```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-1.inp
Output File: ear_L_128-158.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11            lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop
XS Subgrade Earthwork, Prop XS Finish Grade Earthwork, Prop XS Finish Grade
Pavement, Prop XS Finish Grade, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_2, Scratch_Level_3
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Prop XS Earthwork Shape
 1    25    25
 1    26    26            stratify shape color
 1    27    27
 1    28    28       Calculate only between excavation limits
 1    29    29
 1    30    30       process earthwork for baseline = L
 1    31    31       job number = RDY
 1    32    32       beg station = 128+00 R 1
 1    33    33       end station = 158+00 R 1
 0     0    34 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
128+00.00	UNCLASSIFIED					

Common Exc	256.48	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	99.12	0	0	1.00	0

128+50.00 UNCLASSIFIED

Common Exc	944.92	1112	1112	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	92	92	1.00	821

129+00.00 UNCLASSIFIED

Common Exc	1458.00	2225	2225	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	3046

129+50.00 UNCLASSIFIED

Common Exc	2316.71	3495	3495	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6541

130+00.00 UNCLASSIFIED

Common Exc	3192.23	5101	5101	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	11642

130+50.00 UNCLASSIFIED

Common Exc	4567.67	7185	7185	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	18827

131+00.00 UNCLASSIFIED

Common Exc	6238.23	10005	10005	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	28832

131+50.00 UNCLASSIFIED

Common Exc	8572.76	13714	13714	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	42546

132+00.00 UNCLASSIFIED

Common Exc	10300.64	17475	17475	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	60021

132+50.00 UNCLASSIFIED

Common Exc	11365.68	20061	20061	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	80082

133+00.00 UNCLASSIFIED

Common Exc	11274.39	20963	20963	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	101045

133+50.00 UNCLASSIFIED

Common Exc	10955.04	20583	20583	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	121628

134+00.00 UNCLASSIFIED

Common Exc	10430.75	19802	19802	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	141430

134+50.00 UNCLASSIFIED

Common Exc	9748.31	18684	18684	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	160114

135+00.00 UNCLASSIFIED

Common Exc	9270.93	17610	17610	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	177724

135+50.00 UNCLASSIFIED

Common Exc	9391.21	17280	17280	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	195004

136+00.00 UNCLASSIFIED

Common Exc	9102.30	17124	17124	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	212128

136+50.00 UNCLASSIFIED

Common Exc	9588.92	17307	17307	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	229435

137+00.00 UNCLASSIFIED

Common Exc	9865.66	18014	18014	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	247449

137+50.00 UNCLASSIFIED

Common Exc	10007.98	18402	18402	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	265851

138+00.00 UNCLASSIFIED

Common Exc	9897.78	18431	18431	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	284282

138+50.00 UNCLASSIFIED

Common Exc	9315.64	17790	17790	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	302072

139+00.00 UNCLASSIFIED

Common Exc	8580.41	16570	16570	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	318642

139+50.00 UNCLASSIFIED

Common Exc	7906.69	15266	15266	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	333908

140+00.00 UNCLASSIFIED

Common Exc	6353.08	13203	13203	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	347111

140+50.00 UNCLASSIFIED

Common Exc	5988.41	11427	11427	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	358538

141+00.00 UNCLASSIFIED

Common Exc	6263.80	11345	11345	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	369883

141+50.00 UNCLASSIFIED

Common Exc	4623.76	10081	10081	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	379964

142+00.00 UNCLASSIFIED

Common Exc	3868.50	7863	7863	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	387827

142+50.00 UNCLASSIFIED

Common Exc	4179.20	7452	7452	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	395279

143+00.00 UNCLASSIFIED

Common Exc	4712.65	8233	8233	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	403512

143+50.00 UNCLASSIFIED

Common Exc	4525.52	8554	8554	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	412066

144+00.00 UNCLASSIFIED

Common Exc	4025.40	7918	7918	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	419984

144+50.00 UNCLASSIFIED

Common Exc	3342.83	6822	6822	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	426806

145+00.00 UNCLASSIFIED

Common Exc	2633.99	5534	5534	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	432340

145+50.00 UNCLASSIFIED

Common Exc	1893.46	4192	4192	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	436532

146+00.00 UNCLASSIFIED

Common Exc	1048.90	2724	2724	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	439256

146+50.00 UNCLASSIFIED

Common Exc	115.31	1078	1078	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	294.95	273	273	1.00	440061

147+00.00 UNCLASSIFIED

Common Exc	17.52	123	123	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2435.08	2528	2528	1.00	437656

147+50.00 UNCLASSIFIED

Common Exc	82.98	93	93	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5145.52	7019	7019	1.00	430730

148+00.00 UNCLASSIFIED

Common Exc	0.00	77	77	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7124.54	11361	11361	1.00	419446

148+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6132.84	12275	12275	1.00	407171

149+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3844.43	9238	9238	1.00	397933

149+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4896.22	8093	8093	1.00	389840

150+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7479.96	11459	11459	1.00	378381

150+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9054.91	15310	15310	1.00	363071

151+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8692.50	16433	16433	1.00	346638

151+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7055.30	14581	14581	1.00	332057

152+00.00 UNCLASSIFIED

	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5670.58	11783	11783	1.00	320274
152+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2719.74	7769	7769	1.00	312505
153+00.00	UNCLASSIFIED					
	Common Exc	250.54	232	232	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	224.57	2726	2726	1.00	310011
153+50.00	UNCLASSIFIED					
	Common Exc	1337.02	1470	1470	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	156.15	353	353	1.00	311128
154+00.00	UNCLASSIFIED					
	Common Exc	1404.55	2538	2538	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	187.88	319	319	1.00	313347
154+50.00	UNCLASSIFIED					
	Common Exc	1831.43	2996	2996	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2.00	176	176	1.00	316167
155+00.00	UNCLASSIFIED					
	Common Exc	2969.54	4445	4445	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	2	2	1.00	320610
155+50.00	UNCLASSIFIED					
	Common Exc	4358.69	6785	6785	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	327395
156+00.00	UNCLASSIFIED					

Common Exc	5703.53	9317	9317	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	336712

156+50.00 UNCLASSIFIED

Common Exc	6708.87	11493	11493	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	348205

157+00.00 UNCLASSIFIED

Common Exc	7274.04	12947	12947	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	361152

157+50.00 UNCLASSIFIED

Common Exc	7316.88	13510	13510	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	374662

158+00.00 UNCLASSIFIED

Common Exc	6819.94	13090	13090	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	387752

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
UNCLASSIFIED			
Common Exc	519741	519741	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	131790	131790	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-2.inp
Output File: ear_L_158-188.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Pattern
30, Pattern 32, Pattern 34, Pattern 36, Prop XS Subgrade Earthwork
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_2, Scratch_Level_3
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Prop XS Earthwork Shape
 1    25    25
 1    26    26            stratify shape color
 1    27    27
 1    28    28       Calculate only between excavation limits
 1    29    29
 1    30    30       process earthwork for baseline = L
 1    31    31       job number = RDY
 1    32    32       beg station = 158+00 R 1
 1    33    33       end station = 188+00 R 1
 0     0    34 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
158+00.00	UNCLASSIFIED					

Common Exc	6819.94	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	0

158+50.00 UNCLASSIFIED

Common Exc	5956.97	11830	11830	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	11830

159+00.00 UNCLASSIFIED

Common Exc	3692.55	8935	8935	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	80.41	74	74	1.00	20691

159+50.00 UNCLASSIFIED

Common Exc	2989.04	6187	6187	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	487.97	526	526	1.00	26352

160+00.00 UNCLASSIFIED

Common Exc	3283.34	5808	5808	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	66.24	513	513	1.00	31647

160+50.00 UNCLASSIFIED

Common Exc	4148.74	6882	6882	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	61	61	1.00	38468

161+00.00 UNCLASSIFIED

Common Exc	4291.26	7815	7815	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	46283

161+50.00 UNCLASSIFIED

Common Exc	4178.86	7843	7843	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	54126

162+00.00 UNCLASSIFIED

Common Exc	3573.89	7178	7178	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	61304

162+50.00 UNCLASSIFIED

Common Exc	2818.73	5919	5919	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	67223

163+00.00 UNCLASSIFIED

Common Exc	2174.18	4623	4623	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	71846

163+50.00 UNCLASSIFIED

Common Exc	990.29	2930	2930	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.38	3	3	1.00	74773

164+00.00 UNCLASSIFIED

Common Exc	399.26	1287	1287	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	611.33	569	569	1.00	75491

164+50.00 UNCLASSIFIED

Common Exc	0.00	370	370	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1439.46	1899	1899	1.00	73962

165+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3674.32	4735	4735	1.00	69227

165+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6484.37	9406	9406	1.00	59821

166+00.00 UNCLASSIFIED

	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9332.31	14645	14645	1.00	45176
166+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	12567.17	20277	20277	1.00	24899
167+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15692.19	26166	26166	1.00	-1267
167+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17939.04	31140	31140	1.00	-32407
168+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19170.72	34361	34361	1.00	-66768
168+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18152.66	34559	34559	1.00	-101327
169+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15872.81	31505	31505	1.00	-132832
169+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	12906.64	26648	26648	1.00	-159480
170+00.00	UNCLASSIFIED					

	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10667.53	21828	21828	1.00	-181308
170+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	7460.49	16785	16785	1.00	-198093
171+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3996.15	10608	10608	1.00	-208701
171+50.00	UNCLASSIFIED					
	Common Exc	7.59	7	7	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1436.08	5030	5030	1.00	-213724
172+00.00	UNCLASSIFIED					
	Common Exc	3.48	10	10	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	444.44	1741	1741	1.00	-215455
172+50.00	UNCLASSIFIED					
	Common Exc	66.33	65	65	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	143.32	544	544	1.00	-215934
173+00.00	UNCLASSIFIED					
	Common Exc	439.58	468	468	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.09	133	133	1.00	-215599
173+50.00	UNCLASSIFIED					
	Common Exc	2261.79	2501	2501	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-213098
174+00.00	UNCLASSIFIED					

Common Exc	2602.45	4504	4504	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-208594

174+50.00 UNCLASSIFIED

Common Exc	2320.96	4559	4559	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-204035

175+00.00 UNCLASSIFIED

Common Exc	1902.87	3911	3911	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-200124

175+50.00 UNCLASSIFIED

Common Exc	1363.11	3024	3024	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-197100

176+00.00 UNCLASSIFIED

Common Exc	1073.20	2256	2256	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-194844

176+50.00 UNCLASSIFIED

Common Exc	762.22	1699	1699	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.55	6	6	1.00	-193151

177+00.00 UNCLASSIFIED

Common Exc	206.64	897	897	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	186.06	178	178	1.00	-192432

177+50.00 UNCLASSIFIED

Common Exc	33.91	223	223	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1990.94	2016	2016	1.00	-194225

178+00.00 UNCLASSIFIED

Common Exc	3.66	35	35	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4267.75	5795	5795	1.00	-199985

178+50.00 UNCLASSIFIED

Common Exc	0.00	3	3	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5346.61	8902	8902	1.00	-208884

179+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5259.32	9820	9820	1.00	-218704

179+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4097.36	8664	8664	1.00	-227368

180+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2473.95	6085	6085	1.00	-233453

180+50.00 UNCLASSIFIED

Common Exc	195.80	181	181	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1225.55	3425	3425	1.00	-236697

181+00.00 UNCLASSIFIED

Common Exc	493.53	638	638	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	400.13	1505	1505	1.00	-237564

181+50.00 UNCLASSIFIED

Common Exc	928.67	1317	1317	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	17.00	386	386	1.00	-236633

182+00.00 UNCLASSIFIED

Common Exc	1974.00	2688	2688	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	16	16	1.00	-233961

182+50.00 UNCLASSIFIED

Common Exc	3651.98	5209	5209	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-228752

183+00.00 UNCLASSIFIED

Common Exc	4629.90	7668	7668	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-221084

183+50.00 UNCLASSIFIED

Common Exc	5280.89	9177	9177	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-211907

184+00.00 UNCLASSIFIED

Common Exc	5854.05	10310	10310	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-201597

184+50.00 UNCLASSIFIED

Common Exc	6202.72	11164	11164	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-190433

185+00.00 UNCLASSIFIED

Common Exc	6568.04	11825	11825	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-178608

185+50.00 UNCLASSIFIED

Common Exc	6957.03	12523	12523	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-166085

186+00.00 UNCLASSIFIED

Common Exc	7803.58	13667	13667	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-152418

186+50.00 UNCLASSIFIED

Common Exc	8505.60	15101	15101	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-137317

187+00.00 UNCLASSIFIED

Common Exc	9179.31	16375	16375	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-120942

187+50.00 UNCLASSIFIED

Common Exc	9446.10	17246	17246	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-103696

188+00.00 UNCLASSIFIED

Common Exc	9052.46	17128	17128	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-86568

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
UNCLASSIFIED			
Common Exc	253986	253986	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	340554	340554	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-3.inp
Output File: ear_L_188-218.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20          plot parameters
 1    21    21            lvname = Prop XS Earthwork Shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = L
 1    26    26       job number = RDY
 1    27    27       beg station = 188+00 R 1
 1    28    28       end station = 218+00 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
188+00.00	UNCLASSIFIED					
	Common Exc	9052.46	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0

188+50.00	UNCLASSIFIED					
	Common Exc	8265.74	16035	16035	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	16035
189+00.00	UNCLASSIFIED					
	Common Exc	8201.89	15248	15248	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	31283
189+50.00	UNCLASSIFIED					
	Common Exc	10625.51	17433	17433	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	48716
190+00.00	UNCLASSIFIED					
	Common Exc	12690.14	21589	21589	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	70305
190+50.00	UNCLASSIFIED					
	Common Exc	13802.79	24530	24530	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	94835
191+00.00	UNCLASSIFIED					
	Common Exc	15367.74	27010	27010	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	121845
191+50.00	UNCLASSIFIED					
	Common Exc	18085.30	30975	30975	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	152820
192+00.00	UNCLASSIFIED					
	Common Exc	21112.09	36294	36294	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	189114

192+50.00	UNCLASSIFIED					
	Common Exc	21711.22	39651	39651	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	228765
193+00.00	UNCLASSIFIED					
	Common Exc	21577.03	40082	40082	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	268847
193+50.00	UNCLASSIFIED					
	Common Exc	21312.21	39712	39712	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	308559
194+00.00	UNCLASSIFIED					
	Common Exc	20668.60	38871	38871	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	347430
194+50.00	UNCLASSIFIED					
	Common Exc	19214.84	36929	36929	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	384359
195+00.00	UNCLASSIFIED					
	Common Exc	17993.17	34452	34452	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	418811
195+50.00	UNCLASSIFIED					
	Common Exc	16990.36	32392	32392	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	451203
196+00.00	UNCLASSIFIED					
	Common Exc	15553.73	30133	30133	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	481336

196+50.00	UNCLASSIFIED					
	Common Exc	13101.71	26533	26533	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	507869
197+00.00	UNCLASSIFIED					
	Common Exc	9628.67	21047	21047	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	528916
197+50.00	UNCLASSIFIED					
	Common Exc	6092.58	14557	14557	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	543473
198+00.00	UNCLASSIFIED					
	Common Exc	3010.23	8429	8429	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	551902
198+50.00	UNCLASSIFIED					
	Common Exc	664.13	3402	3402	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2.53	2	2	1.00	555302
199+00.00	UNCLASSIFIED					
	Common Exc	325.30	916	916	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	414.16	386	386	1.00	555832
199+50.00	UNCLASSIFIED					
	Common Exc	931.30	1164	1164	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	217.02	584	584	1.00	556412
200+00.00	UNCLASSIFIED					
	Common Exc	3195.78	3821	3821	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	201	201	1.00	560032

200+50.00	UNCLASSIFIED					
	Common Exc	6445.94	8928	8928	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	568960
201+00.00	UNCLASSIFIED					
	Common Exc	9411.63	14683	14683	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	583643
201+50.00	UNCLASSIFIED					
