## **Earthwork Balance Sheet**

Volumes in Cubic Yards

PROJECT: HB-0002 COUNTY: Haywood DATE: 3/13/2024 COMPILED BY: J. HEFNER SHEET1\_OF1\_SHEETS

			1	EXCAVATION			EMBAN	KMENT				WA	STE	
STATION ST.	ATION	TOTAL	ROCK		SUITABLE	TOTAL	ROCK	EARTH	EMBANK.	BORROW	ROCK	SUITABLE	UNSUIT.	TOTAL
		UNCLASS.		UNCLASS.	UNCLASS.				+15%					
PHASE 1 (DET-WBL, Y2, &														
	+00.00 LT	16,350			16,350	15,962		15,962	18,356	2,006				
	+50.00 LT	641			641	17,614		17,614	20,256	19,615				
	18+00.00	127			127	322		322	370	243				
	26+85.00	44			44	1,677		1,677	1,929	1,885				
Stage 1 Culvert Surcharge Placement						5,339		5,339	6,140	6,140				
Stage 1 Culvert Surcharge Removal		6,140			6,140							6,140		6,140
SUB	TOTAL	23,302			23,302	40,914		40,914	47,051	29,889		6,140		6,140
PHASE 2 (DET-EBL)														
	6+00.00	43			43	1,887		1,887	2,170	2,127				
	28+00.00	208			208	3,975		3,975	4,571	4,363				
Stage 2 Culvert Surcharge Placement						5,043		5,043	5,800	5,800				
Stage 2 Culvert Surcharge Removal		5,800			5,800							5,800		5,800
SUB	TOTAL	6,051			6,051	10,905		10,905	12,541	12,290		5,800		5,800
PHASE 3 (-L- RT)														
	6+50.00	482			482	10,542		10,542	12,123	11,641				
	31+50.00	970			970	7,859		7,859	9,038	8,068				
	12+78.00	90			90	285		285	328	238				
Stage 3 Culvert Surcharge Placement						7,043		7,043	8,100	8,100				
Stage 3 Culvert Surcharge Removal		8,100			8,100							8,100		8,100
SUB	TOTAL	9,642			9,642	25,729		25,729	29,589	28,047		8,100		8,100
PHASE 4 (-L- MEDIAN)														
	16+00.00	218			218							218		218
-L-316+00.00 -L-3	28+00.00	1,481			1,481	33		33	38			1,443		1,443
SUB	TOTAL	1,699			1,699	33		33	38			1,661		1,661
PHASE 5 (-L- LT)														
	16+00.00	1,084			1,084							1,084		1,084
	25+50.00	1,033			1,033							1,033		1,033
SUB	TOTAL	2,117			2,117							2,117		2,117
TOTAL		42,811			42,811	77,581		77,581	89,219	70,226		23,818		23,818
MATERIAL FOR SHOULDER CONSTRU	ICTION					4,773		4,773	5,489	5,489				
WASTE IN LIEU OF BORROW										-19,947		-19,947		-19,947
PROJECT TOTAL		42,811			42,811	82,354		82,354	94,708	55,768		3,871		3,871
EST. 5% TO REPLACE TOP SOIL ON BO	ORROW PIT									2,788				
GRAND TOTAL		42,811			42,811	82,354		82,354	94,708	58,556		3,871		3,871
SAY		45,000								62,000				

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

PAVEMENT STRUCTURE VOLUME = 16,441 CUBIC YARDS

EST. DDE = 1,550 CUBIC YARDS

EST. SHALLOW UNDERCUT = 100 CUBIC YARDS

EST.SHALLOW UNDERCUT BY STATIONS = 0 CUBIC YARDS

TOTAL SHALLOW UNDERCUT = 100 CUBIC YARDS

CLASS IV SUBGRADE STABILIZATION = 200 TONS

PER GEOTECH RECOMMENDATION, EST. 450 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW L Phase-1.inp
Output File: EW L Phase-1.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 xs dgn = HB0002_rdy_xsc_L_phase-1.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5C
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = I19.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = B25.0C
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Pvmt Course 3
     100
 1
           100
 1
     101
           101 Proposed Undercut
 1
     102
           102 common exc only
     103
           103 soil type = Wall
 1
 1
     104
           104 fill mult factor = 1.00
     105
           105 type = line, line string
 1
     106
           106 lvname = Prop CMT Concrete Wall
 1
 1
     107
           107
     108
           108 excavation limits
 1
 1
     109
           109 lvname = Prop XS Exc Vertical Line 1
 1
     110
           110 type = line
 1
     111
           111
 1
     112
           112 Write Earthwork Shapes
 1
     113
           113 plot param
 1
     114
           114 lvname = WEI XS Earthwork
 1
     115
           115 Stratify Shape Color
 1
     116
           116
           117 vertical search distance = 200
 1
     117
 1
     118
           118
 1
     119
           119 /*calculate only between excavation limits*/
 1
     120
           121 End Area Decimal Places = 2
 1
     121
     122
 1
           122
           123 write column base ascii file =
 1
     123
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\01-L-Phase1-30300-31600.txt
     124
           125 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
     125
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           126 column 1 number of decimal place = 0
 1
     126
 1
     127
           127 column 1 total length = 10
 1
     128
           128
 1
     129
           129 column 2 formula = ["SUITABLE", Fill, unadj vol]
     130
           130 column 2 number of decimal place = 0
 1
           131 column 2 total length = 10
 1
     131
 1
     132
           133 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
     133
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
     134
           134 column 3 number of decimal place = 0
 1
     135
           135 column 3 total length = 10
     136
 1
           136
           137 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
 1
     137
     138
           138 column 4 number of decimal place = 0
 1
     139
           139 column 4 total length = 10
 1
 1
     140
           140
     141
           141 column 5 formula = ["SHOULDERBORROW", Fill, end area]
 1
           142 column 5 number of decimal place = 2
 1
     142
     143
           143 column 5 total length = 10
 1
     144
           144
```

```
1
     145
           145 column 6 formula = ["S9.5C", Fill, End Area]
           146 column 6 number of decimal place = 2
 1
     146
 1
     147
           147 column 6 total length = 10
 1
     148
           148
     149
           149 column 7 formula = ["I19.0C", Fill, End Area]
 1
 1
     150
           150 column 7 number of decimal place = 2
 1
     151
           151 column 7 total length = 10
 1
     152
 1
     153
           153 column 8 formula = ["B25.0C", Fill, End Area]
           154 column 8 number of decimal place = 2
     154
 1
           155 column 8 total length = 10
 1
     155
     156
 1
           156
 1
     157
           157 Process Earthwork for Baseline = L
 1
     158
           158 job number = rdy
 1
     159
           159
 1
     160
           160 beg sta = 303+00.00
 1
     161
           161 end sta = 316+00.00
 1
     162
           162
     163
 1
           163
 1
     164
           164 write column base ascii file =
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\01-L-Phase1-31600-33150.txt
     165
           165
           166 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     166
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           167 column 1 number of decimal place = 0
 1
     167
 1
     168
           168 column 1 total length = 10
 1
     169
           169
 1
     170
           170 column 2 formula = ["SUITABLE", Fill, unadj vol]
           171 column 2 number of decimal place = 0
 1
     171
           172 column 2 total length = 10
 1
     172
 1
     173
           173
           174 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
     174
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
     175
           175 column 3 number of decimal place = 0
     176
           176 column 3 total length = 10
 1
 1
     177
           178 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
     178
 1
 1
     179
           179 column 4 number of decimal place = 0
 1
     180
           180 column 4 total length = 10
 1
     181
           181
     182
           182 column 5 formula = ["SHOULDERBORROW", Fill, end area]
 1
           183 column 5 number of decimal place = 2
 1
     183
     184
           184 column 5 total length = 10
 1
     185
 1
           185
 1
     186
           186 column 6 formula = ["S9.5C", Fill, End Area]
     187
           187 column 6 number of decimal place = 2
 1
           188 column 6 total length = 10
 1
     188
 1
     189
     190
           190 column 7 formula = ["I19.0C", Fill, End Area]
```

