0	0				
203		Fill	14	14	14	1.00	151
		4092	4092				
204		TOPSOIL					
205		Common Exc	33	75	75	1.00	
		693	693				
206		Subgrade Exc	0	0	0	1.00	
		0	0				
207		Subsoil Exc	13	13	13	1.00	
		22	22				
208		Fill	0	0	0	1.00	151
		0	0				
209		Mass ordinate for TOPSOIL = 715					
210							
211	9+00.00	EARTH					
212		Common Exc	48	180	180	1.00	
		4423	4423				
213		Subgrade Exc	0	0	0	1.00	
		0	0				
214		Subsoil Exc	0	0	0	1.00	
		0	0				
215		Fill	41	51	51	1.00	280
		4143	4143				
216		TOPSOIL					
217		Common Exc	19	48	48	1.00	
		741	741				
218		Subgrade Exc	0	0	0	1.00	
		0	0				
219		Subsoil Exc	23	33	33	1.00	
		55	55				
220		Fill	0	0	0	1.00	280
		0	0				
221		Mass ordinate for TOPSOIL = 796					
222							
223	9+09.96	EARTH					
224		Common Exc	39	16	16	1.00	
		4439	4439				
225		Subgrade Exc	0	0	0	1.00	
		0	0				
226		Subsoil Exc	0	0	0	1.00	
		0	0				

227		Fill	49	17	17	1.00	279
		4160	4160				
228	TOPSOIL						
229		Common Exc	17	7	7	1.00	
		748	748				
230		Subgrade Exc	0	0	0	1.00	
		0	0				
231		Subsoil Exc	25	9	9	1.00	
		64	64				
232		Fill	0	0	0	1.00	279
		0	0				
233	Mass ordinate for TOPSOIL = 812						
234							
235	9+50.00 EARTH						
236		Common Exc	22	45	45	1.00	
		4484	4484				
237		Subgrade Exc	0	0	0	1.00	
		0	0				
238		Subsoil Exc	0	0	0	1.00	
		0	0				
239		Fill	108	116	116	1.00	208
		4276	4276				
240	TOPSOIL						
241		Common Exc	9	19	19	1.00	
		767	767				
242		Subgrade Exc	0	0	0	1.00	
		0	0				
243		Subsoil Exc	33	43	43	1.00	
		107	107				
244		Fill	0	0	0	1.00	208
		0	0				
245	Mass ordinate for TOPSOIL = 874						
246							
247	9+82.46 EARTH						
248		Common Exc	17	23	23	1.00	
		4507	4507				
249		Subgrade Exc	0	0	0	1.00	
		0	0				
250		Subsoil Exc	0	0	0	1.00	
		0	0				
251		Fill	165	164	164	1.00	67
		4440	4440				
252	TOPSOIL						
253		Common Exc	7	10	10	1.00	
		777	777				
254		Subgrade Exc	0	0	0	1.00	
		0	0				
255		Subsoil Exc	36	41	41	1.00	
		148	148				
256		Fill	0	0	0	1.00	67
		0	0				
257	Mass ordinate for TOPSOIL = 925						
258							
259	9+86.81 EARTH						
260		Common Exc	17	3	3	1.00	
		4510	4510				
261		Subgrade Exc	0	0	0	1.00	
		0	0				
262		Subsoil Exc	0	0	0	1.00	
		0	0				
263		Fill	171	27	27	1.00	43
		4467	4467				
264	TOPSOIL						
265		Common Exc	7	1	1	1.00	
		778	778				
266		Subgrade Exc	0	0	0	1.00	

267	0	0					
	Subsoil	Exc	37	6	6	1.00	
	154	154					
268		Fill	0	0	0	1.00	43
	0	0					
269	Mass ordinate for TOPSOIL = 932						
270							
271	10+00.00	EARTH					
272		Common	Exc	17	8	8	1.00
		4518	4518				
273		Subgrade	Exc	0	0	0	1.00
		0	0				
274		Subsoil	Exc	0	0	0	1.00
		0	0				
275		Fill		193	89	89	1.00
		4556	4556				-38
276	TOPSOIL						
277		Common	Exc	7	3	3	1.00
		781	781				
278		Subgrade	Exc	0	0	0	1.00
		0	0				
279		Subsoil	Exc	38	18	18	1.00
		172	172				
280		Fill		0	0	0	1.00
		0	0				-38
281	Mass ordinate for TOPSOIL = 953						
282							
283	10+04.21	EARTH					
284		Common	Exc	17	3	3	1.00
		4521	4521				
285		Subgrade	Exc	0	0	0	1.00
		0	0				
286		Subsoil	Exc	0	0	0	1.00
		0	0				
287		Fill		201	31	31	1.00
		4587	4587				-66
288	TOPSOIL						
289		Common	Exc	7	1	1	1.00
		782	782				
290		Subgrade	Exc	0	0	0	1.00
		0	0				
291		Subsoil	Exc	38	6	6	1.00
		178	178				
292		Fill		0	0	0	1.00
		0	0				-66
293	Mass ordinate for TOPSOIL = 960						
294							
295	10+50.00	EARTH					
296		Common	Exc	11	24	24	1.00
		4545	4545				
297		Subgrade	Exc	0	0	0	1.00
		0	0				
298		Subsoil	Exc	0	0	0	1.00
		0	0				
299		Fill		251	383	383	1.00
		4970	4970				-425
300	TOPSOIL						
301		Common	Exc	6	11	11	1.00
		793	793				
302		Subgrade	Exc	0	0	0	1.00
		0	0				
303		Subsoil	Exc	41	67	67	1.00
		245	245				
304		Fill		0	0	0	1.00
		0	0				-425
305	Mass ordinate for TOPSOIL = 1038						

306							
307	11+00.00	EARTH					
308		Common Exc	8	18	18	1.00	
		4563	4563				
309		Subgrade Exc	0	0	0	1.00	
		0	0				
310		Subsoil Exc	0	0	0	1.00	
		0	0				
311		Fill	287	498	498	1.00	-905
		5468	5468				
312		TOPSOIL					
313		Common Exc	5	10	10	1.00	
		803	803				
314		Subgrade Exc	0	0	0	1.00	
		0	0				
315		Subsoil Exc	42	77	77	1.00	
		322	322				
316		Fill	0	0	0	1.00	-905
		0	0				
317		Mass ordinate for TOPSOIL = 1125					
318							
319	11+50.00	EARTH					
320		Common Exc	5	12	12	1.00	
		4575	4575				
321		Subgrade Exc	0	0	0	1.00	
		0	0				
322		Subsoil Exc	0	0	0	1.00	
		0	0				
323		Fill	305	548	548	1.00	-1441
		6016	6016				
324		TOPSOIL					
325		Common Exc	5	9	9	1.00	
		812	812				
326		Subgrade Exc	0	0	0	1.00	
		0	0				
327		Subsoil Exc	44	80	80	1.00	
		402	402				
328		Fill	0	0	0	1.00	-1441
		0	0				
329		Mass ordinate for TOPSOIL = 1214					
330							
331	12+00.00	EARTH					
332		Common Exc	4	8	8	1.00	
		4583	4583				
333		Subgrade Exc	0	0	0	1.00	
		0	0				
334		Subsoil Exc	0	0	0	1.00	
		0	0				
335		Fill	279	541	541	1.00	-1974
		6557	6557				
336		TOPSOIL					
337		Common Exc	4	8	8	1.00	
		820	820				
338		Subgrade Exc	0	0	0	1.00	
		0	0				
339		Subsoil Exc	43	81	81	1.00	
		483	483				
340		Fill	0	0	0	1.00	-1974
		0	0				
341		Mass ordinate for TOPSOIL = 1303					
342							
343	12+50.00	EARTH					
344		Common Exc	3	6	6	1.00	
		4589	4589				
345		Subgrade Exc	0	0	0	1.00	
		0	0				