	Common Exc	10570.78	18502	18502	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	602145
202+00.00	UNCLASSIFIED					
	Common Exc	9919.13	18972	18972	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	621117
202+50.00	UNCLASSIFIED					
	Common Exc	8332.61	16900	16900	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	638017
203+00.00	UNCLASSIFIED					
	Common Exc	6233.24	13487	13487	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	651504
203+50.00	UNCLASSIFIED					
	Common Exc	4291.65	9745	9745	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	661249
204+00.00	UNCLASSIFIED					
	Common Exc	2697.50	6471	6471	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	667720

204+50.00	UNCLASSIFIED					
	Common Exc	1181.09	3591	3591	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	671311
205+00.00	UNCLASSIFIED					
	Common Exc	47.38	1137	1137	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	146.45	136	136	1.00	672312
205+50.00	UNCLASSIFIED					
	Common Exc	0.00	44	44	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	838.06	912	912	1.00	671444
206+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1353.64	2029	2029	1.00	669415
206+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1626.01	2759	2759	1.00	666656
207+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1731.39	3109	3109	1.00	663547
207+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1507.13	2999	2999	1.00	660548
208+00.00	UNCLASSIFIED					
	Common Exc	3.86	4	4	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1152.57	2463	2463	1.00	658089

208+50.00	UNCLASSIFIED					
	Common Exc	143.53	136	136	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	581.84	1606	1606	1.00	656619
209+00.00	UNCLASSIFIED					
	Common Exc	414.78	517	517	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	214.98	738	738	1.00	656398
209+50.00	UNCLASSIFIED					
	Common Exc	719.02	1050	1050	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	12.31	210	210	1.00	657238
210+00.00	UNCLASSIFIED					
	Common Exc	1190.83	1768	1768	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	11	11	1.00	658995
210+50.00	UNCLASSIFIED					
	Common Exc	1776.29	2747	2747	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	661742
211+00.00	UNCLASSIFIED					
	Common Exc	2201.24	3683	3683	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	665425
211+50.00	UNCLASSIFIED					
	Common Exc	1674.75	3589	3589	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	669014
212+00.00	UNCLASSIFIED					
	Common Exc	510.50	2023	2023	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	126.11	117	117	1.00	670920

212+50.00	UNCLASSIFIED					
	Common Exc	8.27	480	480	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1186.27	1215	1215	1.00	670185
213+00.00	UNCLASSIFIED					
	Common Exc	0.00	8	8	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3057.08	3929	3929	1.00	666264
213+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5424.71	7854	7854	1.00	658410
214+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6823.43	11341	11341	1.00	647069
214+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9672.55	15274	15274	1.00	631795
215+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13272.73	21246	21246	1.00	610549
215+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16574.48	27636	27636	1.00	582913
216+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19596.16	33491	33491	1.00	549422

216+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	21934.61	38454	38454	1.00	510968
217+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	23137.15	41733	41733	1.00	469235
217+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	20698.52	40589	40589	1.00	428646
218+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17534.47	35401	35401	1.00	393245

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
UNCLASSIFIED			
Common Exc	689670	689670	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	296425	296425	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-4.inp
Output File: ear_L_218-248.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13
 1    14    14       existing ground line
 1    15    15         soil type = unclassified
 1    16    16         type = line, line_string
 1    17    17         lvname = Old_Level_60
 1    18    18  lvname = Exist XS Ground Line
 1    19    19
 1    20    20       write earthwork shapes
 1    21    21          plot parameters
 1    22    22            lvname = Prop XS Earthwork Shape
 1    23    23
 1    24    24            stratify shape color
 1    25    25
 1    26    26       process earthwork for baseline = L
 1    27    27       job number = RDY
 1    28    28       beg station = 218+00 R 1
 1    29    29       end station = 248+00 R 1
 0     0    30 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
218+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17534.47	0	0	1.00	0

218+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15919.85	30976	30976	1.00	-30976
219+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15402.51	29002	29002	1.00	-59978
219+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13385.63	26656	26656	1.00	-86634
220+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	11296.44	22854	22854	1.00	-109488
220+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10192.21	19897	19897	1.00	-129385
221+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9834.61	18543	18543	1.00	-147928
221+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9527.89	17928	17928	1.00	-165856
222+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9827.30	17921	17921	1.00	-183777

222+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9786.27	18161	18161	1.00	-201938
223+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10745.84	19011	19011	1.00	-220949
223+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13067.10	22049	22049	1.00	-242998
224+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	14912.89	25907	25907	1.00	-268905
224+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16548.14	29131	29131	1.00	-298036
225+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18183.14	32159	32159	1.00	-330195
225+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19901.38	35263	35263	1.00	-365458
226+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	21305.84	38155	38155	1.00	-403613

226+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	21079.53	39246	39246	1.00	-442859
227+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18595.90	36737	36737	1.00	-479596
227+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16628.21	32615	32615	1.00	-512211
228+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15714.56	29947	29947	1.00	-542158
228+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16210.34	29560	29560	1.00	-571718
229+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17077.88	30822	30822	1.00	-602540
229+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17887.37	32375	32375	1.00	-634915
230+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18822.20	33990	33990	1.00	-668905

230+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19108.51	35121	35121	1.00	-704026
231+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18773.80	35076	35076	1.00	-739102
231+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17247.75	33353	33353	1.00	-772455
232+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	14972.74	29834	29834	1.00	-802289
232+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13733.34	26580	26580	1.00	-828869
233+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	14506.58	26148	26148	1.00	-855017
233+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17920.40	30025	30025	1.00	-885042
234+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18651.44	33863	33863	1.00	-918905

234+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19737.68	35545	35545	1.00	-954450
235+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	21431.83	38120	38120	1.00	-992570
235+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	22695.99	40859	40859	1.00	-1033429
236+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	23141.05	42442	42442	1.00	-1075871
236+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	23118.93	42833	42833	1.00	-1118704
237+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	22918.94	42628	42628	1.00	-1161332
237+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	21753.86	41364	41364	1.00	-1202696
238+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	20104.10	38757	38757	1.00	-1241453

238+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17997.67	35279	35279	1.00	-1276732
239+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16092.44	31565	31565	1.00	-1308297
239+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	14453.30	28283	28283	1.00	-1336580
240+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13028.49	25446	25446	1.00	-1362026
240+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	11689.71	22887	22887	1.00	-1384913
241+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	11120.56	21121	21121	1.00	-1406034
241+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10196.36	19738	19738	1.00	-1425772
242+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	8665.59	17465	17465	1.00	-1443237

242+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	7790.62	15237	15237	1.00	-1458474
243+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6773.79	13486	13486	1.00	-1471960
243+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6022.19	11848	11848	1.00	-1483808
244+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6267.57	11379	11379	1.00	-1495187
244+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5949.51	11312	11312	1.00	-1506499
245+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4828.42	9980	9980	1.00	-1516479
245+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3410.82	7629	7629	1.00	-1524108
246+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2205.59	5200	5200	1.00	-1529308

246+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1248.69	3198	3198	1.00	-1532506
247+00.00 UNCLASSIFIED						
	Common Exc	22.21	21	21	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	868.56	1960	1960	1.00	-1534445
247+50.00 UNCLASSIFIED						
	Common Exc	253.82	256	256	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	948.90	1683	1683	1.00	-1535872
248+00.00 UNCLASSIFIED						
	Common Exc	409.33	614	614	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	983.91	1790	1790	1.00	-1537048

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
UNCLASSIFIED			
Common Exc	891	891	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	1537939	1537939	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-5.inp
Output File: ear_L_248-278.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11  lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13
 1    14    14       existing ground line
 1    15    15         soil type = unclassified
 1    16    16         type = line, line_string
 1    17    17         lvname = Old_Level_60
 1    18    18  lvname = Exist XS Ground Line
 1    19    19
 1    20    20       write earthwork shapes
 1    21    21          plot parameters
 1    22    22          lvname = Prop XS Earthwork Shape
 1    23    23
 1    24    24            stratify shape color
 1    25    25
 1    26    26       process earthwork for baseline = L
 1    27    27       job number = RDY
 1    28    28       beg station = 248+00 R 1
 1    29    29       end station = 278+00 R 1
 0     0    30 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
248+00.00	UNCLASSIFIED					
	Common Exc	409.33	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	983.91	0	0	1.00	0

248+50.00	UNCLASSIFIED					
	Common Exc	510.62	852	852	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	728.66	1586	1586	1.00	-734
249+00.00	UNCLASSIFIED					
	Common Exc	674.97	1098	1098	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	358.25	1006	1006	1.00	-642
249+50.00	UNCLASSIFIED					
	Common Exc	1116.57	1659	1659	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	60.92	388	388	1.00	629
250+00.00	UNCLASSIFIED					
	Common Exc	1797.09	2698	2698	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.15	57	57	1.00	3270
250+50.00	UNCLASSIFIED					
	Common Exc	2790.16	4247	4247	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	7517
251+00.00	UNCLASSIFIED					
	Common Exc	3832.70	6132	6132	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	13649
251+50.00	UNCLASSIFIED					
	Common Exc	4903.75	8089	8089	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	21738
252+00.00	UNCLASSIFIED					
	Common Exc	6178.57	10261	10261	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	31999

252+50.00	UNCLASSIFIED					
	Common Exc	7135.99	12328	12328	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	44327
253+00.00	UNCLASSIFIED					
	Common Exc	8133.21	14138	14138	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	58465
253+50.00	UNCLASSIFIED					
	Common Exc	8751.23	15634	15634	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	74099
254+00.00	UNCLASSIFIED					
	Common Exc	9089.78	16519	16519	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	90618
254+50.00	UNCLASSIFIED					
	Common Exc	9014.90	16764	16764	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	107382
255+00.00	UNCLASSIFIED					
	Common Exc	8328.56	16059	16059	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	123441
255+50.00	UNCLASSIFIED					
	Common Exc	7127.14	14311	14311	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	137752
256+00.00	UNCLASSIFIED					
	Common Exc	5561.02	11748	11748	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	149500

256+50.00	UNCLASSIFIED					
	Common Exc	3645.48	8525	8525	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	158025
257+00.00	UNCLASSIFIED					
	Common Exc	2150.20	5366	5366	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	163391
257+50.00	UNCLASSIFIED					
	Common Exc	1041.51	2955	2955	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	24.47	23	23	1.00	166323
258+00.00	UNCLASSIFIED					
	Common Exc	309.09	1251	1251	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	379.09	374	374	1.00	167200
258+50.00	UNCLASSIFIED					
	Common Exc	114.39	392	392	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	771.39	1065	1065	1.00	166527
259+00.00	UNCLASSIFIED					
	Common Exc	85.42	185	185	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	623.46	1292	1292	1.00	165420
259+50.00	UNCLASSIFIED					
	Common Exc	92.11	164	164	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	414.34	961	961	1.00	164623
260+00.00	UNCLASSIFIED					
	Common Exc	442.47	495	495	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	18.06	400	400	1.00	164718

260+50.00	UNCLASSIFIED					
	Common Exc	1575.30	1868	1868	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	17	17	1.00	166569
261+00.00	UNCLASSIFIED					
	Common Exc	2759.14	4013	4013	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	170582
261+50.00	UNCLASSIFIED					
	Common Exc	4046.41	6301	6301	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	176883
262+00.00	UNCLASSIFIED					
	Common Exc	4940.57	8321	8321	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	185204
262+50.00	UNCLASSIFIED					
	Common Exc	5839.56	9982	9982	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	195186
263+00.00	UNCLASSIFIED					
	Common Exc	6256.44	11200	11200	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	206386
263+50.00	UNCLASSIFIED					
	Common Exc	6416.79	11734	11734	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	218120
264+00.00	UNCLASSIFIED					
	Common Exc	6566.39	12021	12021	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	230141

264+50.00	UNCLASSIFIED					
	Common Exc	6642.65	12231	12231	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	242372
265+00.00	UNCLASSIFIED					
	Common Exc	6557.50	12222	12222	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	254594
265+50.00	UNCLASSIFIED					
	Common Exc	6507.53	12097	12097	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	266691
266+00.00	UNCLASSIFIED					
	Common Exc	6561.60	12101	12101	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	278792
266+50.00	UNCLASSIFIED					
	Common Exc	6684.32	12265	12265	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	291057
267+00.00	UNCLASSIFIED					
	Common Exc	6621.63	12320	12320	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	303377
267+50.00	UNCLASSIFIED					
	Common Exc	6408.38	12065	12065	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	315442
268+00.00	UNCLASSIFIED					
	Common Exc	6166.66	11644	11644	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	327086

268+50.00	UNCLASSIFIED					
	Common Exc	5885.38	11159	11159	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	338245
269+00.00	UNCLASSIFIED					
	Common Exc	5485.02	10528	10528	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	348773
269+50.00	UNCLASSIFIED					
	Common Exc	5051.28	9756	9756	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	358529
270+00.00	UNCLASSIFIED					
	Common Exc	4696.92	9026	9026	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	367555
270+50.00	UNCLASSIFIED					
	Common Exc	4362.47	8388	8388	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	375943
271+00.00	UNCLASSIFIED					
	Common Exc	3996.10	7739	7739	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	383682
271+50.00	UNCLASSIFIED					
	Common Exc	3496.05	6937	6937	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	390619
272+00.00	UNCLASSIFIED					
	Common Exc	2934.04	5954	5954	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	396573

272+50.00	UNCLASSIFIED					
	Common Exc	2025.63	4592	4592	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	401165
273+00.00	UNCLASSIFIED					
	Common Exc	1167.14	2956	2956	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	404121
273+50.00	UNCLASSIFIED					
	Common Exc	272.00	1333	1333	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	183.90	170	170	1.00	405284
274+00.00	UNCLASSIFIED					
	Common Exc	21.41	272	272	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	855.09	962	962	1.00	404594
274+50.00	UNCLASSIFIED					
	Common Exc	0.00	20	20	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1278.27	1975	1975	1.00	402639
275+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1569.81	2637	2637	1.00	400002
275+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1172.27	2539	2539	1.00	397463
276+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	661.86	1698	1698	1.00	395765

276+50.00 UNCLASSIFIED						
	Common Exc	10.70	10	10	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	235.53	831	831	1.00	394944
277+00.00 UNCLASSIFIED						
	Common Exc	127.61	128	128	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	50.47	265	265	1.00	394807
277+50.00 UNCLASSIFIED						
	Common Exc	320.72	415	415	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	29.54	74	74	1.00	395148
278+00.00 UNCLASSIFIED						
	Common Exc	356.95	627	627	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	51.05	75	75	1.00	395700

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
UNCLASSIFIED			
Common Exc	414095	414095	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	18395	18395	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-6.inp
Output File: ear_L_278-Beg Bridge.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17  lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_2, Scratch_Level_3
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Prop XS Earthwork Shape
 1    25    25
 1    26    26            stratify shape color
 1    27    27
 1    28    28       Calculate only between excavation limits
 1    29    29
 1    30    30       process earthwork for baseline = L
 1    31    31       job number = RDY
 1    32    32       beg station = 278+00.00 R 1
 1    33    33       end station = 301+18.32 R 1