```
1
    191
          191 column 7 number of decimal place = 2
    192
          192 column 7 total length = 10
1
1
    193
          193
    194
          194 column 8 formula = ["B25.0C", Fill, End Area]
1
    195
          195 column 8 number of decimal place = 2
1
1
    196
          196 column 8 total length = 10
1
    197
          197
1
    198
          198 Process Earthwork for Baseline = L
1
    199
          199 job number = rdy
    200
1
          200
1
    201
          201 \text{ beg sta} = 316+00.00
          202 end sta = 331+50.00
1
    202
1
    203
          203
    204
1
          204
    205
1
          205
1
    206
          206
    207
1
          207
1
    208
          208
    209
1
          209
1
    210
          210
          211 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name
                            End Areas Unadjusted Adjusted
                                                            Mult Mass
Station
                                       Volumes
                                                 Volumes
                                                            Factor Ordinate
                            (sq. ft.) (cu. yd.) (cu. yd.)
                        --- ------ ------
-----
 303+00.00 SUITABLE
               Common Exc
                                             0
                                                            1.00
                               22.15
                                                        0
             Subgrade Exc
                                0.00
                                             0
                                                        0
                                                            1.00
              Subsoil Exc
                                0.00
                                             0
                                                        0
                                                            1.00
                   Fill
                                2.40
                                             0
                                                            1.00
                                                                        0
           SHOULDERBORROW
                                0.00
                                             0
                                                        0
                                                            1.00
               Common Exc
                                0.00
                                                            1.00
             Subgrade Exc
                                             0
                                                        0
              Subsoil Exc
                                0.00
                                             0
                                                        0
                                                            1.00
                   Fill
                                9.67
                                             0
                                                            1.00
                                                                        0
           S9.5C
               Common Exc
                                0.00
                                             0
                                                        0
                                                            1.00
             Subgrade Exc
                                0.00
                                             0
                                                        0
                                                            1.00
              Subsoil Exc
                                0.00
                                             0
                                                            1.00
                   Fill
                                2.81
                                             0
                                                            1.00
                                                                        0
           I19.0C
               Common Exc
                               0.00
                                             0
                                                            1.00
                                                        0
             Subgrade Exc
                               0.00
                                             0
                                                        0
                                                            1.00
              Subsoil Exc
                              0.00
                                             0
                                                        0
                                                            1.00
                   Fill
                                3.85
                                                            1.00
                                                                        0
```

B25.0C					
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	13.33	0	0	1.00	0
303+50.00 SUITABLE					
Common Exc	557.32	537	537	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.56	3	3	1.00	534
SHOULDERBORROW				4 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	=40
Fill	13.97	22	22	1.00	512
S9.5C			_		
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	2.93	5	5	1.00	507
I19.0C			_		
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	4.01	7	7	1.00	500
B25.0C				4 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	13.84	25	25	1.00	475
304+00.00 SUITABLE					
Common Exc	643.48	1112	1112	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	1586
SHOULDERBORROW					
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	13.97	26	26	1.00	1560
S9.5C					
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	2.87	5	5	1.00	1555
I19.0C					
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	3.94	7	7	1.00	1548
	B25.0C					
	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	13.61	25	25	1.00	1523
304+50.00	SUITABLE					
	Common Exc	752.50	1293	1293	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.31	1	1	1.00	2815
	SHOULDERBORROW		_	_		
	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	14.01	26	26	1.00	2789
	S9.5C	11101	20	20	1.00	2,03
	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	3.01	5	5	1.00	2784
	I19.0C	3.01	,		2.00	270.
	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	4.11	7	7	1.00	2777
	B25.0C		,	•		_,,,
	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	14.19	26	26	1.00	2751
	, 111	11.13	20	20	1.00	2,31
305+00.00	SUITABLE					
	Common Exc	843.13	1477	1477	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.15	0	0	1.00	4228
	SHOULDERBORROW	0.23	· ·	· ·	2.00	
	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	14.02	26	26	1.00	4202
	S9.5C	17.02	20	20	1.00	7202
	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	3.01	6	6	1.00	4196
	I19.0C	5.01	0	O	1.00	- <b>TI</b> JU
	117.00					

Common Exc Subgrade Exc Subsoil Exc	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	4400
Fill	4.12	8	8	1.00	4188
B25.0C 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	14.21	26	26	1.00	4162
. 111				2.00	.202
305+50.00 SUITABLE					
Common Exc	885.19	1600	1600	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	5762
SHOULDERBORROW					
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	14.07	26	26	1.00	5736
S9.5C				4 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	F734
Fill	2.88	5	5	1.00	5731
I19.0C Common Exc	0 00	۵	a	1 00	
Subgrade Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.95	7	7	1.00	5724
B25.0C	٠. ٧٠	,	,	1.00	3724
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	13.65	26	26	1.00	5698
306+00.00 SUITABLE					
Common Exc	821.22	1580	1580	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.38	0	0	1.00	7278
SHOULDERBORROW					
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	14.06	26	26	1.00	7252
S9.5C	2 22	2	^	1 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	2.82	5	5	1.00	7247
I19.0C	0.00	0	0	1 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	=0.40
Fill	3.87	7	7	1.00	7240
B25.0C			_		
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	13.39	25	25	1.00	7215
306+50.00 SUITABLE					
Common Exc	775.12	1478	1478	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.15	0	0	1.00	8693
SHOULDERBORROW	0.15	O	O	1.00	0000
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc		0	0		
Subsoil Exc Fill	0.00			1.00	9667
S9.5C	14.03	26	26	1.00	8667
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	2.74	5	5	1.00	8662
I19.0C		_			
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	3.76	7	7	1.00	8655
B25.0C	3170	,	•	2.00	0033
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	13.04	24	24	1.00	8631
LIII	13.04	24	24	1.00	8031
307+00.00 SUITABLE					
Common Exc	715.64	1380	1380	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	10011
SHOULDERBORROW					
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	14.00	26	26	1.00	9985
S9.5C					
Common Exc	0.00	0	0	1.00	
		-	-		

Subgrade Exc   0.00   0   0   1.00   9980   1190   1191   1278   5   5   1.00   9980   119.00   119.	Suha	rade Evc	0.00	0	0	1.00	
Fill   2.78   5   5   1.00   9980   119.00   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Fill   3.81   7   7   1.00   9973   B25.00   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0							
T19.0C	540						9980
Common Exc   0.00   0   0   1.00   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0	I19.0C		2.,,			2.00	2200
Subgrade Exc   0.00   0   0   1.00   1.00   50   1.00   Fill   3.81   7   7   1.00   9973   B25.0C   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   0   0   0			0.00	0	0	1.00	
Subsoil Exc							