346		Subsoil Exc	0	0	0	1.00	
		0	0				
347		Fill	213	456	456	1.00	-2424
		7013	7013				
348		TOPSOIL					
349		Common Exc	4	7	7	1.00	
		827	827				
350		Subgrade Exc	0	0	0	1.00	
		0	0				
351		Subsoil Exc	40	77	77	1.00	
		560	560				
352		Fill	0	0	0	1.00	-2424
		0	0				
353		Mass ordinate for TOPSOIL = 1387					
354							
355	13+00.00	EARTH					
356		Common Exc	0	3	3	1.00	
		4592	4592				
357		Subgrade Exc	0	0	0	1.00	
		0	0				
358		Subsoil Exc	0	0	0	1.00	
		0	0				
359		Fill	161	346	346	1.00	-2767
		7359	7359				
360		TOPSOIL					
361		Common Exc	0	4	4	1.00	
		831	831				
362		Subgrade Exc	0	0	0	1.00	
		0	0				
363		Subsoil Exc	38	72	72	1.00	
		632	632				
364		Fill	0	0	0	1.00	-2767
		0	0				
365		Mass ordinate for TOPSOIL = 1463					
366							
367	13+50.00	EARTH					
368		Common Exc	6	6	6	1.00	
		4598	4598				
369		Subgrade Exc	0	0	0	1.00	
		0	0				
370		Subsoil Exc	0	0	0	1.00	
		0	0				
371		Fill	104	245	245	1.00	-3006
		7604	7604				
372		TOPSOIL					
373		Common Exc	7	6	6	1.00	
		837	837				
374		Subgrade Exc	0	0	0	1.00	
		0	0				
375		Subsoil Exc	33	66	66	1.00	
		698	698				
376		Fill	0	0	0	1.00	-3006
		0	0				
377		Mass ordinate for TOPSOIL = 1535					
378							
379	13+93.54	EARTH					
380		Common Exc	10	13	13	1.00	
		4611	4611				
381		Subgrade Exc	0	0	0	1.00	
		0	0				
382		Subsoil Exc	0	0	0	1.00	
		0	0				
383		Fill	74	144	144	1.00	-3137
		7748	7748				
384		TOPSOIL					
385		Common Exc	10	14	14	1.00	

386	851	851					
	Subgrade	Exc	0	0	0	1.00	
387	0	0					
	Subsoil	Exc	32	52	52	1.00	
	750	750					
388	Fill		0	0	0	1.00	-3137
	0	0					
389	Mass ordinate for TOPSOIL = 1601						
390							
391	14+00.00 EARTH						
392	Common	Exc	12	3	3	1.00	
	4614	4614					
393	Subgrade	Exc	0	0	0	1.00	
	0	0					
394	Subsoil	Exc	0	0	0	1.00	
	0	0					
395	Fill		73	18	18	1.00	-3152
	7766	7766					
396	TOPSOIL						
397	Common	Exc	12	3	3	1.00	
	854	854					
398	Subgrade	Exc	0	0	0	1.00	
	0	0					
399	Subsoil	Exc	32	8	8	1.00	
	758	758					
400	Fill		0	0	0	1.00	-3152
	0	0					
401	Mass ordinate for TOPSOIL = 1612						
402							
403	14+10.94 EARTH						
404	Common	Exc	14	5	5	1.00	
	4619	4619					
405	Subgrade	Exc	0	0	0	1.00	
	0	0					
406	Subsoil	Exc	0	0	0	1.00	
	0	0					
407	Fill		68	29	29	1.00	-3176
	7795	7795					
408	TOPSOIL						
409	Common	Exc	14	5	5	1.00	
	859	859					
410	Subgrade	Exc	0	0	0	1.00	
	0	0					
411	Subsoil	Exc	31	13	13	1.00	
	771	771					
412	Fill		0	0	0	1.00	-3176
	0	0					
413	Mass ordinate for TOPSOIL = 1630						
414							
415	14+15.29 EARTH						
416	Common	Exc	15	2	2	1.00	
	4621	4621					
417	Subgrade	Exc	0	0	0	1.00	
	0	0					
418	Subsoil	Exc	0	0	0	1.00	
	0	0					
419	Fill		66	11	11	1.00	-3185
	7806	7806					
420	TOPSOIL						
421	Common	Exc	14	2	2	1.00	
	861	861					
422	Subgrade	Exc	0	0	0	1.00	
	0	0					
423	Subsoil	Exc	31	5	5	1.00	
	776	776					
424	Fill		0	0	0	1.00	-3185

425		0	0				
426		Mass ordinate for TOPSOIL = 1637					
427	14+50.00	EARTH					
428		Common Exc	25	26	26	1.00	
		4647	4647				
429		Subgrade Exc	0	0	0	1.00	
		0	0				
430		Subsoil Exc	0	0	0	1.00	
		0	0				
431		Fill	48	73	73	1.00	-3232
		7879	7879				
432		TOPSOIL					
433		Common Exc	20	22	22	1.00	
		883	883				
434		Subgrade Exc	0	0	0	1.00	
		0	0				
435		Subsoil Exc	28	38	38	1.00	
		814	814				
436		Fill	0	0	0	1.00	-3232
		0	0				
437		Mass ordinate for TOPSOIL = 1697					
438							
439	14+87.79	EARTH					
440		Common Exc	22	33	33	1.00	
		4680	4680				
441		Subgrade Exc	0	0	0	1.00	
		0	0				
442		Subsoil Exc	0	0	0	1.00	
		0	0				
443		Fill	20	48	48	1.00	-3247
		7927	7927				
444		TOPSOIL					
445		Common Exc	31	36	36	1.00	
		919	919				
446		Subgrade Exc	0	0	0	1.00	
		0	0				
447		Subsoil Exc	20	34	34	1.00	
		848	848				
448		Fill	0	0	0	1.00	-3247
		0	0				
449		Mass ordinate for TOPSOIL = 1767					
450							
451	15+00.00	EARTH					
452		Common Exc	11	7	7	1.00	
		4687	4687				
453		Subgrade Exc	0	0	0	1.00	
		0	0				
454		Subsoil Exc	0	0	0	1.00	
		0	0				
455		Fill	43	14	14	1.00	-3254
		7941	7941				
456		TOPSOIL					
457		Common Exc	25	13	13	1.00	
		932	932				
458		Subgrade Exc	0	0	0	1.00	
		0	0				
459		Subsoil Exc	32	12	12	1.00	
		860	860				
460		Fill	0	0	0	1.00	-3254
		0	0				
461		Mass ordinate for TOPSOIL = 1792					
462	FF	G R A N D S U M M A R Y T O T A L S					
463		Material Name	Unadjusted	Adjusted	Mult		
464			Volumes	Volumes	Factor		
465			(cu. yd.)	(cu. yd.)			