 0     0    34 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
278+00.00	UNCLASSIFIED					

ear_L_278-Beg Bridge

Common Exc	356.95	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	51.05	0	0	1.00	0

278+50.00 UNCLASSIFIED

Common Exc	475.72	771	771	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	31.83	77	77	1.00	694

279+00.00 UNCLASSIFIED

Common Exc	484.57	889	889	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	25.57	53	53	1.00	1530

279+50.00 UNCLASSIFIED

Common Exc	495.81	908	908	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.46	46	46	1.00	2392

280+00.00 UNCLASSIFIED

Common Exc	526.37	946	946	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	14.87	36	36	1.00	3302

280+50.00 UNCLASSIFIED

Common Exc	718.37	1153	1153	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	14	14	1.00	4441

281+00.00 UNCLASSIFIED

Common Exc	899.64	1498	1498	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	5939

281+50.00 UNCLASSIFIED

Common Exc	1269.18	2008	2008	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	7947

282+00.00 UNCLASSIFIED

Common Exc	1756.78	2802	2802	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	10749

282+50.00 UNCLASSIFIED

Common Exc	2189.47	3654	3654	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	14403

283+00.00 UNCLASSIFIED

Common Exc	2634.33	4466	4466	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	18869

283+50.00 UNCLASSIFIED

Common Exc	3254.33	5452	5452	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	24321

284+00.00 UNCLASSIFIED

Common Exc	4016.76	6732	6732	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	31053

284+50.00 UNCLASSIFIED

Common Exc	4766.23	8132	8132	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	39185

285+00.00 UNCLASSIFIED

Common Exc	5536.18	9539	9539	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	48724

285+50.00 UNCLASSIFIED

Common Exc	6437.92	11087	11087	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	59811

286+00.00 UNCLASSIFIED

Common Exc	7339.09	12756	12756	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	72567

286+50.00 UNCLASSIFIED

Common Exc	8454.69	14624	14624	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	87191

287+00.00 UNCLASSIFIED

Common Exc	9637.71	16752	16752	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	103943

287+50.00 UNCLASSIFIED

Common Exc	10934.76	19049	19049	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	122992

288+00.00 UNCLASSIFIED

Common Exc	12364.33	21573	21573	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	144565

288+50.00 UNCLASSIFIED

Common Exc	13823.59	24248	24248	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	168813

289+00.00 UNCLASSIFIED

Common Exc	15186.30	26861	26861	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	195674

289+50.00 UNCLASSIFIED

Common Exc	16258.50	29116	29116	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	224790

290+00.00 UNCLASSIFIED

Common Exc	16769.50	30581	30581	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	255371

290+50.00 UNCLASSIFIED

Common Exc	16358.79	30674	30674	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	286045

291+00.00 UNCLASSIFIED

Common Exc	8852.88	23344	23344	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	309389

291+50.00 UNCLASSIFIED

Common Exc	8227.25	15815	15815	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	325204

292+00.00 UNCLASSIFIED

Common Exc	5332.35	12555	12555	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	337759

292+50.00 UNCLASSIFIED

Common Exc	4837.66	9417	9417	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	347176

293+00.00 UNCLASSIFIED

Common Exc	4301.91	8463	8463	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	355639

293+50.00 UNCLASSIFIED

Common Exc	3646.26	7359	7359	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	362998

294+00.00 UNCLASSIFIED

	Common Exc	2677.48	5855	5855	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	368853
294+50.00	UNCLASSIFIED					
	Common Exc	1754.23	4103	4103	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	268.55	249	249	1.00	372707
295+00.00	UNCLASSIFIED					
	Common Exc	1401.76	2922	2922	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	747.55	941	941	1.00	374688
295+50.00	UNCLASSIFIED					
	Common Exc	1241.72	2448	2448	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1359.82	1951	1951	1.00	375185
296+00.00	UNCLASSIFIED					
	Common Exc	1080.79	2150	2150	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1948.16	3063	3063	1.00	374272
296+50.00	UNCLASSIFIED					
	Common Exc	1038.10	1962	1962	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2442.02	4065	4065	1.00	372169
297+00.00	UNCLASSIFIED					
	Common Exc	994.80	1882	1882	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2846.81	4897	4897	1.00	369154
297+50.00	UNCLASSIFIED					
	Common Exc	1007.20	1854	1854	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3200.16	5599	5599	1.00	365409
298+00.00	UNCLASSIFIED					

ear_L_278-Beg Bridge

Common Exc	1049.45	1904	1904	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3430.16	6139	6139	1.00	361174

298+50.00 UNCLASSIFIED

Common Exc	1085.72	1977	1977	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3618.21	6526	6526	1.00	356625

299+00.00 UNCLASSIFIED

Common Exc	1171.87	2090	2090	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3609.14	6692	6692	1.00	352023

299+50.00 UNCLASSIFIED

Common Exc	1241.75	2235	2235	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3738.14	6803	6803	1.00	347455

300+00.00 UNCLASSIFIED

Common Exc	1261.87	2318	2318	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3944.03	7113	7113	1.00	342660

300+50.00 UNCLASSIFIED

Common Exc	1238.24	2315	2315	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4105.11	7453	7453	1.00	337522

301+00.00 UNCLASSIFIED

Common Exc	1175.22	2235	2235	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4088.56	7587	7587	1.00	332170

301+18.32 UNCLASSIFIED

Common Exc	1175.22	797	797	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4088.56	2774	2774	1.00	332170

G R A N D S U M M A R Y T O T A L S

Material Name	Unadjusted	Adjusted	Mult	

ear_L_278-Beg Bridge

	Volumes (cu. yd.)	Volumes (cu. yd.)	Factor
UNCLASSIFIED			
Common Exc	402271	402271	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	72078	72078	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-7.inp
Output File: ear_L_End Bridge-332.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17  lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_2, Scratch_Level_3
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Prop XS Earthwork Shape
 1    25    25
 1    26    26            stratify shape color
 1    27    27
 1    28    28       Calculate only between excavation limits
 1    29    29
 1    30    30       process earthwork for baseline = L
 1    31    31       job number = RDY
 1    32    32       beg station = 302+44.58 R 1
 1    33    33       end station = 332+00.00 R 1
 0     0    34 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
302+44.58	UNCLASSIFIED					

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6594.95	0	0	1.00	0

302+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6594.95	1348	1348	1.00	0

303+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7909.97	13430	13430	1.00	-13430

303+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8839.47	15509	15509	1.00	-28939

304+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9532.84	17011	17011	1.00	-45950

304+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9732.00	17838	17838	1.00	-63788

305+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9716.07	18007	18007	1.00	-81795

305+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9829.46	18098	18098	1.00	-99893

306+00.00 UNCLASSIFIED

ear_L_End Bridge-332

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9483.97	17883	17883	1.00	-117776

306+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8712.04	16848	16848	1.00	-134624

307+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7799.47	15288	15288	1.00	-149912

307+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6807.40	13525	13525	1.00	-163437

308+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6119.04	11969	11969	1.00	-175406

308+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5445.64	10708	10708	1.00	-186114

309+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4883.96	9564	9564	1.00	-195678

309+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4724.88	8897	8897	1.00	-204575

310+00.00 UNCLASSIFIED

ear_L_End Bridge-332

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4336.91	8391	8391	1.00	-212966

310+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3886.49	7614	7614	1.00	-220580

311+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3170.62	6534	6534	1.00	-227114

311+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3698.04	6360	6360	1.00	-233474

312+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4299.02	7405	7405	1.00	-240879

312+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3894.34	7586	7586	1.00	-248465

313+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3709.22	7040	7040	1.00	-255505

313+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3588.28	6757	6757	1.00	-262262

314+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3856.87	6894	6894	1.00	-269156

314+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3877.56	7162	7162	1.00	-276318

315+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3816.05	7124	7124	1.00	-283442

315+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3785.23	7038	7038	1.00	-290480

316+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3729.28	6958	6958	1.00	-297438

316+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3744.68	6920	6920	1.00	-304358

317+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3709.07	6902	6902	1.00	-311260

317+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3600.36	6768	6768	1.00	-318028

318+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3380.63	6464	6464	1.00	-324492

318+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3148.87	6046	6046	1.00	-330538

319+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2859.24	5563	5563	1.00	-336101

319+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2586.60	5042	5042	1.00	-341143

320+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2438.08	4652	4652	1.00	-345795

320+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2234.16	4326	4326	1.00	-350121

321+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2113.15	4025	4025	1.00	-354146

321+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2153.28	3950	3950	1.00	-358096

322+00.00 UNCLASSIFIED

	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2130.20	3966	3966	1.00	-362062
322+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1853.86	3689	3689	1.00	-365751
323+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1413.89	3026	3026	1.00	-368777
323+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1060.68	2291	2291	1.00	-371068
324+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	672.92	1605	1605	1.00	-372673
324+50.00	UNCLASSIFIED					
	Common Exc	4.11	4	4	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	240.91	846	846	1.00	-373515
325+00.00	UNCLASSIFIED					
	Common Exc	172.57	164	164	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	30.80	252	252	1.00	-373603
325+50.00	UNCLASSIFIED					
	Common Exc	892.63	986	986	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	29	29	1.00	-372646
326+00.00	UNCLASSIFIED					

ear_L_End Bridge-332

Common Exc	1475.47	2193	2193	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-370453

326+50.00 UNCLASSIFIED

Common Exc	2395.60	3584	3584	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-366869

327+00.00 UNCLASSIFIED

Common Exc	3311.80	5285	5285	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-361584

327+50.00 UNCLASSIFIED

Common Exc	4348.27	7093	7093	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-354491

328+00.00 UNCLASSIFIED

Common Exc	5372.14	9000	9000	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-345491

328+50.00 UNCLASSIFIED

Common Exc	6285.16	10794	10794	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-334697

329+00.00 UNCLASSIFIED

Common Exc	7015.67	12316	12316	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-322381

329+50.00 UNCLASSIFIED

Common Exc	7669.99	13598	13598	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-308783

330+00.00 UNCLASSIFIED

ear_L_End Bridge-332

Common Exc	8036.44	14543	14543	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-294240

330+50.00 UNCLASSIFIED

Common Exc	8103.03	14944	14944	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-279296

331+00.00 UNCLASSIFIED

Common Exc	8146.77	15046	15046	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-264250

331+50.00 UNCLASSIFIED

Common Exc	7865.77	14826	14826	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-249424

332+00.00 UNCLASSIFIED

Common Exc	7488.47	14217	14217	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-235207

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
UNCLASSIFIED			
Common Exc	138593	138593	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	375148	375148	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_L-8.inp
Output File: ear_L_332-355.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Pattern 30, Pattern 32, Pattern 34, Pattern 36
 1    12    12
 1    13    13
 1    14    14       existing ground line
 1    15    15         soil type = unclassified
 1    16    16         type = line, line_string
 1    17    17         lvname = Old_Level_60
 1    18    18  lvname = Exist XS Ground Line
 1    19    19
 1    20    20       write earthwork shapes
 1    21    21          plot parameters
 1    22    22            lvname = Prop XS Earthwork Shape
 1    23    23
 1    24    24            stratify shape color
 1    25    25
 1    26    26       process earthwork for baseline = L
 1    27    27         job number = RDY
 1    28    28            beg station = 332+00 R 1
 1    29    29            end station = 355+00 R 1
 0     0    30 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
332+00.00	UNCLASSIFIED					
	Common Exc	7488.47	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0

332+50.00	UNCLASSIFIED					
	Common Exc	7105.87	13513	13513	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	13513
333+00.00	UNCLASSIFIED					
	Common Exc	6724.76	12806	12806	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	26319
333+50.00	UNCLASSIFIED					
	Common Exc	5938.17	11725	11725	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	38044
334+00.00	UNCLASSIFIED					
	Common Exc	6198.33	11238	11238	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	49282
334+50.00	UNCLASSIFIED					
	Common Exc	7127.41	12339	12339	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	61621
335+00.00	UNCLASSIFIED					
	Common Exc	7679.65	13710	13710	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	75331
335+50.00	UNCLASSIFIED					
	Common Exc	7916.73	14441	14441	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	89772
336+00.00	UNCLASSIFIED					
	Common Exc	8245.72	14965	14965	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	104737

336+50.00	UNCLASSIFIED					
	Common Exc	8672.73	15665	15665	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	120402
337+00.00	UNCLASSIFIED					
	Common Exc	8954.31	16321	16321	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	136723
337+50.00	UNCLASSIFIED					
	Common Exc	9199.78	16809	16809	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	153532
338+00.00	UNCLASSIFIED					
	Common Exc	9109.42	16953	16953	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	170485
338+50.00	UNCLASSIFIED					
	Common Exc	8910.13	16685	16685	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	187170
339+00.00	UNCLASSIFIED					
	Common Exc	8635.16	16246	16246	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	203416
339+50.00	UNCLASSIFIED					
	Common Exc	8294.26	15675	15675	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	219091
340+00.00	UNCLASSIFIED					
	Common Exc	7901.04	14996	14996	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	234087

340+50.00	UNCLASSIFIED					
	Common Exc	7402.09	14170	14170	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	248257
341+00.00	UNCLASSIFIED					
	Common Exc	6798.68	13149	13149	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	261406
341+50.00	UNCLASSIFIED					
	Common Exc	6148.13	11988	11988	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	273394
342+00.00	UNCLASSIFIED					
	Common Exc	5472.76	10760	10760	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	284154
342+50.00	UNCLASSIFIED					
	Common Exc	4880.63	9586	9586	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	293740
343+00.00	UNCLASSIFIED					
	Common Exc	4366.22	8562	8562	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	302302
343+50.00	UNCLASSIFIED					
	Common Exc	3893.13	7648	7648	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	309950
344+00.00	UNCLASSIFIED					
	Common Exc	3557.05	6898	6898	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	316848

344+50.00	UNCLASSIFIED					
	Common Exc	3212.83	6268	6268	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	323116
345+00.00	UNCLASSIFIED					
	Common Exc	2866.12	5629	5629	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	328745
345+50.00	UNCLASSIFIED					
	Common Exc	2479.67	4950	4950	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	333695
346+00.00	UNCLASSIFIED					
	Common Exc	1845.32	4005	4005	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	337700
346+50.00	UNCLASSIFIED					
	Common Exc	1438.20	3040	3040	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	99.19	92	92	1.00	340648
347+00.00	UNCLASSIFIED					
	Common Exc	1528.26	2747	2747	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	83.87	170	170	1.00	343225
347+50.00	UNCLASSIFIED					
	Common Exc	1517.06	2820	2820	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5.13	82	82	1.00	345963
348+00.00	UNCLASSIFIED					
	Common Exc	1436.66	2735	2735	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	5	5	1.00	348693

348+50.00	UNCLASSIFIED					
	Common Exc	1143.42	2389	2389	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	351082
349+00.00	UNCLASSIFIED					
	Common Exc	609.29	1623	1623	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	83.49	77	77	1.00	352628
349+50.00	UNCLASSIFIED					
	Common Exc	65.32	625	625	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	626.41	657	657	1.00	352596
350+00.00	UNCLASSIFIED					
	Common Exc	0.00	60	60	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2277.80	2689	2689	1.00	349967
350+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4274.54	6067	6067	1.00	343900
351+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6314.73	9805	9805	1.00	334095
351+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	8167.05	13409	13409	1.00	320686
352+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9491.18	16350	16350	1.00	304336

352+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10268.52	18296	18296	1.00	286040
353+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10159.40	18915	18915	1.00	267125
353+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9776.10	18459	18459	1.00	248666
354+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9086.37	17465	17465	1.00	231201
354+50.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	7484.68	15344	15344	1.00	215857
355+00.00 UNCLASSIFIED						
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5668.20	12179	12179	1.00	203678

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
UNCLASSIFIED				
	Common Exc	353739	353739	1.00
	Subgrade Exc	0	0	1.00
	Subsoil Exc	0	0	1.00
	Fill	150061	150061	1.00