Fill   3.81   7   7   1.00   9973							
B25.0C							9973
Subgrade Exc   0.00   0   0   1.00   1.00   1.00   Fill   13.22   24   24   1.00   9949   307+50.00   SUITABLE   Common Exc   701.54   1312   1312   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   11261   SHOULDERBORROW   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   12456   Subgrade Exc   0.00   0   0   0	B25.0C						
Subsoil Exc	Co	mmon Exc	0.00	0	0	1.00	
Fill	Subg	rade Exc	0.00	0	0	1.00	
307+50.00 SUITABLE	Sub	soil Exc	0.00	0	0	1.00	
Common Exc   701.54   1312   1312   1.00   Subgrade Exc   0.00   0   0   1.00   Exc   5.00   0   0   0   1.00   Exc   5.11   0.00   0   0   0   1.00   Exc   0.00   0   0   1.00   Exc   0.00   0   0   1.00   Exc   0.00   0   0   0   1.00   Exc   0.00   0   0   0   1.00   Exc   0.00		Fill	13.22	24	24	1.00	9949
Common Exc   701.54   1312   1312   1.00   Subgrade Exc   0.00   0   0   1.00   Exc   5.00   0   0   0   1.00   Exc   5.11   0.00   0   0   0   1.00   Exc   0.00   0   0   1.00   Exc   0.00   0   0   1.00   Exc   0.00   0   0   0   1.00   Exc   0.00   0   0   0   1.00   Exc   0.00	307±50 00 SUTT∆R	l F					
Subgrade Exc   0.00   0   0   1.00   1.00   Fill   0.00   0   0   1.00   11261			701 54	1312	1312	1.00	
Subsoil Exc							
Fill   0.00   0   0   1.00   11261   SHOULDERBORROW   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   0   0   0   0	_						
SHOULDERBORROW   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   0   0   0   0	546						11261
Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   0   0   0   0	SHOULD		0.00	Ü	J	1.00	11201
Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   1.205			0.00	0	0	1.00	
Subsoil Exc   0.00   0   0   1.00   1.235   S9.5C   S9.5C   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   0   0   0   0							
Fill							
S9.5C							11235
Subgrade Exc       0.00       0       1.00         Subsoil Exc       0.00       0       1.00         Fill       3.23       6       6       1.00       11229         I19.0C         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       4.42       8       8       1.00       11221         B25.0C       Common Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         SHOULDERBORROW       Common Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00       12456         Should Exc       0.00       0       0       1.00       1.00         Subgrade Exc       0.00       0       0	S9.5C						
Subsoil Exc   0.00   0   0   1.00   11229   119.00	Co	mmon Exc	0.00	0	0	1.00	
Fill   3.23   6   6   1.00   11229   119.0C	Subg	rade Exc	0.00	0	0	1.00	
T19.0C	Sub	soil Exc	0.00	0	0	1.00	
Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Exc   0.00   0   0   0   0   1.00   Exc   0.00   0   0   0   0   1.00   Exc   0.00   0   0   0   0   0   0   0   Exc   0.00   0   0   0   0   0   Exc   0.00   0   0   0   0   0   Exc   0.00   0   0   0   Exc   0.00   0   0   0   0   Exc   0.00   0   0   0   Exc   0.00   0   0   0   Exc   0.00   0   Exc   0.00   0   0   Exc   0.00   0   0   Exc   0.00   0   Exc   0.00   0   0   Exc   0.00   0   0   Exc   0.00   Exc   0.00   0   Exc   0.00   Exc   0.00   Exc   0.00   0   Exc   0.00   Exc		Fill	3.23	6	6	1.00	11229
Subgrade Exc         0.00         0         1.00           Subsoil Exc         0.00         0         1.00           Fill         4.42         8         8         1.00         11221           B25.0C         Common Exc         0.00         0         0         1.00         1.00           Subgrade Exc         0.00         0         0         1.00         1.00         1.00           Subsoil Exc         0.00         0         0         1.00         11195           308+00.00 SUITABLE         Common Exc         660.33         1261         1261         1.00           Subgrade Exc         0.00         0         0         1.00           Subsoil Exc         0.00         0         0         1.00           Subgrade Exc         0.00         0         0         1.00	I19.0C						
Subsoil Exc         0.00         0         1.00           Fill         4.42         8         8         1.00         11221           B25.0C         Common Exc         0.00         0         0         1.00           Subgrade Exc         0.00         0         0         1.00           Subsoil Exc         0.00         0         0         1.100           Subgrade Exc         0.00         0         0         1.00           Subsoil Exc         0.00         0         0         1.00           Fill         0.08         0         0         1.00           Subsoil Exc         0.00         0         0         1.00           SHOULDERBORROW         0         0         0         1.00           Subgrade Exc         0.00         0         0         1.00           Subgrade Exc         0.00         0         0         1.00           Subsoil Exc         0.00         0         0         1.00				0	0		
Fill 4.42 8 8 1.00 11221 B25.0C  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 15.16 26 26 1.00 11195  308+00.00 SUITABLE  Common Exc 660.33 1261 1261 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.08 0 0 1.00 Fill 0.08 0 0 1.00 SHOULDERBORROW Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00				0			
B25.0C   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   0   0   0   0	Sub						
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 15.16 26 26 1.00 11195  308+00.00 SUITABLE  Common Exc 660.33 1261 1261 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.08 0 0 1.00 Fill 0.08 0 0 1.00 SHOULDERBORROW Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00			4.42	8	8	1.00	11221
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       15.16       26       26       1.00       11195         308+00.00 SUITABLE         Common Exc       660.33       1261       1261       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00				_	_		
Subsoil Exc       0.00       0       0       1.00         Fill       15.16       26       26       1.00       11195         308+00.00 SUITABLE       Common Exc       660.33       1261       1261       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         SHOULDERBORROW       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 15.16 26 26 1.00 11195  308+00.00 SUITABLE  Common Exc 660.33 1261 1261 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.08 0 0 1.00 12456  SHOULDERBORROW  Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00	•						
308+00.00 SUITABLE  Common Exc 660.33 1261 1261 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.08 0 0 1.00 12456 SHOULDERBORROW Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00	Sub						4440=
Common Exc       660.33       1261       1261       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.08       0       0       1.00       12456         SHOULDERBORROW         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	15.16	26	26	1.00	11195
Subgrade Exc       0.00       0       1.00         Subsoil Exc       0.00       0       1.00         Fill       0.08       0       1.00       12456         SHOULDERBORROW         Common Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00	308+00.00 SUITAB	LE					
Subsoil Exc       0.00       0       0       1.00         Fill       0.08       0       0       1.00       12456         SHOULDERBORROW         Common Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00	Co	mmon Exc	660.33	1261	1261	1.00	
Fill       0.08       0       0       1.00       12456         SHOULDERBORROW         Common Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00	Subg	rade Exc	0.00	0	0	1.00	
SHOULDERBORROW  Common Exc 0.00 0 0 1.00  Subgrade Exc 0.00 0 0 1.00  Subsoil Exc 0.00 0 0 1.00	Sub	soil Exc	0.00	0	0	1.00	
Common Exc       0.00       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00		Fill	0.08	0	0	1.00	12456
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00	SHOULD	ERBORROW					
Subsoil Exc 0.00 0 0 1.00				0	0	1.00	
	_				0		
Fill 13.52 25 25 1.00 12431	Sub				0		
		Fill	13.52	25	25	1.00	12431

S9.5C					
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	3.75	6	6	1.00	12425
I19.0C					
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	5.11	9	9	1.00	12416
B25.0C					
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	17.42	30	30	1.00	12386
308+50.00 SUITABLE					
Common Exc	445.45	1024	1024	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	13410
SHOULDERBORROW					
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	12.70	24	24	1.00	13386
S9.5C					
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	4.42	8	8	1.00	13378
I19.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	42240
Fill	5.99	10	10	1.00	13368
B25.0C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	9	9	1.00 1.00	12222
FIII	20.28	35	35	1.00	13333
309+00.00 SUITABLE					
Common Exc	328.76	717	717	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.30	0	0	1.00	14050
SHOULDERBORROW		_	=	<b>.</b>	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

Cultural 1 Form	0.00	0	0	1 00	
Subsoil Exc	0.00	0	0	1.00	4.4000
Fill	9.96	21	21	1.00	14029
S9.5C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0 9	0 9	1.00	14020
I19.0C	5.19	9	9	1.00	14020
Common Exc	0 00	0	α	1 00	
	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	1 4000
Fill	7.02	12	12	1.00	14008
B25.0C	0.00	0	0	1 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	42067
Fill	23.61	41	41	1.00	13967
309+50.00 SUITABLE					
Common Exc	298.27	581	581	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.82	1	1	1.00	14547
SHOULDERBORROW					
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	9.30	18	18	1.00	14529
S9.5C					
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	6.18	11	11	1.00	14518
I19.0C					
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	8.35	14	14	1.00	14504
B25.0C					