466
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EARTH					
Common	Exc	4687	4687	1.00	
Subgrade	Exc	0	0	1.00	
Subsoil	Exc	0	0	1.00	
Fill		7941	7941	1.00	
TOPSOIL					
Common	Exc	932	932	1.00	
Subgrade	Exc	0	0	1.00	
Subsoil	Exc	860	860	1.00	
Fill		0	0	1.00	
S P L I T		S U M M A R Y		T O T A L	

		XS Quant	XS Quant	Add/Sub Quant	Add/Sub
		Quant	Quant	Quant	Quant
Material Name		Unadjusted	Adjusted	Unadjusted	Adjusted
Mult					
		Volume	Volume	Volume	Volume
		Factor			
		(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.
		yd.)			yd.)

EARTH					
Common	Exc	4687	4687	0	0
1.00					
Subgrade	Exc	0	0	0	0
1.00					
Subsoil	Exc	0	0	0	0
1.00					
Fill		7941	7941	0	0
1.00					
TOPSOIL					
Common	Exc	932	932	0	0
1.00					
Subgrade	Exc	0	0	0	0
1.00					
Subsoil	Exc	860	860	0	0
1.00					
Fill		0	0	0	0
1.00					

FF

B A L A N C E		P O I N T		S U M M A R Y	
Material Name		Cumulative		Incremental	
		Unadjusted	Adjusted	Unadjusted	Adjusted
		Volumes	Volumes	Volumes	Volumes
		(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)

Station = 8+28.79

EARTH					
Common	Exc	4086	4086	4086	4086
Subgrade	Exc	0	0	0	0
Subsoil	Exc	0	0	0	0
Fill		4086	4086	4086	4086
TOPSOIL					
Common	Exc	661	661	661	661
Subgrade	Exc	0	0	0	0
Subsoil	Exc	16	16	16	16
Fill		0	0	0	0

Station = 9+93.81

EARTH					
Common	Exc	4514	4514	428	428
Subgrade	Exc	0	0	0	0
Subsoil	Exc	0	0	0	0
Fill		4514	4514	428	428
TOPSOIL					
Common	Exc	780	780	119	119

518	Subgrade	Exc	0	0	0	0	1.00
519	Subsoil	Exc	164	164	148	148	1.00
520	Fill		0	0	0	0	1.00
521							

```

1 Input File: ewkprj.inp
2 Output File: Sharon_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Sharon.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 2,6-8,16,18
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 co = 0
32 1 30 30
33 1 31 31 Existing Unsuitable Material
34 1 32 32 soil type = Topsoil
35 1 33 33 roadway exc mult factor = 1.000000
36 1 34 34 subsoil exc mult factor = 1.000000
37 1 35 35 fill mult factor = 1.000000
38 1 36 36 type = line, line_string
39 1 37 37 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
40 1 38 38 co = 2
41 1 39 39
42 1 40 40 Excavation Limit
43 1 41 41 type = line
44 1 42 42 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
45 1 43 43 co = 0
46 1 44 44
47 1 45 45 Write Earthwork Shapes
48 1 46 46 plot param
49 1 47 47 lv = 347
50 1 48 48 lvname = DESIGN - EARTHWORK - Shapes
51 1 49 49 co = 2
52 1 50 50 wt = 0
53 1 51 51 lc = 0
54 1 52 52 Stratify Shape Color
55 1 53 53
56 1 54 54
57 1 55 55 Add Accumulated Adjusted Volume Column
58 1 56 56
59 1 57 57 Add Accumulated Unadjusted Volume Column
60 1 58 58
61 1 59 59 End Area Decimal Places = 0
62 1 60 60
63 1 61 61 Process Earthwork for Baseline = SHARON
64 1 62 62 job number = 32n
65 1 63 63