```
Input  File: R:\Roadway\Xsc\EW_L-1.inp
Output File: ear_L1 .log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421C_RDY_xsc_L_355.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11            lvname = Old_Level_2, Scratch_Level_8, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Old_Level_10
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20          plot parameters
 1    21    21            lvname = Prop XS Earthwork Shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = L
 1    26    26       job number = RDY
 1    27    27       beg station = 355+00 R 1
 1    28    28       end station = 380+00 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
355+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5813.80	0	0	1.00	0
355+50.00	UNCLASSIFIED					

Common Exc	123.91	115	115	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	5383	5383	1.00	-5268

356+00.00 UNCLASSIFIED

Common Exc	25.09	138	138	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.53	12	12	1.00	-5142

356+50.00 UNCLASSIFIED

Common Exc	18.40	40	40	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	21.68	32	32	1.00	-5134

357+00.00 UNCLASSIFIED

Common Exc	10.44	27	27	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	16.56	35	35	1.00	-5142

357+50.00 UNCLASSIFIED

Common Exc	17.78	26	26	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.96	25	25	1.00	-5141

358+00.00 UNCLASSIFIED

Common Exc	22.74	38	38	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.50	20	20	1.00	-5123

358+50.00 UNCLASSIFIED

Common Exc	14.49	34	34	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.38	32	32	1.00	-5121

359+00.00 UNCLASSIFIED

Common Exc	9.43	22	22	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	17.86	39	39	1.00	-5138

359+50.00 UNCLASSIFIED

Common Exc	5.95	14	14	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.83	35	35	1.00	-5159

360+00.00 UNCLASSIFIED

Common Exc	4.37	10	10	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.73	40	40	1.00	-5189

360+50.00 UNCLASSIFIED

Common Exc	7.95	11	11	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	11.49	33	33	1.00	-5211

361+00.00 UNCLASSIFIED

Common Exc	1.25	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	41.87	49	49	1.00	-5251

361+50.00 UNCLASSIFIED

Common Exc	3.61	4	4	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.96	61	61	1.00	-5308

362+00.00 UNCLASSIFIED

Common Exc	2.55	6	6	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.55	47	47	1.00	-5349

362+50.00 UNCLASSIFIED

Common Exc	7.21	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	21.73	45	45	1.00	-5385

363+00.00 UNCLASSIFIED

Common Exc	6.08	12	12	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.80	46	46	1.00	-5419

363+50.00 UNCLASSIFIED

Common Exc	19.76	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	22.21	46	46	1.00	-5441

364+00.00 UNCLASSIFIED

Common Exc	23.50	40	40	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.81	40	40	1.00	-5441

364+50.00 UNCLASSIFIED

Common Exc	20.63	41	41	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.43	45	45	1.00	-5445

365+00.00 UNCLASSIFIED

Common Exc	36.18	53	53	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.02	37	37	1.00	-5429

365+50.00 UNCLASSIFIED

Common Exc	12.70	45	45	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	32.03	41	41	1.00	-5425

366+00.00 UNCLASSIFIED

Common Exc	31.39	41	41	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.33	32	32	1.00	-5416

366+50.00 UNCLASSIFIED

Common Exc	34.20	61	61	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.92	4	4	1.00	-5359

367+00.00 UNCLASSIFIED

Common Exc	31.55	61	61	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.46	7	7	1.00	-5305

367+50.00 UNCLASSIFIED

Common Exc	27.21	54	54	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.74	11	11	1.00	-5262

368+00.00 UNCLASSIFIED

Common Exc	36.62	59	59	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.60	11	11	1.00	-5214

368+50.00 UNCLASSIFIED

Common Exc	31.11	63	63	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.09	10	10	1.00	-5161

369+00.00 UNCLASSIFIED

Common Exc	72.23	96	96	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.89	7	7	1.00	-5072

369+50.00 UNCLASSIFIED

Common Exc	41.94	106	106	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8.07	10	10	1.00	-4976

370+00.00 UNCLASSIFIED

Common Exc	60.97	95	95	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.79	13	13	1.00	-4894

370+50.00 UNCLASSIFIED

Common Exc	71.66	123	123	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.52	10	10	1.00	-4781

371+00.00 UNCLASSIFIED

Common Exc	82.44	143	143	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.63	8	8	1.00	-4646

371+50.00 UNCLASSIFIED

Common Exc	69.42	141	141	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.55	8	8	1.00	-4513

372+00.00 UNCLASSIFIED

Common Exc	71.63	131	131	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.79	11	11	1.00	-4393

372+50.00 UNCLASSIFIED

Common Exc	64.19	126	126	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.71	7	7	1.00	-4274

373+00.00 UNCLASSIFIED

Common Exc	58.58	114	114	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.24	4	4	1.00	-4164

373+50.00 UNCLASSIFIED

Common Exc	60.95	111	111	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.92	7	7	1.00	-4060

374+00.00 UNCLASSIFIED

Common Exc	32.51	87	87	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7.59	12	12	1.00	-3985

374+50.00 UNCLASSIFIED

Common Exc	58.80	85	85	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.19	18	18	1.00	-3918

375+00.00 UNCLASSIFIED

Common Exc	82.36	131	131	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.40	29	29	1.00	-3816

375+50.00 UNCLASSIFIED

Common Exc	109.34	178	178	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.05	37	37	1.00	-3675

376+00.00 UNCLASSIFIED

Common Exc	128.19	220	220	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	21.30	38	38	1.00	-3493

376+50.00 UNCLASSIFIED

Common Exc	139.64	248	248	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	15.71	34	34	1.00	-3279

377+00.00 UNCLASSIFIED

Common Exc	170.80	287	287	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7.89	22	22	1.00	-3014

378+00.00 UNCLASSIFIED

Common Exc	237.06	755	755	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.34	17	17	1.00	-2276

378+50.00 UNCLASSIFIED

Common Exc	285.09	483	483	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	1	1	1.00	-1794

379+00.00 UNCLASSIFIED

Common Exc	323.29	563	563	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.46	0	0	1.00	-1231

379+50.00 UNCLASSIFIED

Common Exc	249.59	530	530	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.81	2	2	1.00	-703

380+00.00 UNCLASSIFIED

	ear_L_355-380				
Common Exc	218.73	434	434	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.43	4	4	1.00	-273