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	27.92	48	48	1.00	14456
310+00.00 SUITABLE					
Common Exc	247.10	505	505	1.00	
Subgrade Exc	0.00	303 0	505 0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	1.26	2	2	1.00	14959
SHOULDERBORROW	1.20	2	4	1.00	エサシンジ
SUUULDEKBUKKUW					

Common Eve	0.00	0	0	1 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	6.81	15	15	1.00	14944
S9.5C					
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	7.37	13	13	1.00	14931
I19.0C					
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	9.92	17	17	1.00	14914
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	33.03	56	56	1.00	14858
1111	33.63	50	50	1.00	14000
310+50.00 SUITABLE					
Common Exc	130.61	350	350	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill					15106
	11.62	12	12	1.00	15196
SHOULDERBORROW	0.00	0	0	1 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	2.59	9	9	1.00	15187
S9.5C					
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	9.64	16	16	1.00	15171
I19.0C					
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	10.55	19	19	1.00	15152
B25.0C					
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	10.08	40	40	1.00	15112
, 111	10.00	τ <b>υ</b>	70	1.00	
311+00.00 SUITABLE					
Common Exc	11.52	132	132	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
3453011 270	3.00	•	ŭ		

Fill	25.29	34	34	1.00	15210
SHOULDERBORROW	23.29	54	54	1.00	13210
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	1.99	4	4	1.00	15206
S9.5C	2.55	•	·	2.00	23200
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	9.10	17	17	1.00	15189
I19.0C					
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	12.33	21	21	1.00	15168
B25.0C					
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	15.33	24	24	1.00	15144
311+50.00 SUITABLE					
Common Exc	0.00	11	11	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	216.46	224	224	1.00	14931
SHOULDERBORROW					
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	0.00	2	2	1.00	14929
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	9.10	17	17	1.00	14912
I19.0C			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4 4 9 9 9
Fill	12.33	23	23	1.00	14889
B25.0C	0.00	0	0	1 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	14050
Fill	18.51	31	31	1.00	14858
212100 00 CHTTAPLE					
312+00.00 SUITABLE	0.00	^	^	1 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	587.95	745	745	1.00	14113
	S9.5C	367.93	745	743	1.00	14113
	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	9.10	17	17	1.00	14096
	I19.0C	3.10	1,	1,	1.00	11000
	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	12.33	23	23	1.00	14073
	B25.0C					
	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	15.72	32	32	1.00	14041
					_,_,	
312+50.00	SUITABLE					
	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	848.66	1330	1330	1.00	12711
	S9.5C					
	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	9.10	17	17	1.00	12694
	I19.0C					
	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	12.33	23	23	1.00	12671
	B25.0C					
	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	15.72	29	29	1.00	12642
313+00.00			_	_		
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	10010
	Fill	1087.63	1793	1793	1.00	10849
	S9.5C	2 22	-	-	4 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	40000
	Fill	9.09	17	17	1.00	10832

I19.0C					
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	12.32	23	23	1.00	10809
B25.0C					
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	15.71	29	29	1.00	10780
313+50.00 SUITABLE					
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	1251.91	2166	2166	1.00	8614
S9.5C					
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	9.08	17	17	1.00	8597
I19.0C			_		
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	12.30	23	23	1.00	8574
B25.0C	0.00	•	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 15.69	0	0	1.00 1.00	8545
LIII	13.69	29	29	1.00	0343
314+00.00 SUITABLE					
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	1376.01	2433	2433	1.00	6112
S9.5C				4 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	6005
Fill I19.0C	9.07	17	17	1.00	6095
	0 00	a	a	1 00	
Common Exc Subgrade Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	12.29	23	23	1.00	6072
B25.0C	14,43	23	23	1.00	00/2
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
2408. 446. 576	2.00	Ü	Ŭ		

Subsoil Exc	0.00	0	0	1.00	
Fill	15.67	29	29	1.00	6043
314+50.00 SUITABLE					
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	891.32	2099	2099	1.00	3944
S9.5C					
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	9.07	17	17	1.00	3927
I19.0C					
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	12.28	23	23	1.00	3904
B25.0C					
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	15.67	29	29	1.00	3875
WALL					
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	10.43	10	10	1.00	3865
315+00.00 SUITABLE					
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	884.37	1644	1644	1.00	2221
S9.5C					
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	9.06	17	17	1.00	2204
I19.0C		_			
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	12.28	23	23	1.00	2181
B25.0C	2 22	•	_	4 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	24.52
Fill	15.66	29	29	1.00	2152
WALL					

Common Exc Subgrade Exc Subsoil Exc	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	
Fill	12.19	21	21	1.00	2131
315+50.00 SUITABLE					
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	1283.87	2008	2008	1.00	123
S9.5C					
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	9.06	17	17	1.00	106
I19.0C					
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	12.28	23	23	1.00	83
B25.0C					
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	15.66	29	29	1.00	54
WALL					
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	13.21	24	24	1.00	30
316+00.00 SUITABLE					
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	298.91	1466	1466	1.00	-1436
S9.5C					
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	9.06	17	17	1.00	-1453
I19.0C					
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	12.28	23	23	1.00	-1476
B25.0C				_	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

	Fi	11 :	15.66	5	29		29	1.	00	-1505	
	WALL										
	Common		0.00		0				.00		
	Subgrade		0.00		0				.00		
	Subsoil		0.00		0				00		
	Fi.		13.98		25		25		.00	-1530	
<b>^</b>			SU	MMAR			TA				
	Materia	l Name		Unadjus							
				Volumes				Facto	or		
				(cu. yo	d.) (	(cu. y	d.)				
	SUITABLE								· <del>-</del>		
		Common	Exc	16	5350	1	6350	1.6	90		
		Subgrade			0		0	1.6			
		Subsoil			0		0	1.6			
		Fill		15	5962	1	5962	1.6			
	SHOULDERBORROW										
		Common	Exc		0		0	1.6	90		
		Subgrade	Exc		0		0	1.6	90		
		Subsoil			0		0	1.6	90		
		Fill			348		348	1.6	90		
	S9.5C										
		Common	Exc		0		0	1.6	90		
		Subgrade	Exc		0		0	1.6	90		
		Subsoil	Exc		0		0	1.6	90		
		Fill			297		297	1.6	90		
	I19.0C										
		Common	Exc		0		0	1.6	90		
		Subgrade	Exc		0		0	1.6	90		
		Subsoil	Exc		0		0	1.6	90		
		Fill			397		397	1.6	90		
	B25.0C										
		Common	Exc		0		0	1.6	90		
		Subgrade	Exc		0		0	1.6	90		
		Subsoil	Exc		0		0	1.6	90		
		Fill			796		796	1.6	90		
	WALL										
		Common			0		0	1.6			
		Subgrade			0		0	1.6			
		Subsoil	Exc		0		0	1.6			
		Fill			80		80	1.6			
<b>^</b>		S	P L	ΙT	SUI	ММА	RY	Т	0 T A	L S	
				XS Quar	nt	XS Qu	ant	Add/S	Sub Qua	nt Add/	Sub
Quant											
	Material	Name		Unadjus	sted	Adjus	ted	Unad	justed	Adju	sted
Mult								=			
				Volume		Volum	e	Volun	1e	Volu	me
Factor	•			(611 )	٠ ١	(	vd 1	(	vd \	(	٧, ١
				(cu. yo	J.)	(cu.	yu.)	(cu.	yu.)	(cu.	yd.)

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	SUITABLE		_	4.6250	4.605.0	
0	1.00	Common	EXC	16350	16350	0
0	1.00	Subgrade	Exc	0	0	0
		Subsoil	Exc	0	0	0
0	1.00	Fill		15962	15962	0
0	1.00 SHOULDERBORROW					
0	1.00	Common	Exc	0	0	0
		Subgrade	Exc	0	0	0
0	1.00	Subsoil	Exc	0	0	0
0	1.00	Fill		348	348	0
0	1.00	,		310	3.0	· ·
	S9.5C	Common	Exc	0	0	0
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil		0	0	0
0	1.00		LXC			
0	1.00	Fill		297	297	0
	I19.0C	Common	Exc	0	0	0
0	1.00	Subgrade		0	0	0
0	1.00					
0	1.00	Subsoil	Exc	0	0	0
0	1.00	Fill		397	397	0
	B25.0C	Common	- Fye	0	0	0
0	1.00			0		0
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil	Exc	0	0	0
		Fill		796	796	0
0	1.00 WALL					
		Common	Exc	0	0	0

0	1.0						
0	1.00	Subgrade 3	Exc	0	0		0
0	1.00	Subsoil	Exc	0	0		0
		Fill		80	80		0
0 <b>↑</b>	1.00	BALANCE	Р				
Mul <sup>-</sup>	t	Material Name		Cumulat	tive	Increme	ental
				Unadjusted	Adjusted	Unadjusted	Adjusted
Fac <sup>-</sup>	cor.					Volumes (cu. yd.)	
S	tati	on = 315+50.96					
		SUITABLE Common	Exc	16350	16350	16350	16350
1.0	0	Subgrade	Fvc	0	0	0	0
1.0	0	_					
1.0	0	Subsoil	Exc	0	0	0	0
1 0	0	Fill		14524	14524	14524	14524
1.00	О	UNSUITABLE					
1.0	а	Common	Exc	0	0	0	0
		Subgrade	Exc	0	0	0	0
1.00	0	Subsoil	Exc	0	0	0	0
1.0	0	Fill		0	0	0	0
1.0	0			Ü	Ü	O	O .
		UNSUITABLEMARGINAL Common	Exc	0	0	0	0
1.0	0	Subgrade		0	0	0	0
1.0	0	_					
1.0	0	Subsoil	Exc	0	0	0	0
		Fill		0	0	0	0
1.00	О	DDE					
1.0	а	Common	Exc	0	0	0	0
		Subgrade	Exc	0	0	0	0
1.0	И	Subsoil	Exc	0	0	0	0

1.00	Fill		0	0	0	0
1.00	UNSUITABLEDDE					
1 00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNDERCUT				•	•
	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00			ŭ	ŭ	ŭ	9
	SHOULDERBORROW Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		348	348	348	348
1.00			540	540	546	340
	SELECTMATERIAL Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil		0	0	0	0
1.00						
1.00	Fill		0	0	0	0
	S9.5C Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil		0	0	0	0
1.00						
1.00	Fill		280	280	280	280
	I19.0C Common	Exc	0	0	0	0

1.00							
		Subgrade	Exc	0	0	0	0
1.00		Subsoil	Fxc	0	0	0	0
1.00		3403011	LXC	· ·	· ·	· ·	· ·
1 00		Fill		374	374	374	374
1.00	B25.0C						
		Common	Exc	0	0	0	0