```

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66 1 64 64 beg sta = 71+00.00 R 1
67 1 65 65 end sta = 76+50.00 R 1
68 0 0 66 END_OF_FILE
69 COMPUTING EARTHWORKS FOR BASELINE = SHARON
70 COMPUTING EARTHWORKS FOR JOB = 32N
71 FORMING LIST OF XSCHELLS
72 BEGINNING EARTHWORKS COMPUTATION

```

		Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass		
		Accum	Accum						
Station				Volumes	Volumes	Factor	Ordinate	Unadj	
Vol	Adj	Vol							
			(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu.	
			yd.) (cu. yd.)					yd.)	

78		71+50.00 EARTH							
79		Common Exc	0	0	0	1.00			
		0 0							
80		Subgrade Exc	0	0	0	1.00			
		0 0							
81		Subsoil Exc	0	0	0	1.00			
		0 0							
82		Fill	0	0	0	1.00	0		
		0 0							
83									
84		71+75.00 EARTH							
85		Common Exc	4	2	2	1.00			
		2 2							
86		Subgrade Exc	0	0	0	1.00			
		0 0							
87		Subsoil Exc	0	0	0	1.00			
		0 0							
88		Fill	6	3	3	1.00	-1		
		3 3							
89									
90		71+90.00 EARTH							
91		Common Exc	0	1	1	1.00			
		3 3							
92		Subgrade Exc	0	0	0	1.00			
		0 0							
93		Subsoil Exc	0	0	0	1.00			
		0 0							
94		Fill	7	4	4	1.00	-4		
		7 7							
95		TOPSOIL							
96		Common Exc	1	0	0	1.00			
		0 0							
97		Subgrade Exc	0	0	0	1.00			
		0 0							
98		Subsoil Exc	2	1	1	1.00			
		1 1							
99		Fill	0	0	0	1.00	-4		
		0 0							
100		Mass ordinate for TOPSOIL = 1							
101									
102		71+90.50 EARTH							
103		Common Exc	1	0	0	1.00			
		3 3							
104		Subgrade Exc	0	0	0	1.00			
		0 0							
105		Subsoil Exc	0	0	0	1.00			
		0 0							
106		Fill	5	0	0	1.00	-4		
		7 7							
107		TOPSOIL							

108		Common Exc	0	0	0	1.00	
	0		0				
109		Subgrade Exc	0	0	0	1.00	
	0		0				
110		Subsoil Exc	0	0	0	1.00	
	1		1				
111		Fill	0	0	0	1.00	-4
	0		0				
112		Mass ordinate for TOPSOIL = 1					
113							
114	72+00.00	EARTH					
115		Common Exc	0	0	0	1.00	
		3	3				
116		Subgrade Exc	0	0	0	1.00	
		0	0				
117		Subsoil Exc	0	0	0	1.00	
		0	0				
118		Fill	8	2	2	1.00	-6
		9	9				
119							
120	72+25.00	EARTH					
121		Common Exc	2	1	1	1.00	
		4	4				
122		Subgrade Exc	0	0	0	1.00	
		0	0				
123		Subsoil Exc	0	0	0	1.00	
		0	0				
124		Fill	14	10	10	1.00	-15
		19	19				
125							
126	72+50.00	EARTH					
127		Common Exc	25	13	13	1.00	
		17	17				
128		Subgrade Exc	0	0	0	1.00	
		0	0				
129		Subsoil Exc	0	0	0	1.00	
		0	0				
130		Fill	4	8	8	1.00	-10
		27	27				
131							
132	73+00.00	EARTH					
133		Common Exc	38	58	58	1.00	
		75	75				
134		Subgrade Exc	0	0	0	1.00	
		0	0				
135		Subsoil Exc	0	0	0	1.00	
		0	0				
136		Fill	1	5	5	1.00	43
		32	32				
137							
138	73+50.00	EARTH					
139		Common Exc	51	82	82	1.00	
		157	157				
140		Subgrade Exc	0	0	0	1.00	
		0	0				
141		Subsoil Exc	0	0	0	1.00	
		0	0				
142		Fill	11	11	11	1.00	114
		43	43				
143							
144	74+00.00	EARTH					
145		Common Exc	8	55	55	1.00	
		212	212				
146		Subgrade Exc	0	0	0	1.00	
		0	0				
147		Subsoil Exc	0	0	0	1.00	

148	0	0					
	Fill	33	41	41	1.00	128	
	84	84					
149							
150	74+50.00 EARTH						
151	Common Exc	44	48	48	1.00		
	260	260					
152	Subgrade Exc	0	0	0	1.00		
	0	0					
153	Subsoil Exc	0	0	0	1.00		
	0	0					
154	Fill	4	34	34	1.00	142	
	118	118					
155							
156	74+73.97 EARTH						
157	Common Exc	35	35	35	1.00		
	295	295					
158	Subgrade Exc	0	0	0	1.00		
	0	0					
159	Subsoil Exc	0	0	0	1.00		
	0	0					
160	Fill	2	3	3	1.00	174	
	121	121					
161							
162	75+00.00 EARTH						
163	Common Exc	35	34	34	1.00		
	329	329					
164	Subgrade Exc	0	0	0	1.00		
	0	0					
165	Subsoil Exc	0	0	0	1.00		
	0	0					
166	Fill	5	3	3	1.00	205	
	124	124					
167							
168	75+25.00 EARTH						
169	Common Exc	99	62	62	1.00		
	391	391					
170	Subgrade Exc	0	0	0	1.00		
	0	0					
171	Subsoil Exc	0	0	0	1.00		
	0	0					
172	Fill	3	4	4	1.00	263	
	128	128					
173							
174	75+44.89 EARTH						
175	Common Exc	103	74	74	1.00		
	465	465					
176	Subgrade Exc	0	0	0	1.00		
	0	0					
177	Subsoil Exc	0	0	0	1.00		
	0	0					
178	Fill	2	2	2	1.00	335	
	130	130					
179							
180	75+50.00 EARTH						
181	Common Exc	109	20	20	1.00		
	485	485					
182	Subgrade Exc	0	0	0	1.00		
	0	0					
183	Subsoil Exc	0	0	0	1.00		
	0	0					
184	Fill	1	0	0	1.00	355	
	130	130					
185							
186	75+75.00 EARTH						
187	Common Exc	138	114	114	1.00		

188		599	599						
		Subgrade	Exc	0	0	0	1.00		
189		0	0						
		Subsoil	Exc	0	0	0	1.00		
		0	0						
190		Fill		1	1	1	1.00	468	
		131		131					
191									
192	76+00.00	EARTH							
193		Common	Exc	73	98	98	1.00		
		697		697					
194		Subgrade	Exc	0	0	0	1.00		
		0	0						
195		Subsoil	Exc	0	0	0	1.00		
		0	0						
196		Fill		30	14	14	1.00	552	
		145		145					
197									
198	76+25.00	EARTH							
199		Common	Exc	168	112	112	1.00		
		809		809					
200		Subgrade	Exc	0	0	0	1.00		
		0	0						
201		Subsoil	Exc	0	0	0	1.00		
		0	0						
202		Fill		0	14	14	1.00	650	
		159		159					
203									
204	76+50.00	EARTH							
205		Common	Exc	86	118	118	1.00		
		927		927					
206		Subgrade	Exc	0	0	0	1.00		
		0	0						
207		Subsoil	Exc	0	0	0	1.00		
		0	0						
208		Fill		10	5	5	1.00	763	
		164		164					
209	FF	G R A N D	S U M M A R Y						
210		Material Name		Unadjusted	Adjusted	Mult			
211				Volumes	Volumes	Factor			
212				(cu. yd.)	(cu. yd.)				
213		-----		-----	-----	-----			
214		EARTH							
215		Common	Exc	927	927	1.00			
216		Subgrade	Exc	0	0	1.00			
217		Subsoil	Exc	0	0	1.00			
218		Fill		164	164	1.00			
219		TOPSOIL							
220		Common	Exc	0	0	1.00			
221		Subgrade	Exc	0	0	1.00			
222		Subsoil	Exc	1	1	1.00			
223		Fill		0	0	1.00			
224	FF	S P L I T	S U M M A R Y						
	S								
225				XS Quant	XS Quant	Add/Sub Quant	Add/Sub		
				Quant					
226		Material Name		Unadjusted	Adjusted	Unadjusted	Adjusted		
		Mult							
227				Volume	Volume	Volume	Volume		
				Factor					
228				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.		
				yd.)					
229		-----		-----	-----	-----	-----		

230		EARTH							
231		Common	Exc	927	927	0	0		

232		1.00 Subgrade Exc	0	0	0	0
233		1.00 Subsoil Exc	0	0	0	0
234		1.00 Fill	164	164	0	0
235	TOPSOIL	1.00				
236		Common Exc	0	0	0	0
237		1.00 Subgrade Exc	0	0	0	0
238		1.00 Subsoil Exc	1	1	0	0
239		1.00 Fill	0	0	0	0
240	FF	1.00				
241		B A L A N C E	P O I N T	S U M M A R Y		
242		Material Name	Cumulative	Incremental		Mult
243			Unadjusted	Adjusted	Unadjusted	Adjusted
244			Volumes	Volumes	Volumes	Volumes
245			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
246	Station = 72+59.43					
247	EARTH					
248		Common Exc	28	28	28	28 1.00
249		Subgrade Exc	0	0	0	0 1.00
250		Subsoil Exc	0	0	0	0 1.00
251		Fill	28	28	28	28 1.00
252	TOPSOIL					
253		Common Exc	0	0	0	0 1.00
254		Subgrade Exc	0	0	0	0 1.00
255		Subsoil Exc	1	1	1	1 1.00
256		Fill	0	0	0	0 1.00
257						

```

1 Input File: ewkprj.inp
2 Output File: Woods_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Woods.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 2,6-8,16,18
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 co = 0
32 1 30 30
33 1 31 31 Existing Unsuitable Material
34 1 32 32 soil type = Topsoil
35 1 33 33 roadway exc mult factor = 1.000000
36 1 34 34 subsoil exc mult factor = 1.000000
37 1 35 35 fill mult factor = 1.000000
38 1 36 36 type = line, line_string
39 1 37 37 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
40 1 38 38 co = 2
41 1 39 39
42 1 40 40 Excavation Limit
43 1 41 41 type = line
44 1 42 42 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
45 1 43 43 co = 0
46 1 44 44
47 1 45 45 Write Earthwork Shapes
48 1 46 46 plot param
49 1 47 47 lv = 347
50 1 48 48 lvname = DESIGN - EARTHWORK - Shapes
51 1 49 49 co = 2
52 1 50 50 wt = 0
53 1 51 51 lc = 0
54 1 52 52 Stratify Shape Color
55 1 53 53
56 1 54 54
57 1 55 55 Add Accumulated Adjusted Volume Column
58 1 56 56
59 1 57 57 Add Accumulated Unadjusted Volume Column
60 1 58 58
61 1 59 59 End Area Decimal Places = 0
62 1 60 60
63 1 61 61 Process Earthwork for Baseline = WOODS
64 1 62 62 job number = 32n
65 1 63 63