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
UNCLASSIFIED			
Common Exc	6244	6244	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	6517	6517	1.00

```
Input  File: R:\Roadway\Xsc\EW_L-2.inp
Output File: ear_L2 .log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421C_RDY_xsc_L_355.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11            lvname = Old_Level_2, Scratch_Level_8, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Old_Level_10
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20          plot parameters
 1    21    21            lvname = Prop XS Earthwork Shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = L
 1    26    26       job number = RDY
 1    27    27       beg station = 380+00 R 1
 1    28    28       end station = 410+00 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
380+00.00	UNCLASSIFIED					
	Common Exc	218.73	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2.43	0	0	1.00	0
380+50.00	UNCLASSIFIED					

Common Exc	190.10	379	379	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.86	3	3	1.00	376

381+00.00 UNCLASSIFIED

Common Exc	163.17	327	327	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.73	1	1	1.00	702

381+50.00 UNCLASSIFIED

Common Exc	164.53	303	303	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.25	2	2	1.00	1003

382+00.00 UNCLASSIFIED

Common Exc	119.18	263	263	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.33	3	3	1.00	1263

382+50.00 UNCLASSIFIED

Common Exc	98.17	201	201	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.18	5	5	1.00	1459

383+00.00 UNCLASSIFIED

Common Exc	62.13	148	148	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.75	8	8	1.00	1599

383+50.00 UNCLASSIFIED

Common Exc	21.97	78	78	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.97	8	8	1.00	1669

384+00.00 UNCLASSIFIED

Common Exc	13.35	33	33	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.49	12	12	1.00	1690

384+50.00 UNCLASSIFIED

Common Exc	21.12	32	32	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7.76	17	17	1.00	1705

385+00.00 UNCLASSIFIED

Common Exc	30.72	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.92	20	20	1.00	1733

385+50.00 UNCLASSIFIED

Common Exc	21.18	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.61	25	25	1.00	1756

386+00.00 UNCLASSIFIED

Common Exc	35.07	52	52	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.84	17	17	1.00	1791

386+50.00 UNCLASSIFIED

Common Exc	39.43	69	69	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.23	7	7	1.00	1853

387+00.00 UNCLASSIFIED

Common Exc	47.01	80	80	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.38	4	4	1.00	1929

387+50.00 UNCLASSIFIED

Common Exc	54.86	94	94	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.12	4	4	1.00	2019

388+00.00 UNCLASSIFIED

Common Exc	50.94	98	98	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.43	5	5	1.00	2112

388+50.00 UNCLASSIFIED

Common Exc	49.37	93	93	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.67	4	4	1.00	2201

389+00.00 UNCLASSIFIED

Common Exc	55.16	97	97	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.65	3	3	1.00	2295

389+50.00 UNCLASSIFIED

Common Exc	60.04	107	107	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.11	3	3	1.00	2399

390+00.00 UNCLASSIFIED

Common Exc	88.82	138	138	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.22	2	2	1.00	2535

390+50.00 UNCLASSIFIED

Common Exc	129.58	202	202	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.04	0	0	1.00	2737

391+00.00 UNCLASSIFIED

Common Exc	324.85	421	421	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	3158

391+50.00 UNCLASSIFIED

Common Exc	490.44	755	755	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.85	4	4	1.00	3909

392+00.00 UNCLASSIFIED

Common Exc	431.63	854	854	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	465.23	435	435	1.00	4328

392+50.00 UNCLASSIFIED

Common Exc	139.59	529	529	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	431	431	1.00	4426

393+00.00 UNCLASSIFIED

Common Exc	150.93	269	269	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	4695

393+50.00 UNCLASSIFIED

Common Exc	194.56	320	320	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.36	0	0	1.00	5015

394+00.00 UNCLASSIFIED

Common Exc	250.07	412	412	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	5427

394+50.00 UNCLASSIFIED

Common Exc	253.27	466	466	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	5893

395+00.00 UNCLASSIFIED

Common Exc	265.57	480	480	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6373

395+50.00 UNCLASSIFIED

Common Exc	384.68	602	602	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6975

396+00.00 UNCLASSIFIED

Common Exc	340.49	671	671	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	7646

396+50.00 UNCLASSIFIED

Common Exc	282.87	577	577	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	8223

397+00.00 UNCLASSIFIED

Common Exc	207.15	454	454	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.26	0	0	1.00	8677

397+50.00 UNCLASSIFIED

Common Exc	215.58	391	391	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.66	5	5	1.00	9063

398+00.00 UNCLASSIFIED

Common Exc	191.67	377	377	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.60	10	10	1.00	9430

398+50.00 UNCLASSIFIED

Common Exc	158.45	324	324	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	4	4	1.00	9750

399+00.00 UNCLASSIFIED

Common Exc	129.91	267	267	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.93	5	5	1.00	10012

399+50.00 UNCLASSIFIED

Common Exc	106.19	219	219	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9.50	13	13	1.00	10218

400+00.00 UNCLASSIFIED

Common Exc	81.70	174	174	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.31	15	15	1.00	10377

400+50.00 UNCLASSIFIED

Common Exc	43.35	116	116	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.36	9	9	1.00	10484

401+00.00 UNCLASSIFIED

Common Exc	34.60	72	72	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.02	6	6	1.00	10550

401+50.00 UNCLASSIFIED

Common Exc	78.39	105	105	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.17	7	7	1.00	10648

402+00.00 UNCLASSIFIED

Common Exc	46.18	115	115	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.72	22	22	1.00	10741

402+50.00 UNCLASSIFIED

Common Exc	85.58	122	122	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9.71	27	27	1.00	10836

403+00.00 UNCLASSIFIED

Common Exc	168.22	235	235	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.87	21	21	1.00	11050

403+50.00 UNCLASSIFIED

Common Exc	513.71	631	631	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.74	25	25	1.00	11656

404+00.00 UNCLASSIFIED

Common Exc	43.68	516	516	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.59	15	15	1.00	12157

404+50.00 UNCLASSIFIED

Common Exc	39.76	77	77	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.92	7	7	1.00	12227

405+00.00 UNCLASSIFIED

Common Exc	44.73	78	78	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.67	7	7	1.00	12298

405+50.00 UNCLASSIFIED

Common Exc	35.76	75	75	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.16	4	4	1.00	12369

406+00.00 UNCLASSIFIED

Common Exc	34.90	65	65	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.15	3	3	1.00	12431

406+50.00 UNCLASSIFIED

Common Exc	74.77	102	102	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.38	3	3	1.00	12530

407+00.00 UNCLASSIFIED

Common Exc	41.21	107	107	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.66	2	2	1.00	12635

407+50.00 UNCLASSIFIED

Common Exc	45.80	81	81	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.38	1	1	1.00	12715

408+00.00 UNCLASSIFIED

Common Exc	60.49	98	98	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.02	0	0	1.00	12813

408+50.00 UNCLASSIFIED

ear_L_380-410

Common Exc	74.40	125	125	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	12938

409+00.00 UNCLASSIFIED

Common Exc	59.93	124	124	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.07	0	0	1.00	13062

409+50.00 UNCLASSIFIED

Common Exc	49.96	102	102	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.65	1	1	1.00	13163

410+00.00 UNCLASSIFIED

Common Exc	58.79	101	101	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	1	1	1.00	13263

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
UNCLASSIFIED			
Common Exc	14499	14499	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	1236	1236	1.00

```
Input  File: R:\Roadway\Xsc\EW_L-3.inp
Output File: ear_L3 .log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421C_RDY_xsc_L_355.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11            lvname = Old_Level_2, Scratch_Level_8, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Old_Level_10
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20          plot parameters
 1    21    21            lvname = Prop XS Earthwork Shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = L
 1    26    26       job number = RDY
 1    27    27       beg station = 410+00 R 1
 1    28    28       end station = 415+00 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
410+00.00	UNCLASSIFIED					
	Common Exc	58.79	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0
410+50.00	UNCLASSIFIED					

Common Exc	36.12	88	88	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	88

411+00.00 UNCLASSIFIED

Common Exc	37.27	68	68	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	156

411+50.00 UNCLASSIFIED

Common Exc	37.08	69	69	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.24	0	0	1.00	225

412+00.00 UNCLASSIFIED

Common Exc	26.84	59	59	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.06	0	0	1.00	284

412+50.00 UNCLASSIFIED

Common Exc	31.37	54	54	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.61	1	1	1.00	337

413+00.00 UNCLASSIFIED

Common Exc	28.57	56	56	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.80	4	4	1.00	389

413+50.00 UNCLASSIFIED

Common Exc	13.58	39	39	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.53	8	8	1.00	420

414+00.00 UNCLASSIFIED

Common Exc	13.58	25	25	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.53	8	8	1.00	420

G R A N D S U M M A R Y T O T A L S

Material Name	Unadjusted	Adjusted	Mult	

ear_L_410-414

		Volumes (cu. yd.)	Volumes (cu. yd.)	Factor
UNCLASSIFIED				
Common	Exc	458	458	1.00
Subgrade	Exc	0	0	1.00
Subsoil	Exc	0	0	1.00
Fill		21	21	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_RAMP-A.inp
Output File: ear_RAMPA.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Pattern
40, Prop XS Subgrade Earthwork
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17  lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_5, Scratch_Level_2
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Pattern 5
 1    25    25            co = bylevel
 1    26    26
 1    27    27       Calculate only between excavation limits
 1    28    28
 1    29    29       process earthwork for baseline = L
 1    30    30       job number = RDY
 1    31    31       beg station = 302+50 R 1
 1    32    32       end station = 311+00 R 1
 0     0    33 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
301+35.42	UNCLASSIFIED					
	Common Exc	562.07	0	0	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	0
302+50.00 UNCLASSIFIED					
Common Exc	562.07	2385	2385	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	0
303+00.00 UNCLASSIFIED					
Common Exc	915.96	1369	1369	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1369
303+50.00 UNCLASSIFIED					
Common Exc	428.68	1245	1245	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	2614
304+00.00 UNCLASSIFIED					
Common Exc	92.34	482	482	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	73.33	68	68	1.00	3028
304+50.00 UNCLASSIFIED					
Common Exc	0.00	86	86	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	470.71	504	504	1.00	2610
305+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1263.14	1605	1605	1.00	1005
305+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1875.67	2906	2906	1.00	-1901
306+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2368.79	3930	3930	1.00	-5831
306+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2414.83	4429	4429	1.00	-10260
307+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2206.80	4279	4279	1.00	-14539
307+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1996.65	3892	3892	1.00	-18431
308+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1932.10	3638	3638	1.00	-22069
308+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1716.11	3378	3378	1.00	-25447
309+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1519.58	2996	2996	1.00	-28443
309+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1273.64	2586	2586	1.00	-31029
310+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	

ear_RAMPA

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1179.93	2272	2272	1.00	-33301

310+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1241.20	2242	2242	1.00	-35543

311+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1224.52	2283	2283	1.00	-37826

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
UNCLASSIFIED			
Common Exc	5567	5567	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	41008	41008	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_RAMP-B.inp
Output File: ear_RAMPB.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Pattern
40, Prop XS Subgrade Earthwork
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17  lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_5, Scratch_Level_2
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Pattern 5
 1    25    25
 1    26    26       Calculate only between excavation limits
 1    27    27
 1    28    28       process earthwork for baseline = L
 1    29    29       job number = RDY
 1    30    30       beg station = 291+00 R 1
 1    31    31       end station = 301+50 R 1
 0     0    32 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
291+00.00	UNCLASSIFIED					
	Common Exc	6695.63	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	

	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0
291+50.00	UNCLASSIFIED					
	Common Exc	6160.78	11904	11904	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	11904
292+00.00	UNCLASSIFIED					
	Common Exc	5620.50	10909	10909	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	22813
292+50.00	UNCLASSIFIED					
	Common Exc	5223.76	10041	10041	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	32854
293+00.00	UNCLASSIFIED					
	Common Exc	4959.83	9429	9429	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	42283
293+50.00	UNCLASSIFIED					
	Common Exc	4691.77	8937	8937	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	51220
294+00.00	UNCLASSIFIED					
	Common Exc	4613.06	8616	8616	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	59836
294+50.00	UNCLASSIFIED					
	Common Exc	2375.63	6471	6471	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	66307
295+00.00	UNCLASSIFIED					
	Common Exc	4627.40	6484	6484	1.00	
	Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	72791

295+50.00 UNCLASSIFIED

Common Exc	4514.03	8464	8464	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	81255

296+00.00 UNCLASSIFIED

Common Exc	4252.18	8117	8117	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	89372

296+50.00 UNCLASSIFIED

Common Exc	3767.70	7426	7426	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	96798

297+00.00 UNCLASSIFIED

Common Exc	3598.26	6820	6820	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	103618

297+50.00 UNCLASSIFIED

Common Exc	3474.94	6549	6549	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	110167

298+00.00 UNCLASSIFIED

Common Exc	3737.80	6678	6678	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	116845

298+50.00 UNCLASSIFIED

Common Exc	3514.96	6716	6716	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	123561

299+00.00 UNCLASSIFIED

Common Exc	3343.34	6350	6350	1.00	
Subgrade Exc	0.00	0	0	1.00	

ear_RAMPB

Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	129911

299+50.00 UNCLASSIFIED

Common Exc	3229.16	6086	6086	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	135997