1.00		Subgrade	Fxc	0	0	0	0
1.00		Jubgi duc	LXC	· ·	· ·	· ·	· ·
1 00		Subsoil	Exc	0	0	0	0
1.00		Fill		768	768	768	768
1.00							
	WALL	Common	Fvc	0	0	0	0
1.00		Common	LXC	· ·	· ·	· ·	O
1 00		Subgrade	Exc	0	0	0	0
1.00		Subsoil	Exc	0	0	0	0
1.00							
1.00		Fill		55	55	55	55
	NC FARTILION	C FOD DACELTHE					

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

Station	Material Name	End Areas	Unadjusted Volumes	Adjusted Volumes	Mult Factor	Mass Ordinate
		(sq. ft.)	(cu. yd.)	(cu. yd.)		
316+00.00	SUITABLE					
	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	298.91	0	0	1.00	0
	S9.5C					
	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	9.06	0	0	1.00	0
	I19.0C					
	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	12.28	0	0	1.00	0
	B25.0C					

Common Exc Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.00 15.66	0 0 0	0 0 0	1.00 1.00 1.00 1.00	0
WALL	13.00	O	O	1.00	O
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.98	0	0	1.00	0
244 - 20 20 20 - 20 20 - 20 20 20 20 20 20 20 20 20 20 20 20 20					
316+50.00 SUITABLE	0.00	•		4 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	4025
Fill	1682.53	1835	1835	1.00	-1835
S9.5C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0	0	1.00	1053
I19.0C	9.06	17	17	1.00	-1852
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	12.28	23	23	1.00	-1875
B25.0C				_,,,	
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	15.66	29	29	1.00	-1904
WALL					
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	13.80	26	26	1.00	-1930
247 00 00 50774815					
317+00.00 SUITABLE	0.00	•	•	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0 2517	1.00	4447
Fill S9.5C	1035.44	2517	2517	1.00	-4447
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	9.07	17	17	1.00	-4464
I19.0C					
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 B25.0C	12.28	23	23	1.00	-4487
	0.00	0	0	1 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	4-44
Fill	15.67	29	29	1.00	-4516
WALL			_		
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	12.22	24	24	1.00	-4540
317+50.00 SUITABLE					
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	928.83	1819	1819	1.00	-6359
S9.5C	320.03	1013	1019	1.00	0333
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	9.07	17	17	1.00	-6376
I19.0C	9.07	17	17	1.00	-0370
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	12.29	23	23	1.00	-6399
B25.0C	12.25	23	23	1.00	0333
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	15.67	29	29	1.00	-6428
WALL	13.07	23	23	1.00	-0420
Common Exc	0.00	0	0	1.00	
		0	0		
Subgrade Exc	0.00			1.00	
Subsoil Exc	0.00	0	0	1.00	6450
Fill	11.63	22	22	1.00	-6450
318+00.00 SUITABLE					
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	824.61	1624	1624	1.00	-8074
S9.5C					
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	9.07	17	17	1.00	-8091
I19.0C	- • • •	<u> </u>			
Common Exc	0.00	0	0	1.00	
COMMON EXC	0.00	•	•		

Subgrade	e Exc	0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	
F:	ill	12.29	23	23	1.00	-8114
B25.0C						
Commo		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	
	ill	15.68	29	29	1.00	-8143
WALL	_			_		
Commo		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	04.64
F:	<b>i</b> 11	11.12	21	21	1.00	-8164
318+50.00 SUITABLE						
Commo	n Exc	0.00	0	0	1.00	
Subgrade	e Exc	0.00	0	0	1.00	
Subsoi	l Exc	0.00	0	0	1.00	
F	ill	719.48	1430	1430	1.00	-9594
S9.5C						
Commo		0.00	0	0	1.00	
Subgrad		0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	
	ill	9.08	17	17	1.00	-9611
I19.0C	_			_		
Commo		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	0.63.4
B25.0C	ill	12.30	23	23	1.00	-9634
Commo	n Exc	0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	
	ill	15.68	29	29	1.00	-9663
WALL						
Commo	n Exc	0.00	0	0	1.00	
Subgrade	e Exc	0.00	0	0	1.00	
Subsoi	l Exc	0.00	0	0	1.00	
F	ill	10.46	20	20	1.00	-9683
319+00.00 SUITABLE						
Commo	n Exc	0.00	0	0	1.00	
Subgrade	e Exc	0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	
F	ill	622.96	1243	1243	1.00	-10926
S9.5C						
Commo	n Exc	0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoi		0.00	0	0	1.00	
F	ill	9.08	17	17	1.00	-10943

I19.0C					
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	12.30	23	23	1.00	-10966
B25.0C					
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	15.69	29	29	1.00	-10995
WALL					
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	9.98	19	19	1.00	-11014
319+50.00 SUITABLE					
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	533.54	1071	1071	1.00	-12085
S9.5C	333 <b>.</b> 34	1071	1071	1.00	12005
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	9.08	17	17	1.00	-12102
I19.0C	2.00		_,	_,,,	
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	12.31	23	23	1.00	-12125
B25.0C					
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	15.70	29	29	1.00	-12154
WALL					
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	8.77	17	17	1.00	-12171
320+00.00 SUITABLE					
Common Exc	0.68	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	510.02	966	966	1.00	-13136
S9.5C	510.02	200	200	1.00	17170
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
2329. 232. 246	3.33	J	J	_,,,,	

Subsoil Eve	0.00	0	a	1 00	
Subsoil Exc Fill	0.00 9.09	0 17	0 17	1.00 1.00	-13153
I19.0C	9.09	17	17	1.00	-13133
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	12.29	23	23	1.00	-13176
B25.0C	12.27	23	23	1.00	-13170
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	15.11	29	29	1.00	-13205
WALL	13.11	23	23	1.00	-15205
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	7.77	15	15	1.00	-13220
1111	7.77	15	13	1.00	-13220
320+50.00 SUITABLE					
Common Exc	0.39	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	485.81	922	922	1.00	-14141
S9.5C					
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	9.34	17	17	1.00	-14158
I19.0C					
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	11.67	22	22	1.00	-14180
B25.0C					
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	13.48	26	26	1.00	-14206
WALL					
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	6.26	13	13	1.00	-14219
224.00.00.00.00.					
321+00.00 SUITABLE	0.67	4	4	4 00	
Common Exc	0.67	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	45065
Fill	431.06	849	849	1.00	-15067
S9.5C					

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	9.41	17	17	1.00	-15084
I19.0C	J. 41	17	1,	1.00	15004
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.43	20	20	1.00	-15104
B25.0C		-			
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	12.13	24	24	1.00	-15128
WALL					
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	4.59	10	10	1.00	-15138
321+50.00 SUITABLE					
Common Exc	0.54	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	338.16	712	712	1.00	-15849
S9.5C					
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	9.13	17	17	1.00	-15866
I19.0C		_			
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	9.52	18	18	1.00	-15884
B25.0C	0.00	0	0	1 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	15005
Fill WALL	10.74	21	21	1.00	-15905
	0 00	a	0	1.00	
Common Exc	0.00 0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0 0	0 0	1.00	
Fill	0.00	4	4	1.00	-15909
LIII	0.00	4	4	1.00	-15909
322+00.00 SUITABLE					
Common Exc	1.94	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
5455011 LAC	0.00	Ŭ	J		

Fill	276.00	569	569	1.00	-16476
S9.5C	0.00	۵	α	1 00	
Common Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subgrade Exc					
Subsoil Exc Fill	0.00	0	0 16	1.00	16402
I19.0C	8.50	16	16	1.00	-16492
Common Exc	0.00	a	a	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc	0.00 0.00	0 0	0 0	1.00	
Fill	7.63	16	16	1.00	-16508
	7.03	10	10	1.00	-10200
B25.0C	0 00	0	α	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
	0.00	0	0	1.00	16527
Fill	9.26	19	19	1.00	-16527
322+50.00 SUITABLE					
Common Exc	19.54	20	20	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	223.86	463	463	1.00	-16970
SHOULDERBORROW					
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	2.74	3	3	1.00	-16973
S9.5C					
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	7.34	15	15	1.00	-16988
I19.0C					
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	9.88	16	16	1.00	-17004
B25.0C					
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	32.85	39	39	1.00	-17043
323+00.00 SUITABLE					
Common Exc	17.73	35	35	1.00	
Subgrade Exc	0.00	35 0	35 0	1.00	
			_		
Subsoil Exc Fill	0.00	0 205	9 205	1.00 1.00	17402
SHOULDERBORROW	203.07	395	395	1.00	-17403
	0 00	a	Ω	1 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	2.75	5	5	1.00	-17408
S9.5C					
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	6.60	13	13	1.00	-17421
I19.0C					
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	8.90	17	17	1.00	-17438
B25.0C	0.30	1,	17	1.00	17430
	0.00	۵	0	1 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	29.67	58	58	1.00	-17496
323+50.00 SUITABLE					
Common Exc	17.40	33	33	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	157.06	333	333	1.00	-17796
SHOULDERBORROW	137.00	333	333	1.00	17750
	0.00	0	0	1 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	2.75	5	5	1.00	-17801
S9.5C					
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		12	12	1.00	-17813
	5.89	12	12	1.00	-1/613
I19.0C	0.00	•	•	4 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	7.94	16	16	1.00	-17829
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
					17001
Fill	26.56	52	52	1.00	-17881
224 LOO OO SUITTARI E					
324+00.00 SUITABLE Common Exc	17.67	วา	วา	1.00	
		32	32		
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	118.95	256	256	1.00	-18105

SHOULDERBORROW					
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	2.75	5	5	1.00	-18110
S9.5C					
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	5.17	10	10	1.00	-18120
I19.0C					
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	6.99	14	14	1.00	-18134