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```

66      1      64      64      beg sta = 40+75.00 R 1
67      1      65      65      end sta = 48+00.00 R 1
68      0      0      66 END_OF_FILE
69 COMPUTING EARTHWORKS FOR BASELINE = WOODS
70 COMPUTING EARTHWORKS FOR JOB = 32N
71 FORMING LIST OF XSCHELLS
72 BEGINNING EARTHWORKS COMPUTATION
73 FF
74      Material Name      End Areas      Unadjusted Adjusted      Mult      Mass
75      Accum      Accum
76 Station      Volumes      Volumes      Factor Ordinate Unadj
77 Vol      Adj Vol      (sq. ft.) (cu. yd.) (cu. yd.)      (cu.
78      yd.) (cu. yd.)
79 -----
80 -----
81
82      40+75.00 EARTH
83      Common Exc      0      0      0      1.00
84      0      0
85      Subgrade Exc      0      0      0      1.00
86      0      0
87      Subsoil Exc      0      0      0      1.00
88      0      0
89      Fill      215      0      0      1.00      0
90      0      0
91      TOPSOIL
92      Common Exc      0      0      0      1.00
93      0      0
94      Subgrade Exc      0      0      0      1.00
95      0      0
96      Subsoil Exc      37      0      0      1.00
97      0      0
98      Fill      0      0      0      1.00      0
99      0      0
100      Mass ordinate for TOPSOIL = 0
101
102      41+00.00 EARTH
103      Common Exc      0      0      0      1.00
104      0      0
105      Subgrade Exc      0      0      0      1.00
106      0      0
107      Subsoil Exc      0      0      0      1.00
108      0      0
109      Fill      203      194      194      1.00      -194
110      194      194
111      TOPSOIL
112      Common Exc      0      0      0      1.00
113      0      0
114      Subgrade Exc      0      0      0      1.00
115      0      0
116      Subsoil Exc      32      32      32      1.00
117      32      32
118      Fill      0      0      0      1.00      -194
119      0      0
120      Mass ordinate for TOPSOIL = 32
121
122      41+50.00 EARTH
123      Common Exc      0      0      0      1.00
124      0      0
125      Subgrade Exc      0      0      0      1.00
126      0      0
127      Subsoil Exc      0      0      0      1.00
128      0      0
129      Fill      270      438      438      1.00      -632
130      632      632
131      TOPSOIL

```

108		Common Exc	0	0	0	1.00	
		0	0				
109		Subgrade Exc	0	0	0	1.00	
		0	0				
110		Subsoil Exc	33	60	60	1.00	
		92	92				
111		Fill	0	0	0	1.00	-632
		0	0				
112		Mass ordinate for TOPSOIL = 92					
113							
114	42+00.00	EARTH					
115		Common Exc	0	0	0	1.00	
		0	0				
116		Subgrade Exc	0	0	0	1.00	
		0	0				
117		Subsoil Exc	0	0	0	1.00	
		0	0				
118		Fill	341	566	566	1.00	-1198
		1198	1198				
119		TOPSOIL					
120		Common Exc	0	0	0	1.00	
		0	0				
121		Subgrade Exc	0	0	0	1.00	
		0	0				
122		Subsoil Exc	37	65	65	1.00	
		157	157				
123		Fill	0	0	0	1.00	-1198
		0	0				
124		Mass ordinate for TOPSOIL = 157					
125							
126	42+20.59	EARTH					
127		Common Exc	0	0	0	1.00	
		0	0				
128		Subgrade Exc	0	0	0	1.00	
		0	0				
129		Subsoil Exc	0	0	0	1.00	
		0	0				
130		Fill	326	254	254	1.00	-1452
		1452	1452				
131		TOPSOIL					
132		Common Exc	0	0	0	1.00	
		0	0				
133		Subgrade Exc	0	0	0	1.00	
		0	0				
134		Subsoil Exc	34	27	27	1.00	
		184	184				
135		Fill	0	0	0	1.00	-1452
		0	0				
136		Mass ordinate for TOPSOIL = 184					
137							
138	42+50.00	EARTH					
139		Common Exc	0	0	0	1.00	
		0	0				
140		Subgrade Exc	0	0	0	1.00	
		0	0				
141		Subsoil Exc	0	0	0	1.00	
		0	0				
142		Fill	306	344	344	1.00	-1796
		1796	1796				
143		TOPSOIL					
144		Common Exc	0	0	0	1.00	
		0	0				
145		Subgrade Exc	0	0	0	1.00	
		0	0				
146		Subsoil Exc	34	37	37	1.00	
		221	221				

147		Fill	0	0	0	1.00	-1796
		0	0				
148		Mass ordinate for TOPSOIL = 221					
149							
150	43+00.00	EARTH					
151		Common Exc	0	0	0	1.00	
		0	0				
152		Subgrade Exc	0	0	0	1.00	
		0	0				
153		Subsoil Exc	0	0	0	1.00	
		0	0				
154		Fill	256	520	520	1.00	-2316
		2316	2316				
155		TOPSOIL					
156		Common Exc	0	0	0	1.00	
		0	0				
157		Subgrade Exc	0	0	0	1.00	
		0	0				
158		Subsoil Exc	34	63	63	1.00	
		284	284				
159		Fill	0	0	0	1.00	-2316
		0	0				
160		Mass ordinate for TOPSOIL = 284					
161							
162	43+50.00	EARTH					
163		Common Exc	0	0	0	1.00	
		0	0				
164		Subgrade Exc	0	0	0	1.00	
		0	0				
165		Subsoil Exc	0	0	0	1.00	
		0	0				
166		Fill	150	376	376	1.00	-2692
		2692	2692				
167		TOPSOIL					
168		Common Exc	0	0	0	1.00	
		0	0				
169		Subgrade Exc	0	0	0	1.00	
		0	0				
170		Subsoil Exc	28	57	57	1.00	
		341	341				
171		Fill	0	0	0	1.00	-2692
		0	0				
172		Mass ordinate for TOPSOIL = 341					
173							
174	44+00.00	EARTH					
175		Common Exc	0	0	0	1.00	
		0	0				
176		Subgrade Exc	0	0	0	1.00	
		0	0				
177		Subsoil Exc	0	0	0	1.00	
		0	0				
178		Fill	79	212	212	1.00	-2904
		2904	2904				
179		TOPSOIL					
180		Common Exc	0	0	0	1.00	
		0	0				
181		Subgrade Exc	0	0	0	1.00	
		0	0				
182		Subsoil Exc	23	47	47	1.00	
		388	388				
183		Fill	0	0	0	1.00	-2904
		0	0				