300+00.00 UNCLASSIFIED

Common Exc	3083.05	5845	5845	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	141842

300+50.00 UNCLASSIFIED

Common Exc	3005.48	5638	5638	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	147480

301+00.00 UNCLASSIFIED

Common Exc	2816.70	5391	5391	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	152871

301+50.00 UNCLASSIFIED

Common Exc	1447.49	3948	3948	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	156819

301+63.47 UNCLASSIFIED

Common Exc	1447.49	722	722	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	156819

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
UNCLASSIFIED			
Common Exc	157541	157541	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	0	0	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_RAMP-C.inp
Output File: ear_RAMPC.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Pattern
40, Prop XS Subgrade Earthwork
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17  lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_3, Scratch_Level_6
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Pattern 5
 1    25    25
 1    26    26       Calculate only between excavation limits
 1    27    27
 1    28    28       process earthwork for baseline = L
 1    29    29       job number = RDY
 1    30    30       beg station = 292+00 R 1
 1    31    31       end station = 301+00 R 1
 0     0    32 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
292+00.00	UNCLASSIFIED					
	Common Exc	2125.91	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	0

292+50.00 UNCLASSIFIED

Common Exc	1635.21	3483	3483	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	3483

293+00.00 UNCLASSIFIED

Common Exc	1205.01	2630	2630	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6113

293+50.00 UNCLASSIFIED

Common Exc	792.61	1850	1850	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	7963

294+00.00 UNCLASSIFIED

Common Exc	369.59	1076	1076	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	9039

294+50.00 UNCLASSIFIED

Common Exc	194.15	522	522	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	9561

295+00.00 UNCLASSIFIED

Common Exc	51.31	227	227	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	72.43	67	67	1.00	9721

295+50.00 UNCLASSIFIED

Common Exc	0.00	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	288.46	334	334	1.00	9435

296+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

	Subsoil Exc	0.00	0	0	1.00	
	Fill	449.62	683	683	1.00	8752
296+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	522.93	901	901	1.00	7851
297+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	586.74	1027	1027	1.00	6824
297+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	540.07	1043	1043	1.00	5781
298+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	317.09	794	794	1.00	4987
298+50.00	UNCLASSIFIED					
	Common Exc	37.79	35	35	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	53.65	343	343	1.00	4679
299+00.00	UNCLASSIFIED					
	Common Exc	216.57	236	236	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	50	50	1.00	4865
299+50.00	UNCLASSIFIED					
	Common Exc	189.35	376	376	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	43.88	41	41	1.00	5200
300+00.00	UNCLASSIFIED					
	Common Exc	112.26	279	279	1.00	
	Subgrade Exc	0.00	0	0	1.00	

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Subsoil Exc	0.00	0	0	1.00	
Fill	152.50	182	182	1.00	5297

300+50.00 UNCLASSIFIED

Common Exc	81.23	179	179	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	352.85	468	468	1.00	5008

301+00.00 UNCLASSIFIED

Common Exc	23.24	97	97	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	168.22	482	482	1.00	4623

301+63.47 UNCLASSIFIED

Common Exc	23.24	55	55	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	168.22	395	395	1.00	4623

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
UNCLASSIFIED			
Common Exc	11093	11093	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	6810	6810	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_RAMP-D.inp
Output File: ear_RAMPD.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Old_Level_2, Old_Level_3, Scratch_Level_8, Prop XS
Finish Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Pattern
40, Prop XS Subgrade Earthwork
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17  lvname = Exist XS Ground Line
 1    18    18
 1    19    19       Excavation Limits
 1    20    20         lvname = Scratch_Level_3, Scratch_Level_6
 1    21    21
 1    22    22       write earthwork shapes
 1    23    23          plot parameters
 1    24    24            lvname = Pattern 5
 1    25    25            co = bylevel
 1    26    26
 1    27    27       Calculate only between excavation limits
 1    28    28
 1    29    29       process earthwork for baseline = L
 1    30    30       job number = RDY
 1    31    31       beg station = 302+50 R 1
 1    32    32       end station = 311+50 R 1
 0     0    33 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
301+54.93	UNCLASSIFIED					
	Common Exc	50.92	0	0	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.79	0	0	1.00	0
302+50.00 UNCLASSIFIED					
Common Exc	50.92	179	179	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.79	84	84	1.00	0
303+00.00 UNCLASSIFIED					
Common Exc	7.07	54	54	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	148.43	159	159	1.00	-105
303+50.00 UNCLASSIFIED					
Common Exc	0.00	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	324.21	438	438	1.00	-536
304+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	509.33	772	772	1.00	-1308
304+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	738.28	1155	1155	1.00	-2463
305+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	991.83	1602	1602	1.00	-4065
305+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1151.19	1984	1984	1.00	-6049
306+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	

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Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1343.52	2310	2310	1.00	-8359
306+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1512.85	2645	2645	1.00	-11004
307+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1597.03	2880	2880	1.00	-13884
307+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1553.09	2917	2917	1.00	-16801
308+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1547.04	2870	2870	1.00	-19671
308+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1578.09	2894	2894	1.00	-22565
309+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1690.38	3026	3026	1.00	-25591
309+50.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1586.05	3034	3034	1.00	-28625
310+00.00 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	

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Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1589.72	2941	2941	1.00	-31566

310+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1541.21	2899	2899	1.00	-34465

311+00.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1432.64	2754	2754	1.00	-37219

311+50.00 UNCLASSIFIED

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1262.84	2496	2496	1.00	-39715

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
UNCLASSIFIED			
Common Exc	240	240	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	39860	39860	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_SR1.inp
Output File: ear_sr1.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_SR1.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_20, Old_Level_2, Old_Level_3, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Prop XS
Subgrade Earthwork, Prop XS Pvmt Edge Slope
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = SR1
 1    26    26       job number = RDY
 1    27    27       beg station = 34+98.95 R 1
 1    28    28       end station = 49+00 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = SR1
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```


Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
34+98.95	UNCLASSIFIED					
	Common Exc	2752.30	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0

35+00.00	UNCLASSIFIED					
	Common Exc	2752.30	107	107	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0
35+50.00	UNCLASSIFIED					
	Common Exc	2145.67	4535	4535	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	4535
36+00.00	UNCLASSIFIED					
	Common Exc	2506.87	4308	4308	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	8843
36+50.00	UNCLASSIFIED					
	Common Exc	2976.64	5077	5077	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	13920
37+00.00	UNCLASSIFIED					
	Common Exc	2765.16	5316	5316	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	19236
37+50.00	UNCLASSIFIED					
	Common Exc	3035.00	5371	5371	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	24607
38+00.00	UNCLASSIFIED					
	Common Exc	3257.56	5826	5826	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	30433
38+50.00	UNCLASSIFIED					
	Common Exc	3069.48	5858	5858	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	36291

39+00.00	UNCLASSIFIED					
	Common Exc	2761.78	5399	5399	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	41690
39+50.00	UNCLASSIFIED					
	Common Exc	2321.98	4707	4707	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	46397
40+00.00	UNCLASSIFIED					
	Common Exc	1514.11	3552	3552	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	49949
40+50.00	UNCLASSIFIED					
	Common Exc	888.02	2224	2224	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.31	0	0	1.00	52173
41+00.00	UNCLASSIFIED					
	Common Exc	307.38	1107	1107	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	69.62	65	65	1.00	53215
41+50.00	UNCLASSIFIED					
	Common Exc	165.60	438	438	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	343.07	382	382	1.00	53271
42+00.00	UNCLASSIFIED					
	Common Exc	460.77	580	580	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	866.95	1120	1120	1.00	52731
42+50.00	UNCLASSIFIED					
	Common Exc	472.57	864	864	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1698.74	2376	2376	1.00	51219

43+00.00	UNCLASSIFIED					
	Common Exc	482.31	884	884	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	966.33	2468	2468	1.00	49635
43+50.00	UNCLASSIFIED					
	Common Exc	130.79	568	568	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	607.27	1457	1457	1.00	48746
44+00.00	UNCLASSIFIED					
	Common Exc	9.27	130	130	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	74.40	631	631	1.00	48245
44+50.00	UNCLASSIFIED					
	Common Exc	371.72	353	353	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	49.65	115	115	1.00	48483
45+00.00	UNCLASSIFIED					
	Common Exc	607.03	906	906	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	28.70	73	73	1.00	49316
45+50.00	UNCLASSIFIED					
	Common Exc	555.36	1076	1076	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15.79	41	41	1.00	50351
46+00.00	UNCLASSIFIED					
	Common Exc	257.48	753	753	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13.00	27	27	1.00	51077
46+50.00	UNCLASSIFIED					
	Common Exc	124.66	354	354	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	11.36	23	23	1.00	51408

ear_sr1

47+00.00 UNCLASSIFIED						
	Common Exc	159.34	263	263	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4.63	15	15	1.00	51656
47+50.00 UNCLASSIFIED						
	Common Exc	178.61	313	313	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.81	5	5	1.00	51964
48+00.00 UNCLASSIFIED						
	Common Exc	13.41	178	178	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.95	2	2	1.00	52140
48+50.00 UNCLASSIFIED						
	Common Exc	20.71	32	32	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	30.81	29	29	1.00	52143
49+00.00 UNCLASSIFIED						
	Common Exc	2.99	22	22	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.23	29	29	1.00	52136