B25.0C					
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	23.46	46	46	1.00	-18180
224.50 00 CHTTARLE					
324+50.00 SUITABLE	17 24	22	22	1 00	
Common Exc	17.24	32 0	32 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00 0.00	0	0	1.00	
Subsoil Exc Fill	76.40	181	181	1.00	-18329
SHOULDERBORROW	70.40	101	101	1.00	-10323
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	2.76	5	5	1.00	-18334
S9.5C	24,70	J		2.00	2033.
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	4.58	9	9	1.00	-18343
I19.0C					
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	6.20	12	12	1.00	-18355
B25.0C					
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	20.90	41	41	1.00	-18396
225,00 00 CHTTARLE					
325+00.00 SUITABLE	15 70	21	21	1 00	
Common Exc	15.78	31	31	1.00	
Subgrade Exc	0.00	0	0	1.00	

	Subsoil Exc	0.00	0	0	1.00	
	Fill	63.05	129	129	1.00	-18494
	SHOULDERBORROW					
	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	2.74	5	5	1.00	-18499
	S9.5C					
	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	4.13	8	8	1.00	-18507
	I19.0C					
	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	5.60	11	11	1.00	-18518
	B25.0C					
	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	18.95	37	37	1.00	-18555
325+50.00	SUITABLE					
	Common Exc	15.62	29	29	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	43.83	99	99	1.00	-18625
	SHOULDERBORROW					
	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	4.17	6	6	1.00	-18631
	S9.5C					
	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	3.60	7	7	1.00	-18638
	I19.0C					
	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	4.89	10	10	1.00	-18648
	B25.0C		-			
	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	16.64	33	33	1.00	-18681

	Common Exc	16.99	30	30	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	35.58	74	74	1.00	-18725
	SHOULDERBORROW					
	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	5.49	9	9	1.00	-18734
	S9.5C	0.00		•	4 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	40744
	Fill	3.45	7	7	1.00	-18741
	I19.0C	0.00	0	0	1 00	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc Fill	0.00	0 9	0 9	1.00 1.00	10750
	B25.0C	4.70	9	9	1.00	-18750
	Common Exc	0.00	۵	a	1.00	
	Subgrade Exc	0.00	0 0	0 0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16.01	30	30	1.00	-18780
	1 111	10.01	30	30	1.00	10700
326+50.00	SUITABLE					
	Common Exc	22.13	36	36	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	11.33	43	43	1.00	-18787
	SHOULDERBORROW					
	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	5.49	10	10	1.00	-18797
	S9.5C					
	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	3.51	6	6	1.00	-18803
	I19.0C					
	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	4.77	9	9	1.00	-18812
	B25.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	405:-
	Fill	16.27	30	30	1.00	-18842

327+00.00 SUITABLE					
Common Exc	21.33	40	40	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7.43	17	17	1.00	-18819
SHOULDERBORROW					
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	5.50	10	10	1.00	-18829
S9.5C					
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	3.50	6	6	1.00	-18835
I19.0C					
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	4.76	9	9	1.00	-18844
B25.0C					
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	16.22	30	30	1.00	-18874
327+50.00 SUITABLE					
Common Exc	24.69	43	12	1.00	
Subgrade Exc	0.00	43 0	43 0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.94	10	10	1.00	-18841
SHOULDERBORROW	2.54	10	10	1.00	-10041
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	5.51	10	10	1.00	-18851
S9.5C	5.52			_,,,	
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	3.55	7	7	1.00	-18858
I19.0C					
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	4.83	9	9	1.00	-18867
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc	0.00	0	0	1.00	10007
Fill	16.46	30	30	1.00	-18897
328+00.00 SUITABLE					
Common Exc	19.49	41	41	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.36	4	4	1.00	-18860
SHOULDERBORROW					
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	5.51	10	10	1.00	-18870
S9.5C	0.00	0	•	1 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	10077
Fill I19.0C	3.49	7	7	1.00	-18877
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	4.74	9	9	1.00	-18886
B25.0C					
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	16.18	30	30	1.00	-18916
328+50.00 SUITABLE					
Common Exc	20.33	37	37	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.71	6	6	1.00	-18885
SHOULDERBORROW					
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	5.51	10	10	1.00	-18895
S9.5C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0 6	0	1.00	10001
I19.0C	3.43	O	6	1.00	-18901
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	4.67	9	9	1.00	-18910
B25.0C	,	2	,		10710
525.00					

Common Exc Subgrade Exc Subsoil Exc	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	19040
Fill	15.94	30	30	1.00	-18940
329+00.00 SUITABLE					
Common Exc	17.74	35	35	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	10011
Fill	5.47	9	9	1.00	-18914
SHOULDERBORROW	0.00	0	0	1 00	
Common Exc	0.00 0.00	0	0 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0 0	0	1.00	
Fill	5.51	10	10	1.00	-18924
S9.5C	3.31	10	10	1.00	-10724
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	3.33	6	6	1.00	-18930
I19.0C					
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	4.54	9	9	1.00	-18939
B25.0C					
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	15.51	29	29	1.00	-18968
329+50.00 SUITABLE					
Common Exc	17.73	33	33	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.32	9	9	1.00	-18944
SHOULDERBORROW		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	10054
Fill S9.5C	5.50	10	10	1.00	-18954
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	3.36	6	6	1.00	-18960
I19.0C	3.30	J	J		20000
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 B25.0C	4.57	8	8	1.00	-18968
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	40007
Fill	15.62	29	29	1.00	-18997
330+00.00 SUITABLE					
Common Exc	17.44	33	33	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.87	8	8	1.00	-18972
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	ø	1.00	
Fill		10	10	1.00	-18982
S9.5C	5.51	10	10	1.00	-10902
Common Exc	0 00	a	a	1.00	
	0.00	0	0		
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.35	6	6	1.00	-18988
I19.0C				4 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	4.56	8	8	1.00	-18996
B25.0C					
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	15.57	29	29	1.00	-19025
330+50.00 SUITABLE					
Common Exc	17.41	32	32	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	ø	1.00	
Fill	3.82	7	7	1.00	-19000
SHOULDERBORROW	3.02	,	,	1.00	-19000
Common Exc	0.00	a	a	1.00	
		0	0		
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.51	10	10	1.00	-19010
S9.5C					
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	3.35	6	6	1.00	-19016
I19.0C					
Common Exc	0.00	0	0	1.00	

Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 4.57	0 8	0 8	1.00 1.00	-19024
B25.0C	4.57	O	0	1.00	-17024
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	15.59	29	29	1.00	-19053
331+00.00 SUITABLE					
Common Exc	16.81	32	32	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.49	8	8	1.00	-19029
SHOULDERBORROW					
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	5.50	10	10	1.00	-19039
S9.5C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Fill	3.37	6	6	1.00	-19045
I19.0C	3.37	U	U	1.00	-19043
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
Fill	4.59	8	8	1.00	-19053
B25.0C					
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	15.69	29	29	1.00	-19082
331+50.00 SUITABLE					
Common Exc	16.92	31	31	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.79	6	6	1.00	-19057
SHOULDERBORROW		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	10067
Fill	5.53	10	10	1.00	-19067
S9.5C Common Exc	0 00	α	Ω	1 00	
Subgrade Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Fill	2.78	6	6	1.00	-19073
LITI	2.70	U	U	1.00	- 190/3

I19.0C						
Common Exc	0.0	0	0 (	1.00		
Subgrade Exc	0.0			1.00		
Subsoil Exc	0.0			1.00		
Fill	3.7			3 1.00	-19081	
B25.0C						
Common Exc	0.0	0	0 (	1.00		
Subgrade Exc	0.0	0	0 (	1.00		
Subsoil Exc	0.0	0	0 (	1.00		
Fill	13.0	2 2	7 2	7 1.00	-19108	
GRAND	S U	MMARY	TOTA	L S		
Material Name		Unadjusted	Adjusted	Mult		
			Volumes	Factor		
		(cu. yd.)	(cu. yd.)			
CUTTABLE						
SUITABLE	on Eve	641	641	1 00		
	ion Exc					
_	de Exc					
	il Exc		0			
	.11	17614	17614	1.00		
SHOULDERBORROW	_			4 00		
	on Exc					
	de Exc					
	il Exc					
	.11	153	153	1.00		
S9.5C						
	on Exc		0			
Subgra	ide Exc	0	0	1.00		
Subso	il Exc	0	0	1.00		
Fi	.11	352	352	1.00		
I19.0C						
Comm	on Exc	0	0	1.00		
Subgra	de Exc	0	0	1.00		
Subso	il Exc	0	0	1.00		
Fi	.11	459	459	1.00		
B25.0C						
Comm	on Exc	0	0	1.00		
	de Exc		0	1.00		
•	il Exc					
	.11	980				
WALL						
	on Exc	0	0	1.00		
	de Exc			1.00		
_	il Exc			1.00		
	.11 .11	191				
11	SPL		MMARY		ALS	
		-				
		XS Quant	XS Quant	Add/Sub	Quant Add/	Sub

Material Name Unadjusted Adjusted Unadjusted Adjusted

Quant

1	Mult			Volum	ne	Volu	me	Volu	me		Volu	me	
I	Factor								yd.)				
				` 		` 		`			•		
	SUITABLE												
0	1.00	Common			641		641			0			
0	1.00	Subgrade			0		0			0			
0	1.00	Subsoil			0		0			0			
0	1.00	Fill			17614		17614			0			
	SHOULDERBORROW	Common	Exc		0		0			0			
0	1.00	Subgrade	Exc		0		0			0			
0	1.00	Subsoil	Exc		0		0			0			
0	1.00	Fill			153		153			0			
0	1.00 S9.5C	6	<b>.</b>		0		0			•			
0	1.00	Common			0		0			0			
0	1.00	Subgrade			0		0			0			
0	1.00	Subsoil Fill	EXC		9		9			0			
0	1.00	LIII			352		352			0			
0	I19.0C 1.00	Common	Exc		0		0			0			
0	1.00	Subgrade	Exc		0		0			0			
0	1.00	Subsoil	Exc		0		0			0			
0	1.00	Fill			459		459			0			
J	B25.0C	Common	Fxc		0		0			0			