184		Mass ordinate for TOPSOIL = 388					
185							
186	44+31.55	EARTH					
187		Common Exc	0	0	0	1.00	

188	0	0					
	Subgrade	Exc	0	0	0	1.00	
189	0	0					
	Subsoil	Exc	0	0	0	1.00	
190	0	0					
	Fill		47	74	74	1.00	-2978
	2978		2978				
191	TOPSOIL						
192	Common	Exc	2	1	1	1.00	
	1	1					
193	Subgrade	Exc	0	0	0	1.00	
	0	0					
194	Subsoil	Exc	22	26	26	1.00	
	414	414					
195	Fill		0	0	0	1.00	-2978
	0	0					
196	Mass ordinate for TOPSOIL = 415						
197							
198	44+50.00 EARTH						
199	Common	Exc	1	0	0	1.00	
	0	0					
200	Subgrade	Exc	0	0	0	1.00	
	0	0					
201	Subsoil	Exc	0	0	0	1.00	
	0	0					
202	Fill		36	28	28	1.00	-3006
	3006		3006				
203	TOPSOIL						
204	Common	Exc	4	2	2	1.00	
	3	3					
205	Subgrade	Exc	0	0	0	1.00	
	0	0					
206	Subsoil	Exc	21	15	15	1.00	
	429	429					
207	Fill		0	0	0	1.00	-3006
	0	0					
208	Mass ordinate for TOPSOIL = 432						
209							
210	45+00.00 EARTH						
211	Common	Exc	11	11	11	1.00	
	11	11					
212	Subgrade	Exc	0	0	0	1.00	
	0	0					
213	Subsoil	Exc	0	0	0	1.00	
	0	0					
214	Fill		16	48	48	1.00	-3043
	3054		3054				
215	TOPSOIL						
216	Common	Exc	14	17	17	1.00	
	20	20					
217	Subgrade	Exc	0	0	0	1.00	
	0	0					
218	Subsoil	Exc	15	33	33	1.00	
	462	462					
219	Fill		0	0	0	1.00	-3043
	0	0					
220	Mass ordinate for TOPSOIL = 482						
221							
222	45+50.00 EARTH						
223	Common	Exc	12	21	21	1.00	
	32	32					
224	Subgrade	Exc	0	0	0	1.00	
	0	0					
225	Subsoil	Exc	0	0	0	1.00	
	0	0					
226	Fill		14	28	28	1.00	-3050

		3082	3082				
227	TOPSOIL						
228	Common Exc	15	27	27	1.00		
	47	47					
229	Subgrade Exc	0	0	0	1.00		
	0	0					
230	Subsoil Exc	13	26	26	1.00		
	488	488					
231	Fill	0	0	0	1.00	-3050	
	0	0					
232	Mass ordinate for TOPSOIL = 535						
233							
234	46+00.00 EARTH						
235	Common Exc	6	17	17	1.00		
	49	49					
236	Subgrade Exc	0	0	0	1.00		
	0	0					
237	Subsoil Exc	0	0	0	1.00		
	0	0					
238	Fill	19	31	31	1.00	-3064	
	3113	3113					
239	TOPSOIL						
240	Common Exc	10	23	23	1.00		
	70	70					
241	Subgrade Exc	0	0	0	1.00		
	0	0					
242	Subsoil Exc	18	29	29	1.00		
	517	517					
243	Fill	0	0	0	1.00	-3064	
	0	0					
244	Mass ordinate for TOPSOIL = 587						
245							
246	46+50.00 EARTH						
247	Common Exc	2	7	7	1.00		
	56	56					
248	Subgrade Exc	0	0	0	1.00		
	0	0					
249	Subsoil Exc	0	0	0	1.00		
	0	0					
250	Fill	31	46	46	1.00	-3103	
	3159	3159					
251	TOPSOIL						
252	Common Exc	5	14	14	1.00		
	84	84					
253	Subgrade Exc	0	0	0	1.00		
	0	0					
254	Subsoil Exc	20	35	35	1.00		
	552	552					
255	Fill	0	0	0	1.00	-3103	
	0	0					
256	Mass ordinate for TOPSOIL = 636						
257							
258	47+00.00 EARTH						
259	Common Exc	1	3	3	1.00		
	59	59					
260	Subgrade Exc	0	0	0	1.00		
	0	0					
261	Subsoil Exc	0	0	0	1.00		
	0	0					
262	Fill	35	61	61	1.00	-3161	
	3220	3220					
263	TOPSOIL						
264	Common Exc	5	9	9	1.00		
	93	93					
265	Subgrade Exc	0	0	0	1.00		
	0	0					

266		Subsoil Exc	21	38	38	1.00	
	590	590					
267		Fill	0	0	0	1.00	-3161
	0	0					
268	Mass ordinate for TOPSOIL = 683						
269							
270	47+50.00	EARTH					
271		Common Exc	5	6	6	1.00	
	65	65					
272		Subgrade Exc	0	0	0	1.00	
	0	0					
273		Subsoil Exc	0	0	0	1.00	
	0	0					
274		Fill	16	47	47	1.00	-3202
	3267	3267					
275	TOPSOIL						
276		Common Exc	12	16	16	1.00	
	109	109					
277		Subgrade Exc	0	0	0	1.00	
	0	0					
278		Subsoil Exc	15	33	33	1.00	
	623	623					
279		Fill	0	0	0	1.00	-3202
	0	0					
280	Mass ordinate for TOPSOIL = 732						
281							
282	48+00.00	EARTH					
283		Common Exc	9	13	13	1.00	
	78	78					
284		Subgrade Exc	0	0	0	1.00	
	0	0					
285		Subsoil Exc	0	0	0	1.00	
	0	0					
286		Fill	13	27	27	1.00	-3216
	3294	3294					
287	TOPSOIL						
288		Common Exc	28	37	37	1.00	
	146	146					
289		Subgrade Exc	0	0	0	1.00	
	0	0					
290		Subsoil Exc	13	26	26	1.00	
	649	649					
291		Fill	0	0	0	1.00	-3216
	0	0					
292	Mass ordinate for TOPSOIL = 795						

293	FF	G R A N D S U M M A R Y T O T A L S					
294		Material Name	Unadjusted	Adjusted	Mult		
295			Volumes	Volumes	Factor		
296			(cu. yd.)	(cu. yd.)			
297		-----	-----	-----	-----		
298		EARTH					
299		Common Exc	78	78	1.00		
300		Subgrade Exc	0	0	1.00		
301		Subsoil Exc	0	0	1.00		
302		Fill	3294	3294	1.00		
303		TOPSAIL					
304		Common Exc	146	146	1.00		
305		Subgrade Exc	0	0	1.00		
306		Subsoil Exc	649	649	1.00		
307		Fill	0	0	1.00		
308	FF	S P L I T	S U M M A R Y	T O T A L			

309	S		XS Quant	XS Quant	Add/Sub Quant	Add/Sub
			Quant			Quant
310		Material Name	Unadjusted	Adjusted	Unadjusted	Adjusted
		Mult				

311			Volume Factor	Volume	Volume	Volume
312			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.
313			yd.)			
	-----		-----	-----	-----	-----

314	EARTH					
315		Common Exc	78	78	0	0
		1.00				
316		Subgrade Exc	0	0	0	0
		1.00				
317		Subsoil Exc	0	0	0	0
		1.00				
318		Fill	3294	3294	0	0
		1.00				
319	TOPSOIL					
320		Common Exc	146	146	0	0
		1.00				
321		Subgrade Exc	0	0	0	0
		1.00				
322		Subsoil Exc	649	649	0	0
		1.00				
323		Fill	0	0	0	0
		1.00				
324						