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
UNCLASSIFIED			
Common Exc	61101	61101	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	8858	8858	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_SR1_on_L.inp
Output File: EW_SR1_L.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_L.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11         lvname = Prop XS Finish Grade Earthwork, Prop XS Subgrade
Earthwork, Scratch_Level_9, Prop XS Finish Grade Earthwork, Prop XS Finish Grade
Pavement, Prop XS Finish Grade
 1    12    12
 1    13    13
 1    14    14       existing ground line
 1    15    15         soil type = unclassified
 1    16    16         type = line, line_string
 1    17    17         lvname = Old_Level_60
 1    18    18         lvname = Exist XS Ground Line
 1    19    19
 1    20    20       Excavation Limits
 1    21    21         lvname = Scratch_Level_4, Scratch_Level_2
 1    22    22
 1    23    23       write earthwork shapes
 1    24    24         plot parameters
 1    25    25            lvname = Pattern 5
 1    26    26            co = 5
 1    27    27            stratify shape color
 1    28    28
 1    29    29       Calculate only between excavation limits
 1    30    30
 1    31    31       process earthwork for baseline = L
 1    32    32         job number = RDY
 1    33    33         beg station = 142+50 R 1
 1    34    34         end station = 158+00 R 1
 1    35    35
 1    36    36       process earthwork for baseline = L
 1    37    37         job number = RDY
 1    38    38         beg station = 158+00 R 1
 1    39    39         end station = 160+50 R 1
 1    40    40
 0     0    41 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
```

BEGINNING EARTHWORKS COMPUTATION

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
142+50.00	UNCLASSIFIED					
	Common Exc	244.91	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9.77	0	0	1.00	0
143+00.00	UNCLASSIFIED					
	Common Exc	758.82	929	929	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	9	9	1.00	920
143+50.00	UNCLASSIFIED					
	Common Exc	1238.65	1850	1850	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	2770
144+00.00	UNCLASSIFIED					
	Common Exc	1372.57	2418	2418	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	5188
144+50.00	UNCLASSIFIED					
	Common Exc	1302.53	2477	2477	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	7665
145+00.00	UNCLASSIFIED					
	Common Exc	1196.30	2314	2314	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	9979
145+50.00	UNCLASSIFIED					
	Common Exc	1279.94	2293	2293	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	9979

146+00.00	UNCLASSIFIED					
	Common Exc	1323.20	2410	2410	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	9979
146+50.00	UNCLASSIFIED					
	Common Exc	1028.03	2177	2177	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	16158
147+00.00	UNCLASSIFIED					
	Common Exc	768.93	1664	1664	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	17822
147+50.00	UNCLASSIFIED					
	Common Exc	134.71	837	837	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	18659
148+00.00	UNCLASSIFIED					
	Common Exc	0.00	125	125	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	932.64	864	864	1.00	17920
148+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2877.24	3528	3528	1.00	14392
149+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4026.93	6393	6393	1.00	7999
149+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3981.40	7415	7415	1.00	584

150+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4115.46	7497	7497	1.00	-6913
150+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4091.90	7599	7599	1.00	-14512
151+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3060.35	6622	6622	1.00	-21134
151+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1696.32	4404	4404	1.00	-25538
152+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	813.88	2324	2324	1.00	-27862
152+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	371.16	1097	1097	1.00	-28959
153+00.00	UNCLASSIFIED					
	Common Exc	87.44	81	81	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17.00	359	359	1.00	-29237
153+50.00	UNCLASSIFIED					
	Common Exc	1065.11	1067	1067	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	16	16	1.00	-28186

154+00.00	UNCLASSIFIED					
	Common Exc	2334.56	3148	3148	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-25038
154+50.00	UNCLASSIFIED					
	Common Exc	3461.60	5367	5367	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-19671
155+00.00	UNCLASSIFIED					
	Common Exc	4299.49	7186	7186	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-12485
155+50.00	UNCLASSIFIED					
	Common Exc	4929.89	8546	8546	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-3939
156+00.00	UNCLASSIFIED					
	Common Exc	5761.60	9900	9900	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	5961
156+50.00	UNCLASSIFIED					
	Common Exc	7005.69	11822	11822	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	17783
157+00.00	UNCLASSIFIED					
	Common Exc	8158.21	14041	14041	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	31824
157+50.00	UNCLASSIFIED					
	Common Exc	9657.47	16496	16496	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	48320

158+00.00	UNCLASSIFIED					
	Common Exc	10969.85	19099	19099	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	67419
158+50.00	UNCLASSIFIED					
	Common Exc	11161.34	20495	20495	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	20492
159+00.00	UNCLASSIFIED					
	Common Exc	9127.92	18786	18786	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	39278
159+50.00	UNCLASSIFIED					
	Common Exc	4983.60	13066	13066	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	52344
160+00.00	UNCLASSIFIED					
	Common Exc	2362.28	6802	6802	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	59146
160+50.00	UNCLASSIFIED					
	Common Exc	3015.10	4979	4979	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	64125

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
UNCLASSIFIED			
Common Exc	180375	180375	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	48127	48127	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_SR1REV.inp
Output File: ear_SR1REV.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_SR1REV.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_20, Old_Level_2, Old_Level_3, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Pvmt Edge Slope, Prop XS
Finish Grade, Prop XS Subgrade Earthwork
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Exist XS Ground Line
 1    17    17       lvname = Old_Level_60
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = SR1REV
 1    26    26       job number = RDY
 1    27    27       beg station = 10+12.16 R 1
 1    28    28       end station = 17+53.73 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = SR1REV
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
10+12.16	UNCLASSIFIED					
	Common Exc	343.04	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0

10+50.00	UNCLASSIFIED					
	Common Exc	343.04	481	481	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0
11+00.00	UNCLASSIFIED					
	Common Exc	562.30	838	838	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	838
11+50.00	UNCLASSIFIED					
	Common Exc	360.50	854	854	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	1692
12+00.00	UNCLASSIFIED					
	Common Exc	25.93	358	358	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	12.87	12	12	1.00	2038
12+50.00	UNCLASSIFIED					
	Common Exc	0.00	24	24	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	301.87	291	291	1.00	1771
13+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1283.33	1468	1468	1.00	303
13+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1304.28	2396	2396	1.00	-2093
14+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1248.28	2363	2363	1.00	-4456

14+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	485.25	1605	1605	1.00	-6061
15+00.00	UNCLASSIFIED					
	Common Exc	254.13	235	235	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15.56	464	464	1.00	-6290
15+50.00	UNCLASSIFIED					
	Common Exc	727.99	909	909	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	14	14	1.00	-5395
16+00.00	UNCLASSIFIED					
	Common Exc	1199.47	1785	1785	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-3610
16+50.00	UNCLASSIFIED					
	Common Exc	1346.12	2357	2357	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-1253
17+00.00	UNCLASSIFIED					
	Common Exc	1309.89	2459	2459	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	1206
17+50.00	UNCLASSIFIED					
	Common Exc	1200.29	2324	2324	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	3530
17+53.73	UNCLASSIFIED					
	Common Exc	1200.29	166	166	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	3530

G R A N D S U M M A R Y T O T A L S

ear_SR1REV

Material Name	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor
UNCLASSIFIED			
Common Exc	12790	12790	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	8613	8613	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_SR6.inp
Output File: ear_sr6.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_SR6.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_20, Old_Level_2, Old_Level_3, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Pattern 40, Prop XS Finish Grade
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = SR6
 1    26    26       job number = RDY
 1    27    27       beg station = 10+00 R 1
 1    28    28       end station = 20+50 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = SR6
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
10+00.00	UNCLASSIFIED					
	Common Exc	85.54	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0
10+50.00	UNCLASSIFIED					

Common Exc	52.42	128	128	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	41.21	38	38	1.00	90
11+00.00 UNCLASSIFIED					
Common Exc	26.98	74	74	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	44.41	79	79	1.00	85
11+50.00 UNCLASSIFIED					
Common Exc	12.96	37	37	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	128.19	160	160	1.00	-38
12+00.00 UNCLASSIFIED					
Common Exc	3.58	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	242.53	343	343	1.00	-366
12+50.00 UNCLASSIFIED					
Common Exc	5.76	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	346.79	546	546	1.00	-903
13+00.00 UNCLASSIFIED					
Common Exc	4.69	10	10	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	396.51	688	688	1.00	-1581
13+50.00 UNCLASSIFIED					
Common Exc	7.50	11	11	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	392.23	730	730	1.00	-2300
14+00.00 UNCLASSIFIED					
Common Exc	9.60	16	16	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	315.28	655	655	1.00	-2939
14+50.00 UNCLASSIFIED					

	Common Exc	27.09	34	34	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	200.30	477	477	1.00	-3382
15+00.00	UNCLASSIFIED					
	Common Exc	69.34	89	89	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	93.80	272	272	1.00	-3565
15+50.00	UNCLASSIFIED					
	Common Exc	91.65	149	149	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	21.14	106	106	1.00	-3522
16+00.00	UNCLASSIFIED					
	Common Exc	68.56	148	148	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1.11	21	21	1.00	-3395
16+50.00	UNCLASSIFIED					
	Common Exc	27.83	89	89	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	105.64	99	99	1.00	-3405
17+00.00	UNCLASSIFIED					
	Common Exc	26.67	50	50	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	245.40	325	325	1.00	-3680
17+50.00	UNCLASSIFIED					
	Common Exc	39.07	61	61	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	503.13	693	693	1.00	-4312
18+00.00	UNCLASSIFIED					
	Common Exc	25.86	60	60	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	770.09	1179	1179	1.00	-5431
18+50.00	UNCLASSIFIED					

ear_sr6

Common Exc	21.59	44	44	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1049.11	1684	1684	1.00	-7071
19+00.00 UNCLASSIFIED					
Common Exc	26.92	45	45	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1132.73	2020	2020	1.00	-9046
19+50.00 UNCLASSIFIED					
Common Exc	32.39	55	55	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1168.25	2131	2131	1.00	-11122
20+00.00 UNCLASSIFIED					
Common Exc	18.88	47	47	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1248.65	2238	2238	1.00	-13313
20+50.00 UNCLASSIFIED					
Common Exc	0.00	17	17	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2310.14	3295	3295	1.00	-16591
20+70.07 UNCLASSIFIED					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2310.14	1717	1717	1.00	-16591

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
UNCLASSIFIED			
Common Exc	1188	1188	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	19496	19496	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y3.inp
Output File: EW_Y3.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y3.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement, Pattern 30
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25
 1    26    26
 1    27    27
 1    28    28
 1    29    29
 1    30    30       process earthwork for baseline = Y3
 1    31    31         job number = RDY
 1    32    32            beg station = 25+46.67 R 1
 1    33    33            end station = 29+30.00 R 1
 1    34    34
 0     0    35 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = Y3
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
25+46.67	UNCLASSIFIED					

Common Exc	1.24	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.21	0	0	1.00	0

25+50.00 UNCLASSIFIED

Common Exc	1.24	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.21	1	1	1.00	0

26+00.00 UNCLASSIFIED

Common Exc	305.26	284	284	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7.80	10	10	1.00	274

26+50.00 UNCLASSIFIED

Common Exc	139.65	412	412	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	7	7	1.00	679

27+00.00 UNCLASSIFIED

Common Exc	123.21	243	243	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	922

27+50.00 UNCLASSIFIED

Common Exc	88.43	196	196	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1118

28+00.00 UNCLASSIFIED

Common Exc	54.62	132	132	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.51	0	0	1.00	1250

28+50.00 UNCLASSIFIED

Common Exc	61.71	108	108	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1358

29+00.00 UNCLASSIFIED

ear_Y3 - End Bridge-29+30

Common Exc	5.09	62	62	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.59	1	1	1.00	1419

29+30.00 UNCLASSIFIED

Common Exc	5.09	6	6	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.59	1	1	1.00	1419

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
UNCLASSIFIED			
Common Exc	1444	1444	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	20	20	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y3.inp
Output File: EW_Y3.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y3.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement, Pattern 30
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = Y3
 1    26    26         job number = RDY
 1    27    27            beg station = 13+00.00 R 1
 1    28    28            end station = 23+16.67 R 1
 1    29    29
 1    30    30
 1    31    31
 1    32    32
 1    33    33
 1    34    34
 0     0    35 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = Y3
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
13+00.00	UNCLASSIFIED					

Common Exc	0.08	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.24	0	0	1.00	0
13+50.00 UNCLASSIFIED					
Common Exc	23.51	22	22	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.01	0	0	1.00	22
14+00.00 UNCLASSIFIED					
Common Exc	33.21	53	53	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	75
14+50.00 UNCLASSIFIED					
Common Exc	53.76	81	81	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.07	0	0	1.00	156
15+00.00 UNCLASSIFIED					
Common Exc	79.02	123	123	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.32	0	0	1.00	279
15+50.00 UNCLASSIFIED					
Common Exc	50.45	120	120	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.91	1	1	1.00	398
16+00.00 UNCLASSIFIED					
Common Exc	32.48	77	77	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.29	2	2	1.00	473
16+50.00 UNCLASSIFIED					
Common Exc	30.86	59	59	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	22.39	22	22	1.00	510
17+00.00 UNCLASSIFIED					

Common Exc	37.69	63	63	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	17.37	37	37	1.00	536

17+50.00 UNCLASSIFIED

Common Exc	58.16	89	89	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.55	42	42	1.00	583

18+00.00 UNCLASSIFIED

Common Exc	28.83	81	81	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	18.62	43	43	1.00	621

18+50.00 UNCLASSIFIED

Common Exc	27.63	52	52	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.41	27	27	1.00	646

19+00.00 UNCLASSIFIED

Common Exc	50.94	73	73	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.14	14	14	1.00	705

19+50.00 UNCLASSIFIED

Common Exc	79.18	120	120	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	5	5	1.00	820

20+00.00 UNCLASSIFIED

Common Exc	80.70	148	148	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	968

20+50.00 UNCLASSIFIED

Common Exc	147.31	211	211	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1179

21+00.00 UNCLASSIFIED

ear_Y3_13+00-Beg Bridge

Common Exc	118.20	246	246	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1179

21+50.00 UNCLASSIFIED

Common Exc	109.49	211	211	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1179

22+00.00 UNCLASSIFIED

Common Exc	9.41	110	110	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	79.55	147	147	1.00	1179

22+50.00 UNCLASSIFIED

Common Exc	18.07	25	25	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.14	96	96	1.00	1703

23+00.00 UNCLASSIFIED

Common Exc	12.89	29	29	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.22	28	28	1.00	1704

23+16.67 UNCLASSIFIED

Common Exc	12.89	8	8	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.22	4	4	1.00	1704

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
UNCLASSIFIED			
Common Exc	2001	2001	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	468	468	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y4.inp
Output File: EW_Y4.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y4.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = Y4
 1    26    26       job number = RDY
 1    27    27       beg station = 10+00 R 1
 1    28    28       end station = 13+00 R 1

COMPUTING EARTHWORKS FOR BASELINE = Y4
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
9+75.26	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1434.23	0	0	1.00	0
10+00.00	UNCLASSIFIED					

ear_Y4_9+75.26-13+00

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1434.23	744	744	1.00	0

10+50.00 UNCLASSIFIED

Common Exc	40.23	37	37	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	419.46	1716	1716	1.00	-1679

11+00.00 UNCLASSIFIED

Common Exc	182.32	206	206	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	88.62	470	470	1.00	-1943

11+50.00 UNCLASSIFIED

Common Exc	367.65	509	509	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	40.44	120	120	1.00	-1554

12+00.00 UNCLASSIFIED

Common Exc	179.85	507	507	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.76	59	59	1.00	-1106

12+50.00 UNCLASSIFIED

Common Exc	6.48	173	173	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.30	24	24	1.00	-957

13+00.00 UNCLASSIFIED

Common Exc	6.48	12	12	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.30	4	4	1.00	-957

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

UNCLASSIFIED

Common	Exc	1444	1444	1.00
Subgrade	Exc	0	0	1.00
Subsoil	Exc	0	0	1.00
Fill		3137	3137	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y4.inp
Output File: EW_Y4.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y4.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color

 1    30    30       process earthwork for baseline = Y4
 1    31    31       job number = RDY
 1    32    32       beg station = 17+50 R 1
 1    33    33       end station = 18+00 R 1


COMPUTING EARTHWORKS FOR BASELINE = Y4
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
17+44.75	UNCLASSIFIED					
	Common Exc	44.08	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0

17+50.00 UNCLASSIFIED						
	Common Exc	44.08	9	9	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0
18+00.00 UNCLASSIFIED						
	Common Exc	442.92	451	451	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	41.54	38	38	1.00	413
18+20.00 UNCLASSIFIED						
	Common Exc	442.92	328	328	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	41.54	31	31	1.00	413

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
UNCLASSIFIED			
Common Exc	788	788	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	69	69	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y4.inp
Output File: EW_Y4.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y4.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color

 1    35    35       process earthwork for baseline = Y4
 1    36    36       job number = RDY
 1    37    37       beg station = 23+50 R 1
 1    38    38       end station = 23+50 R 1
 0     0    39 END_OF_FILE

COMPUTING EARTHWORKS FOR BASELINE = Y4
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```


Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
23+13.60	UNCLASSIFIED					
	Common Exc	244.03	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	0

ear_Y4_23+13.60-23+89.98

23+50.00 UNCLASSIFIED					
Common Exc	244.03	329	329	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	0
23+89.98 UNCLASSIFIED					
Common Exc	244.03	352	352	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	0

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
UNCLASSIFIED			
Common Exc	681	681	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	0	0	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y5.inp
Output File: ear_Y5.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y5.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = Y5
 1    26    26       job number = RDY
 1    27    27       beg station = 10+00 R 1
 1    28    28       end station = 40+00 R 1
 1    29    29
 1    30    30
 1    31    31
 1    32    32
 1    33    33
 1    34    34
 1    35    35
 0     0    36 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = Y5
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

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

10+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.90	0	0	1.00	0
10+50.00	UNCLASSIFIED					
	Common Exc	33.39	31	31	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	25.65	25	25	1.00	6
11+00.00	UNCLASSIFIED					
	Common Exc	88.61	113	113	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	52.04	72	72	1.00	47
11+50.00	UNCLASSIFIED					
	Common Exc	86.79	162	162	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	71.30	114	114	1.00	95
12+00.00	UNCLASSIFIED					
	Common Exc	80.10	155	155	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	92.68	152	152	1.00	98
12+50.00	UNCLASSIFIED					
	Common Exc	58.25	128	128	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	88.10	167	167	1.00	59
13+00.00	UNCLASSIFIED					
	Common Exc	54.19	104	104	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	102.37	176	176	1.00	-13
13+50.00	UNCLASSIFIED					
	Common Exc	72.32	117	117	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	56.24	147	147	1.00	-43

14+00.00	UNCLASSIFIED					
	Common Exc	62.06	124	124	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	48.52	97	97	1.00	-16
14+50.00	UNCLASSIFIED					
	Common Exc	40.55	95	95	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	68.63	108	108	1.00	-29
15+00.00	UNCLASSIFIED					
	Common Exc	49.66	84	84	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	72.79	131	131	1.00	-76
15+50.00	UNCLASSIFIED					
	Common Exc	46.27	89	89	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	66.58	129	129	1.00	-116
16+00.00	UNCLASSIFIED					
	Common Exc	31.85	72	72	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	42.95	101	101	1.00	-145
16+50.00	UNCLASSIFIED					
	Common Exc	5.97	35	35	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	12.91	52	52	1.00	-162
17+00.00	UNCLASSIFIED					
	Common Exc	43.66	46	46	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	44.52	53	53	1.00	-169
17+50.00	UNCLASSIFIED					
	Common Exc	0.00	40	40	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	109.24	142	142	1.00	-271

18+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	323.33	401	401	1.00	-672
18+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	571.18	828	828	1.00	-1500
19+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	790.64	1261	1261	1.00	-2761
19+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1037.85	1693	1693	1.00	-4454
20+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1159.41	2035	2035	1.00	-6489
20+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1309.64	2286	2286	1.00	-8775
21+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1587.68	2683	2683	1.00	-11458
21+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1793.75	3131	3131	1.00	-14589

22+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2149.44	3651	3651	1.00	-18240
22+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2390.45	4204	4204	1.00	-22444
23+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2155.21	4209	4209	1.00	-26653
23+50.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1457.60	3345	3345	1.00	-29998
24+00.00	UNCLASSIFIED					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1071.19	2341	2341	1.00	-32339
24+50.00	UNCLASSIFIED					
	Common Exc	22.15	21	21	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	792.23	1725	1725	1.00	-34043
25+00.00	UNCLASSIFIED					
	Common Exc	0.00	21	21	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	272.06	985	985	1.00	-35007
25+50.00	UNCLASSIFIED					
	Common Exc	287.72	266	266	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	252	252	1.00	-34993

26+00.00	UNCLASSIFIED					
	Common Exc	632.93	852	852	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-34141
26+50.00	UNCLASSIFIED					
	Common Exc	861.15	1383	1383	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-32758
27+00.00	UNCLASSIFIED					
	Common Exc	1158.53	1870	1870	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-30888
27+50.00	UNCLASSIFIED					
	Common Exc	1234.70	2216	2216	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-28672
28+00.00	UNCLASSIFIED					
	Common Exc	871.13	1950	1950	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-26722
28+50.00	UNCLASSIFIED					
	Common Exc	756.09	1507	1507	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-25215
29+00.00	UNCLASSIFIED					
	Common Exc	984.21	1611	1611	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-23604
29+50.00	UNCLASSIFIED					
	Common Exc	1211.96	2033	2033	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-21571

30+00.00	UNCLASSIFIED					
	Common Exc	1804.51	2793	2793	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-18778
30+50.00	UNCLASSIFIED					
	Common Exc	1730.76	3273	3273	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-15505
31+00.00	UNCLASSIFIED					
	Common Exc	1387.21	2887	2887	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-12618
31+50.00	UNCLASSIFIED					
	Common Exc	782.23	2009	2009	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	64.50	60	60	1.00	-10669
32+00.00	UNCLASSIFIED					
	Common Exc	292.04	995	995	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	434.74	462	462	1.00	-10136
32+50.00	UNCLASSIFIED					
	Common Exc	134.24	395	395	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	687.32	1039	1039	1.00	-10780
33+00.00	UNCLASSIFIED					
	Common Exc	52.77	173	173	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	954.91	1521	1521	1.00	-12128
33+50.00	UNCLASSIFIED					
	Common Exc	20.89	68	68	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1038.22	1845	1845	1.00	-13905

34+00.00	UNCLASSIFIED					
	Common Exc	11.91	30	30	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	905.18	1799	1799	1.00	-15674
34+50.00	UNCLASSIFIED					
	Common Exc	1.31	12	12	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	473.55	1277	1277	1.00	-16939
35+00.00	UNCLASSIFIED					
	Common Exc	31.85	31	31	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	49.38	484	484	1.00	-17392
35+50.00	UNCLASSIFIED					
	Common Exc	13.21	42	42	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	60.07	101	101	1.00	-17451
36+00.00	UNCLASSIFIED					
	Common Exc	10.80	22	22	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	159.85	204	204	1.00	-17633
36+50.00	UNCLASSIFIED					
	Common Exc	41.46	48	48	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	132.14	270	270	1.00	-17855
37+00.00	UNCLASSIFIED					
	Common Exc	87.64	120	120	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19.26	140	140	1.00	-17875
37+50.00	UNCLASSIFIED					
	Common Exc	86.04	161	161	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13.14	30	30	1.00	-17744

38+00.00	UNCLASSIFIED					
	Common Exc	80.38	154	154	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13.33	25	25	1.00	-17615
38+50.00	UNCLASSIFIED					
	Common Exc	87.67	156	156	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19.52	30	30	1.00	-17489
39+00.00	UNCLASSIFIED					
	Common Exc	60.94	138	138	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	30.63	46	46	1.00	-17397
39+50.00	UNCLASSIFIED					
	Common Exc	76.94	128	128	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9.24	37	37	1.00	-17306
40+00.00	UNCLASSIFIED					
	Common Exc	92.94	157	157	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.85	15	15	1.00	-17164

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
UNCLASSIFIED				
	Common Exc	28917	28917	1.00
	Subgrade Exc	0	0	1.00
	Subsoil Exc	0	0	1.00
	Fill	46081	46081	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y5.inp
Output File: ear_Y5.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y5.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25
 1    26    26
 1    27    27
 1    28    28
 1    29    29
 1    30    30       process earthwork for baseline = Y5
 1    31    31       job number = RDY
 1    32    32       beg station = 40+00 R 1
 1    33    33       end station = 43+75 R 1
 1    34    34
 1    35    35
 0     0    36 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = Y5
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

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

40+00.00	UNCLASSIFIED					
	Common Exc	92.94	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.85	0	0	1.00	0
40+50.00	UNCLASSIFIED					
	Common Exc	87.99	168	168	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	8.44	14	14	1.00	154
41+00.00	UNCLASSIFIED					
	Common Exc	97.46	172	172	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	7.10	14	14	1.00	312
41+50.00	UNCLASSIFIED					
	Common Exc	79.37	164	164	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10.51	16	16	1.00	460
42+00.00	UNCLASSIFIED					
	Common Exc	48.03	118	118	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	19.40	28	28	1.00	550
42+50.00	UNCLASSIFIED					
	Common Exc	29.31	72	72	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	41.47	56	56	1.00	566
43+00.00	UNCLASSIFIED					
	Common Exc	22.01	48	48	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	34.36	70	70	1.00	544
43+50.00	UNCLASSIFIED					
	Common Exc	24.34	43	43	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16.34	47	47	1.00	540

43+75.00 UNCLASSIFIED						
	Common Exc	24.34	23	23	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16.34	15	15	1.00	540

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
UNCLASSIFIED			
Common Exc	808	808	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	260	260	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y6.inp
Output File: EW_Y6.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y6.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = Y6
 1    26    26       job number = RDY
 1    27    27       beg station = 11+50 R 1
 1    28    28       end station = 11+50 R 1

COMPUTING EARTHWORKS FOR BASELINE = Y6
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
11+23.34	UNCLASSIFIED					
	Common Exc	78.96	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.65	0	0	1.00	0
11+50.00	UNCLASSIFIED					

ear_Y6_11+23.34-12+00

Common Exc	78.96	78	78	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.65	1	1	1.00	0

12+00.00 UNCLASSIFIED

Common Exc	78.96	146	146	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.65	1	1	1.00	0

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
UNCLASSIFIED			
Common Exc	224	224	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	2	2	1.00