0	1.00	Subgrade			0		0			0			
0	1.00	Subsoil			0		0			0			
0	1.00	5455011	LAC		Ü		0			J			

		Fill		980	980	0
0	1.00					
	WALL					
		Common	Exc	0	0	0
0	1.00					
		Subgrade	Exc	0	0	0
0	1.00					
		Subsoil	Exc	0	0	0
0	1.00					
		Fill		191	191	0
0	1.00					

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW L Phase-2.inp
Output File: EW L Phase-2.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 xs dgn = HB0002_rdy_xsc_L_phase-2.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
      17
            17 lvname = Scratch Level 8
 1
 1
      18
            18
 1
      19
            19 Existing Ground Line
 1
      20
            20 soil type = Suitable
 1
            21 type = line, line string
      21
 1
      22
            22 lvname = Exist XS Ground Line
 1
      23
            23
            24 existing suitable material
 1
      24
 1
      25
            25 soil type = Suitable
            26 fill mult factor = 1.00
 1
      26
            27 type = line, line_string
 1
      27
            28 lvname = WEI XS Soil-Suitable
 1
      28
      29
 1
 1
      30
            30 existing suitable material
 1
      31
            31 soil type = Unsuitable
 1
      32
            32 fill mult factor = 1.00
 1
      33
            33 type = line, line string
            34 lvname = WEI XS Soil-Unsuitable
 1
      34
 1
      35
 1
      36
            36 existing suitable material
 1
      37
            37 soil type = UnsuitableMarginal
 1
      38
            38 fill mult factor = 1.00
 1
      39
            39 type = line, line_string
 1
      40
            40 lvname = WEI XS Soil-UnsuitableMarginal
 1
      41
            41
 1
      42
            42 existing suitable material
 1
            43 soil type = DDE
      43
 1
      44
            44 fill mult factor = 1.00
 1
      45
            45 type = line, line_string
            46 lvname = WEI XS Soil-DDE
 1
      46
 1
      47
            47
      48
            48 existing suitable material
```

```
1
     49
           49 soil type = UnsuitableDDE
           50 fill mult factor = 1.00
1
     50
1
     51
           51 type = line, line_string
           52 lvname = WEI XS Soil-UnsuitableDDE
1
     52
     53
1
           53
1
     54
           54 existing unsuitable material
           55 soil type = Undercut
1
     55
1
     56
           56 fill mult factor = 1.00
1
     57
           57 type = line, line string
1
     58
           58 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
           60 Proposed Undercut
1
     60
1
     61
           61 common exc only
           62 soil type = ShoulderBorrow
1
     62
           63 fill mult factor = 1.00
1
     63
1
     64
           64 type = line, line string
           65 lvname = Prop CMT Shoulder Borrow
1
     65
1
     66
           66
           67 Proposed Undercut
1
     67
1
     68
           68 soil type = Suitable
           69 fill mult factor = 1.00
1
           70 type = line, line string
1
     70
1
     71
           71 lvname = WEI XS Fill-Suitable
1
     72
           72
1
     73
           73 Proposed Undercut
           74 soil type = SelectMaterial
1
     74
1
     75
           75 fill mult factor = 1.00
           76 type = line, line string
1
     76
           77 lyname = WEI XS Fill-SelectMaterial
1
     77
     78
           78
1
     79
1
           79 Proposed Undercut
1
           80 common exc only
     80
1
     81
           81 \text{ soil type} = S9.5C
1
     82
           82 fill mult factor = 1.00
1
     83
           83 type = line, line_string
           84 lvname = Prop CMT Pvmt Course 1
1
     84
1
     85
           85
           86 Proposed Undercut
1
     86
1
     87
           87 common exc only
           88 soil type = I19.0C
1
     88
1
     89
           89 fill mult factor = 1.00
1
     90
           90 type = line, line_string
1
     91
           91 lvname = Prop CMT Pvmt Course 2
1
     92
           92
1
     93
           93 Proposed Undercut
1
     94
           94 common exc only
1
     95
           95 soil type = B25.0C
1
           96 fill mult factor = 1.00
     96
1
     97
           97 type = line, line_string
     98
           98 lvname = Prop CMT Pvmt Course 3
```

```
1
     99
            99
 1
     100
           100 excavation limits
     101
           101 lvname = Prop XS Exc Vertical Line 1
 1
 1
     102
           102 \text{ type} = \text{line}
     103
 1
           103
 1
     104
           104 Write Earthwork Shapes
     105
           105 plot param
 1
           106 lvname = WEI XS Earthwork
     106
 1
 1
     107
           107 Stratify Shape Color
     108
 1
           108
           109 vertical search distance = 200
 1
     109
 1
     110
 1
     111
           111 /*calculate only between excavation limits*/
 1
     112
 1
     113
           113 End Area Decimal Places = 2
 1
     114
           114
           115 write column base ascii file =
 1
     115
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\02-L-Phase2-30700-31600.txt
 1
     116
 1
     117
           117 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
voll
           118 column 1 number of decimal place = 0
 1
     118
           119 column 1 total length = 10
 1
     119
     120
 1
           120
           121 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
     121
           122 column 2 number of decimal place = 0
 1
     122
           123 column 2 total length = 10
 1
     123
 1
     124
           125 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
     125
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           126 column 3 number of decimal place = 0
 1
     126
 1
     127
           127 column 3 total length = 10
 1
     128
           128
     129
           129 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
 1
     130
           130 column 4 number of decimal place = 0
 1
 1
     131
           131 column 4 total length = 10
     132
 1
           132
 1
     133
           133 column 5 formula = ["SHOULDERBORROW", Fill, end area]
           134 column 5 number of decimal place = 2
 1
     134
 1
     135
           135 column 5 total length = 10
     136
 1
           136
           137 column 6 formula = ["S9.5C", Fill, End Area]
 1
     137
     138
           138 column 6 number of decimal place = 2
 1
     139
           139 column 6 total length = 10
 1
 1
     140
           140
     141
           141 column 7 formula = ["I19.0C", Fill, End Area]
 1
           142 column 7 number of decimal place = 2
 1
     142
     143
           143 column 7 total length = 10
 1
     144
           144
```

```
1
     145
           145 column 8 formula = ["B25.0C", Fill, End Area]
           146 column 8 number of decimal place = 2
 1
     146
 1
     147
           147 column 8 total length = 10
 1
     148
           148
     149
           149 Process Earthwork for Baseline = L
 1
 1
     150
           150 job number = rdy
     151
 1
           151
 1
     152
           152 \text{ beg sta} = 307+00.00
 1
     153
           153 end sta = 316+00.00
     154
 1
           154
           155 write column base ascii file =
 1
     155
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\02-L-Phase2-31600-32800.txt
     156
 1
           156
           157 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     157
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
 1
     158
           158 column 1 number of decimal place = 0
 1
     159
           159 column 1 total length = 10
 1
     160
           160
 1
     161
           161 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
     162
           162 column 2 number of decimal place = 0
 1
     163
           163 column 2 total length = 10
 1
     164
           164
           165 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
     165
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           166 column 3 number of decimal place = 0
     166
 1
 1
     167
           167 column 3 total length = 10
 1
     168
           168
 1
     169
           169 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
           170 column 4 number of decimal place = 0
 1
     170
           171 column 4 total length = 10
 1
     171
 1
     172
           172
           173 column 5 formula = ["SHOULDERBORROW", Fill, end area]
 1
     173
 1
     174
           174 column 5 number of decimal place = 2
 1
     175
           175 column 5 total length = 10
     176
 1
           176
 1
     177
           177 column 6 formula = ["S9.5C", Fill, End Area]
           178 column 6 number of decimal place = 2
     178
 1
 1
     179
           179 column 6 total length = 10
 1
     180
           180
 1
     181
           181 column 7 formula = ["I19.0C", Fill, End Area]
     182
           182 column 7 number of decimal place = 2
 1
           183 column 7 total length = 10
 1
     183
     184
 1
           184
     185
           185 column 8 formula = ["B25.0C", Fill, End Area]
 1
 1
     186
           186 column 8 number of decimal place = 2
     187
           187 column 8 total length = 10
 1
 1
     188
           188
 1
     189
           189 Process Earthwork for Baseline = L
     190
           190 job number = rdy
```

```
1
    191
          191
 1
    192
          192 beg sta = 316+00.00
1
    193
          193 end sta = 328+00.00
1
    194
          194
 1
    195
          195
 1
    196
          196
 1
    197
          197
 1
     198
          198
 1
     199
          199
 1
     200
          200
 1
     201
          201
0
      0
          202 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name End Areas Unadjusted Adjusted
S-
```