```

1 Input File: ewkprj.inp
2 Output File: Vanatta_EWPSE.log
3 1 1 1
4 1 2 2
5 1 3 3 Earthwork
6 1 4 4
7 1 5 5 tolerance = 0.100000
8 1 6 6
9 1 7 7 vertical search distance = 500.000000
10 1 8 8
11 1 9 9 xs dgn = Y:\Projects\0010000\0014000\14004 TDOT SR 109 Portland
    Bypass\01\Dgn\XS-Vanatta.dgn
12 1 10 10
13 1 11 11 Proposed Finish Grade
14 1 12 12 soil type = Earth
15 1 13 13 roadway exc mult factor = 1.000000
16 1 14 14 subsoil exc mult factor = 1.000000
17 1 15 15 fill mult factor = 1.000000
18 1 16 16 type = line, line_string
19 1 17 17 lvname = DESIGN - EARTHWORK - Adjacent Roadway Tie-In
20 1 18 18 lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
21 1 19 19 lvname = DESIGN - EARTHWORK - Special Tie to Ground
22 1 20 20 co = 2,6-8,16,18
23 1 21 21
24 1 22 22 Existing Ground Line
25 1 23 23 soil type = Earth
26 1 24 24 roadway exc mult factor = 1.000000
27 1 25 25 subsoil exc mult factor = 1.000000
28 1 26 26 fill mult factor = 1.000000
29 1 27 27 type = line, line_string
30 1 28 28 lvname = SURVEY - GROUND - Top of Ground
31 1 29 29 co = 0
32 1 30 30
33 1 31 31 Existing Unsuitable Material
34 1 32 32 soil type = Topsoil
35 1 33 33 roadway exc mult factor = 1.000000
36 1 34 34 subsoil exc mult factor = 1.000000
37 1 35 35 fill mult factor = 1.000000
38 1 36 36 type = line, line_string
39 1 37 37 lvname = SURVEY - GROUND - Bottom of Topsoil Layer
40 1 38 38 co = 2
41 1 39 39
42 1 40 40 Excavation Limit
43 1 41 41 type = line
44 1 42 42 lvname = DESIGN - EARTHWORK - Excavation Limit Lines
45 1 43 43 co = 0
46 1 44 44
47 1 45 45 Write Earthwork Shapes
48 1 46 46 plot param
49 1 47 47 lv = 347
50 1 48 48 lvname = DESIGN - EARTHWORK - Shapes
51 1 49 49 co = 2
52 1 50 50 wt = 0
53 1 51 51 lc = 0
54 1 52 52 Stratify Shape Color
55 1 53 53
56 1 54 54
57 1 55 55 Add Accumulated Adjusted Volume Column
58 1 56 56
59 1 57 57 Add Accumulated Unadjusted Volume Column
60 1 58 58
61 1 59 59 End Area Decimal Places = 0
62 1 60 60
63 1 61 61 Process Earthwork for Baseline = VANATTA
64 1 62 62 job number = 32n
65 1 63 63

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108	Common Exc	22	41	41	1.00	
	70	70				
109	Subgrade Exc	0	0	0	1.00	
	0	0				
110	Subsoil Exc	1	2	2	1.00	
	6	6				
111	Fill	0	0	0	1.00	124
	0	0				
112	Mass ordinate for TOPSOIL = 76					
113						
114	172+50.00 EARTH					
115	Common Exc	73	106	106	1.00	
	236	236				
116	Subgrade Exc	0	0	0	1.00	
	0	0				
117	Subsoil Exc	0	0	0	1.00	
	0	0				
118	Fill	1	2	2	1.00	228
	8	8				
119	TOPSOIL					
120	Common Exc	23	42	42	1.00	
	112	112				
121	Subgrade Exc	0	0	0	1.00	
	0	0				
122	Subsoil Exc	1	2	2	1.00	
	8	8				
123	Fill	0	0	0	1.00	228
	0	0				
124	Mass ordinate for TOPSOIL = 120					
125						
126	173+00.00 EARTH					
127	Common Exc	77	139	139	1.00	
	375	375				
128	Subgrade Exc	0	0	0	1.00	
	0	0				
129	Subsoil Exc	0	0	0	1.00	
	0	0				
130	Fill	1	2	2	1.00	365
	10	10				
131	TOPSOIL					
132	Common Exc	23	43	43	1.00	
	155	155				
133	Subgrade Exc	0	0	0	1.00	
	0	0				
134	Subsoil Exc	1	2	2	1.00	
	10	10				
135	Fill	0	0	0	1.00	365
	0	0				
136	Mass ordinate for TOPSOIL = 165					
137						
138	173+45.17 EARTH					
139	Common Exc	56	111	111	1.00	
	486	486				
140	Subgrade Exc	0	0	0	1.00	
	0	0				
141	Subsoil Exc	0	0	0	1.00	
	0	0				
142	Fill	3	3	3	1.00	473
	13	13				
143	TOPSOIL					
144	Common Exc	31	45	45	1.00	
	200	200				
145	Subgrade Exc	0	0	0	1.00	
	0	0				
146	Subsoil Exc	3	3	3	1.00	
	13	13				

147		Fill	0	0	0	1.00	473
		0	0				
148		Mass ordinate for TOPSOIL = 213					
149							
150	173+50.00	EARTH					
151		Common Exc	51	10	10	1.00	
		496	496				
152		Subgrade Exc	0	0	0	1.00	
		0	0				
153		Subsoil Exc	0	0	0	1.00	
		0	0				
154		Fill	0	0	0	1.00	483
		13	13				
155		TOPSOIL					
156		Common Exc	30	5	5	1.00	
		205	205				
157		Subgrade Exc	0	0	0	1.00	
		0	0				
158		Subsoil Exc	0	0	0	1.00	
		13	13				
159		Fill	0	0	0	1.00	483
		0	0				
160		Mass ordinate for TOPSOIL = 218					
161							
162	173+62.65	EARTH					
163		Common Exc	45	22	22	1.00	
		518	518				
164		Subgrade Exc	0	0	0	1.00	
		0	0				
165		Subsoil Exc	0	0	0	1.00	
		0	0				
166		Fill	0	0	0	1.00	505
		13	13				
167		TOPSOIL					
168		Common Exc	27	13	13	1.00	
		218	218				
169		Subgrade Exc	0	0	0	1.00	
		0	0				
170		Subsoil Exc	0	0	0	1.00	
		13	13				
171		Fill	0	0	0	1.00	505
		0	0				
172		Mass ordinate for TOPSOIL = 231					
173							
174	174+00.00	EARTH					
175		Common Exc	93	95	95	1.00	
		613	613				
176		Subgrade Exc	0	0	0	1.00	
		0	0				
177		Subsoil Exc	0	0	0	1.00	
		0	0				
178		Fill	1	1	1	1.00	599
		14	14				
179		TOPSOIL					
180		Common Exc	39	46	46	1.00	
		264	264				
181		Subgrade Exc	0	0	0	1.00	
		0	0				
182		Subsoil Exc	1	1	1	1.00	
		14	14				
183		Fill	0	0	0	1.00	599
		0	0				
184		Mass ordinate for TOPSOIL = 278					
185							
186	174+50.00	EARTH					
187		Common Exc	137	213	213	1.00	