```
Input  File: R:\Roadway\Xsc\XS Earthwork Files\EW_Y6.inp
Output File: EW_Y6.log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421B_RDY_xsc_Y6.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8       soil type = unclassified
 1     9     9       type = line
 1    10    10       fill mult factor = 1.00
 1    11    11       lvname = Old_Level_2, Old_Level_3, Prop XS Finish Grade
Earthwork, Prop XS Finish Grade Pavement
 1    12    12
 1    13    13       existing ground line
 1    14    14       soil type = unclassified
 1    15    15       type = line, line_string
 1    16    16       lvname = Old_Level_60
 1    17    17       lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20         plot parameters
 1    21    21            lvname = prop xs earthwork shape
 1    22    22            co = 1
 1    23    23            stratify shape color

 1    30    30       process earthwork for baseline = Y6
 1    31    31       job number = RDY
 1    32    32       beg station = 17+00 R 1
 1    33    33       end station = 17+00 R 1


COMPUTING EARTHWORKS FOR BASELINE = Y6
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
16+57.58	UNCLASSIFIED					
	Common Exc	73.20	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	51.76	0	0	1.00	0

ear_Y6_16+57.57-17+33.96

17+00.00 UNCLASSIFIED					
Common Exc	73.20	115	115	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	51.76	81	81	1.00	0
17+33.96 UNCLASSIFIED					
Common Exc	73.20	92	92	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	51.76	65	65	1.00	0

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
UNCLASSIFIED			
Common Exc	207	207	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	146	146	1.00

```
Input  File: R:\Roadway\Xsc\EW_y9lpa.inp
Output File: ear_y9lpa .log
 1     1     1
 1     2     2    earthwork
 1     3     3 /*   TOLERANCE = 0.01    */
 1     4     4
 1     5     5    xs dgn = R:\ROADWAY\XSC\R3421C_RDY_xsc_y9lpa.DGN
 1     6     6
 1     7     7       proposed finish grade
 1     8     8         soil type = unclassified
 1     9     9         type = line, line_string
 1    10    10         fill mult factor = 1.00
 1    11    11            lvname = Old_Level_2, Scratch_Level_8, Prop XS Finish
Grade Earthwork, Prop XS Finish Grade Pavement, Prop XS Finish Grade, Old_Level_10
 1    12    12
 1    13    13       existing ground line
 1    14    14         soil type = unclassified
 1    15    15         type = line, line_string
 1    16    16         lvname = Old_Level_60
 1    17    17         lvname = Exist XS Ground Line
 1    18    18
 1    19    19       write earthwork shapes
 1    20    20          plot parameters
 1    21    21            lvname = Prop XS Earthwork Shape
 1    22    22
 1    23    23            stratify shape color
 1    24    24
 1    25    25       process earthwork for baseline = y9lpa
 1    26    26       job number = RDY
 1    27    27       beg station = 4+00 R 1
 1    28    28       end station = 6+50 R 1
 0     0    29 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = Y9LPA
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
```

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
4+00.00	UNCLASSIFIED					
	Common Exc	14.21	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	12.78	0	0	1.00	0
4+50.00	UNCLASSIFIED					

ear_Y9LPA

Common Exc	15.59	28	28	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	14.61	25	25	1.00	3
5+00.00 UNCLASSIFIED					
Common Exc	12.89	26	26	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	21.60	34	34	1.00	-5
5+50.00 UNCLASSIFIED					
Common Exc	348.28	334	334	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	33.52	51	51	1.00	278
6+00.00 UNCLASSIFIED					
Common Exc	282.27	584	584	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	47.48	75	75	1.00	787
6+50.00 UNCLASSIFIED					
Common Exc	146.48	397	397	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	109.26	145	145	1.00	1039
7+70.00 UNCLASSIFIED					
Common Exc	146.48	651	651	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	109.26	487	487	1.00	1039

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
UNCLASSIFIED			
Common Exc	2020	2020	1.00
Subgrade Exc	0	0	1.00
Subsoil Exc	0	0	1.00
Fill	817	817	1.00