188	826	826					
	Subgrade Exc		0	0	0	1.00	
	0	0					
189	Subsoil Exc		0	0	0	1.00	
	0	0					
190	Fill		1	2	2	1.00	810
	16	16					
191	TOPSOIL						
192	Common Exc		45	78	78	1.00	
	342	342					
193	Subgrade Exc		0	0	0	1.00	
	0	0					
194	Subsoil Exc		1	2	2	1.00	
	16	16					
195	Fill		0	0	0	1.00	810
	0	0					
196	Mass ordinate for TOPSOIL = 358						

197							
198	175+00.00 EARTH						
199	Common Exc		246	355	355	1.00	
	1181	1181					
200	Subgrade Exc		0	0	0	1.00	
	0	0					
201	Subsoil Exc		0	0	0	1.00	
	0	0					
202	Fill		1	2	2	1.00	1163
	18	18					
203	TOPSOIL						
204	Common Exc		64	101	101	1.00	
	443	443					
205	Subgrade Exc		0	0	0	1.00	
	0	0					
206	Subsoil Exc		1	2	2	1.00	
	18	18					
207	Fill		0	0	0	1.00	1163
	0	0					
208	Mass ordinate for TOPSOIL = 461						

209							
210	175+25.00 EARTH						
211	Common Exc		0	114	114	1.00	
	1295	1295					
212	Subgrade Exc		0	0	0	1.00	
	0	0					
213	Subsoil Exc		0	0	0	1.00	
	0	0					
214	Fill		219	102	102	1.00	1175
	120	120					
215	TOPSOIL						
216	Common Exc		0	30	30	1.00	
	473	473					
217	Subgrade Exc		0	0	0	1.00	
	0	0					
218	Subsoil Exc		47	22	22	1.00	
	40	40					
219	Fill		0	0	0	1.00	1175
	0	0					
220	Mass ordinate for TOPSOIL = 513						

221	G R A N D S U M M A R Y T O T A L S						
222	Material Name		Unadjusted	Adjusted	Mult		
223			Volumes	Volumes	Factor		
224			(cu. yd.)	(cu. yd.)			
225	-----						
226	EARTH						
227	Common Exc		1295	1295	1.00		
228	Subgrade Exc		0	0	1.00		
229	Subsoil Exc		0	0	1.00		

230		Fill		120	120	1.00
231	TOPSOIL					
232		Common Exc		473	473	1.00
233		Subgrade Exc		0	0	1.00
234		Subsoil Exc		40	40	1.00
235		Fill		0	0	1.00
236	FF S	S P L I T	S U M M A R Y	T O T A L		

237			XS Quant	XS Quant	Add/Sub Quant	Add/Sub
238		Material Name	Quant	Unadjusted	Adjusted	Unadjusted
239		Mult				Adjusted
240			Volume	Volume	Volume	Volume
241			Factor			
242			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu.
243			yd.)			
244		-----	-----	-----	-----	-----
245		-----				
246	EARTH					
247		Common Exc	1295	1295	0	0
248		1.00				
249		Subgrade Exc	0	0	0	0
250		1.00				
251		Subsoil Exc	0	0	0	0
252		1.00				
253		Fill	120	120	0	0
254		1.00				
255	TOPSOIL					
256		Common Exc	473	473	0	0
257		1.00				
258		Subgrade Exc	0	0	0	0
259		1.00				
260		Subsoil Exc	40	40	0	0
261		1.00				
262		Fill	0	0	0	0
263		1.00				

Subgrade Adjustment for Estimated Grading Quantities

ROAD NAME	EXC.			EMB.
	AVAILABLE FOR FILL	TOPSOIL		
		EXC.	EMB.	
SR-109	189106	47874	99912	813817
SR-109 1.60' Depth	184286	54210	105903	774215
SR-109 1.69' Depth	187192	54925	105288	769101
Subgrade Adjustment	192012	48589	99297	808703
SubTotal Mainline	192012	48589	99297	808703
SR-52	5075	4762	5048	21912
SR-52 1.50' Depth	3646	4087	5043	21797
SR-52 1.69' Depth	5087	4490	4649	20896
Subgrade Adjustment	6516	5165	4654	21011
RAMP 1	16991	1430	666	4845
Ramp1 1.50' Depth	22110	2128	678	4279
Ramp1 1.67' Depth	22350	2136	669	4160
Subgrade Adjustment	17231	1438	657	4726
RAMP 2	14220	2135	920	5612
Ramp2 1.50' Depth	17126	2603	1218	6879
Ramp2 1.67' Depth	17450	2616	1204	6630
Subgrade Adjustment	14544	2148	906	5363
RAMP 3	171	67	1971	28861
Ramp3 1.50' Depth	198	81	2787	44852
Ramp3 1.67' Depth	204	81	2795	44631
Subgrade Adjustment	177	67	1979	28640
RAMP 4	1135	295	1623	29817
Ramp4 1.50' Depth	434	229	2726	40382
Ramp4 1.69' Depth	467	232	2739	40337
Subgrade Adjustment	1168	298	1636	29772
TGT WEST	1401	267	174	2208
TGT West 1.15' Depth	912	188	193	2590
TGT West 1.19' Depth	917	190	191	2577
Subgrade Adjustment	1406	269	172	2195
TGT EAST	480	203	378	5792
TGT East 1.15' Depth	288	102	349	4959

TGT East 1.19' Depth	291	102	349	4933
Subgrade Adjustment	483	203	378	5766
NEW KIRBY	4687	932	860	7941
New Kirby 1.00' Depth	7412	805	857	3860
New Kirby 1.60' Depth	8018	915	745	3043
Subgrade Adjustment	5293	1042	748	7124
FRONTAGE ROAD 1	9758	515	2	2
Frontage Road 2 0.94' Depth	7553	391	2	2
Frontage Road 2 1.00' Depth	7573	391	2	2
Subgrade Adjustment	9778	515	2	2
FRONTAGE ROAD 2	47017	3734	688	1592
Frontage Road 2 0.94' Depth	26310	1990	666	1441
Frontage Road 2 1.00' Depth	26430	2000	656	1382
Subgrade Adjustment	47137	3744	678	1533
FRONTAGE ROAD 3	545	230	756	3482
Frontage Road 2 0.94' Depth	478	202	59	2786
Frontage Road 2 1.00' Depth	478	202	59	2786
Subgrade Adjustment	545	230	756	3482
VANATTA DRIVE	1295	473	40	120
Vanatta Drive 0.94' Depth	1011	449	48	138
Vanatta Drive 1.00' Depth	1011	449	48	138
Subgrade Adjustment	1295	473	40	120
SHARON DRIVE	927	0	1	164
Sharon Drive 0.94' Depth	791	1	1	140
Sharon Drive 1.00' Depth	791	1	1	140
Subgrade Adjustment	927	0	1	164
WOODS DRIVE (NEW)	78	146	649	3294
Woods Drive 0.94' Depth	74	136	685	3630
Woods Drive 1.00' Depth	78	146	676	3570
Subgrade Adjustment	82	156	640	3234
SubTotal Sideroads	106582	15748	13247	113132