Station			Volumes	Volumes	Factor	Ordinate
		(sq. ft.)	(cu. yd.)	(cu. yd.)		
 307+00.0	 0 SUITABLE					
	Common Exc	0.29	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
	S9.5C					
	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	0.61	0	0	1.00	0
307+50.0	0 SUITABLE					
	Common Exc	0.23	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
	S9.5C					
	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	0.58	1	1	1.00	-1
308+00.0	0 SUITABLE					
	Common Exc	0.25	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	-1
	S9.5C					
	Common Exc	0.00	0	0	1.00	

Mult Mass

			_		
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.58	1	1	1.00	-2
308+50.00 SUITABLE					
Common Exc	2.65	3	3	1.00	
			9		
Subgrade Exc	0.00	0		1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1
S9.5C					
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	1.27	2	2	1.00	-1
1111	1.27	2	2	1.00	-1
200.00 00 CHTTARLE					
309+00.00 SUITABLE	2 20	_	_	4 00	
Common Exc	3.38	6	6	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	5
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00		0	1.00	
		0			2
Fill	1.58	3	3	1.00	2
309+50.00 SUITABLE					
Common Exc	4.85	8	8	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	10
S9.5C	0.00	Ü	Ū	2.00	
Common Exc	0 00	0	ο	1 00	
	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.00	3	3	1.00	7
310+00.00 SUITABLE					
Common Exc	4.99	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill					16
	0.00	0	0	1.00	16
S9.5C			•		
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	2.50	4	4	1.00	12
310+50.00 SUITABLE					
Common Exc	2.37	7	7	1.00	
Common LXC	٠. ١	,	,	1.00	

Subgrade	Exc	0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi]		0.00	0	0	1.00	19
S9.5C				J		
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil	Exc	0.00	0	0	1.00	
Fil	11	3.11	5	5	1.00	14
311+00.00 SUITABLE						
Common	Fyc	0.52	3	3	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
5005011 Fi]						17
S9.5C	LI	0.00	0	0	1.00	17
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi]		6.49	9	9	1.00	8
I19.0C		0.15		_	1.00	J
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi]	11	0.68	1	1	1.00	7
244.50.00 CUTTABLE						
311+50.00 SUITABLE	<b>-</b>	4 57	2	_	1 00	
Common		1.57	2	2	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi]	11	0.00	0	0	1.00	9
S9.5C						
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil	Exc	0.00	0	0	1.00	
Fi]	11	8.06	13	13	1.00	-4
I19.0C						
Common		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil	Exc	0.00	0	0	1.00	
Fi]	11	4.85	5	5	1.00	-9
B25.0C						
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi]		2.03	2	2	1.00	-11
212.00 00 CUTTARIE						
312+00.00 SUITABLE	Eve	2 12	2	2	1 00	
Common		2.12	3	3	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil	EXC	0.00	0	0	1.00	

Fill	0.00	0	0	1.00	-8
SHOULDERBORROW	0.00	O	0	1.00	-0
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	1.99	2	2	1.00	-10
S9.5C	_,,,,	_	_	_,,,	
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	9.53	16	16	1.00	-26
I19.0C					
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	8.49	12	12	1.00	-38
B25.0C					
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	12.85	14	14	1.00	-52
312+50.00 SUITABLE					
Common Exc	0.16	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.17	3	3	1.00	-53
SHOULDERBORROW					
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	0.00	2	2	1.00	-55
S9.5C					
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	9.39	18	18	1.00	-73
I19.0C					
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	12.48	19	19	1.00	-92
B25.0C					
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	22.74	33	33	1.00	-125
242 00 00 0177777					
313+00.00 SUITABLE	2 22	•	_	4 0-	
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	12.06	14	14	1.00	-139
S9.5C				_,,,	
Common Exc	0.00	0	0	1.00	
	0.00	0	0	1.00	
Subgrade Exc					
Subsoil Exc	0.00	0	0	1.00	
Fill	9.09	17	17	1.00	-156
I19.0C					
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	12.32	23	23	1.00	-179
B25.0C	12.52	23	23	1.00	1/3
	0 00	0	0	1 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	33.40	52	52	1.00	-231
313+50.00 SUITABLE					
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	41.32	49	49	1.00	-280
	41.32	49	49	1.00	-200
S9.5C	0.00	•	0	1 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	9.08	17	17	1.00	-297
I19.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
					220
Fill	12.30	23	23	1.00	-320
B25.0C				4 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	29.05	58	58	1.00	-378
314+00.00 SUITABLE					
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		119		1.00	-497
	87.33	117	119	1.00	-43/
S9.5C	0.00	^	^	1 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	9.07	17	17	1.00	-514

I19.0C					
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	12.29	23	23	1.00	-537
B25.0C					
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	15.67	41	41	1.00	-578
314+50.00 SUITABLE					
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	123.97	196	196	1.00	-774
S9.5C					
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	9.07	17	17	1.00	-791
I19.0C					
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	12.28	23	23	1.00	-814
B25.0C	0.00	•	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0 29	0 29	1.00 1.00	-843
FIII	15.67	29	29	1.00	-043
315+00.00 SUITABLE					
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	150.27	254	254	1.00	-1097
S9.5C				4 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	9.06	17	17	1.00	-1114
I19.0C	0 00	0	a	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0 22	0	1.00	1177
B25.0C	12.28	23	23	1.00	-1137
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Jubgi aue LXC	0.00	U	U	1.00	

	Subsoil Exc	0.00	0	0	1.00	
	Fill	15.66	29	29	1.00	-1166
315+50.00	SUITABLE					
	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	536.35	636	636	1.00	-1802
	S9.5C				_,,,	
	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	9.06	17	17	1.00	-1819
	I19.0C	2.00	_,			1013
	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	12.28	23	23	1.00	-1842
	B25.0C	12.20	23		1.00	1012
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	ø	0	1.00	
	Fill	15.66	29	29	1.00	-1871
	, 111	13.00	23	23	1.00	1071
316+00.00	SUTTARI F					
310.00.00	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	ø	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	129.08	616	616	1.00	-2487
	S9.5C	123.00	010	010	1.00	2107
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	ø	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9.06	17	17	1.00	-2504
	I19.0C	3.00	17	Δ,	1.00	2504
	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	12.28	23	23	1.00	-2527
	B25.0C	12.20	23	23	1.00	2327
	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	15.66	29	29	1.00	-2556
•	GRAND	SUMM		0 T A L S		-2330
T	Material Name		djusted Adju		ılt	
	mater tal Name	Volu	-		ictor	
			yd.) (cu.		ic cor	
		(cu.	yu.) (cu.	yu.)		
- <b></b>	<b> </b>	<b></b>		·	<b>-</b>	

SUITABLE

		Common	Exc		43		43	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill	-/-		1887		1887	1.00		
	SHOULDERBORROW				2007			2.00		
	5	Common	Exc		0		0	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill	-/-		4		4	1.00		
	S9.5C				·		•	_,,,		
		Common	Exc		0		0	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill			194		194	1.00		
	I19.0C							_,,,		
		Common	Exc		0		0	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill	-//-		198		198	1.00		
	B25.0C				130		130	1.00		
	22000	Common	Fxc		0		0	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill	LAC		316		316	1.00		
<b>^</b>			P L	тт		мма		T 0 T A	1 5	
		<b>.</b>	_		5 0	/				
				XS Q	uant	XS Ou	uant	Add/Sub Qua	nt Add/Su	ıb
Qua	int			·		·		, ,	,	
·	Material	Name		Unad	justed	Adjus	sted	Unadjusted	Adjust	ed
M	lult			•	,	3		J	J	
				Volu	ne	Volum	ne	Volume	Volume	غ
F	actor									
				(cu.	yd.)	(cu.	yd.)	(cu. yd.)	(cu. y	/d.)
				`	, ,	`	,	` , ,	` ,	,
	SUITABLE									
		Common	Exc		43		43		0	
0	1.00									
		Subgrade	Exc		0		0		0	
0	1.00									
		Subsoil	Exc		0		0		0	
0	1.00									
		Fill			1887		1887		0	
0	1.00									
	SHOULDERBORROW									
		Common	Exc		0		0		0	
0	1.00									
		Subgrade	Exc		0		0		0	
0	1.00	-								

•	1 00	Subsoil	Exc	0	0		0
0	1.00	Fill		4	4		0
0	1.00 S9.5C						
		Common	Exc	0	0		0
0	1.00	Subgrade	Exc	0	0		0
0	1.00	Subsoil	Exc	0	0		0
0	1.00	Fill		194	194		0
0	1.00			194	194		Ø
	I19.0C	Common	Exc	0	0		0
0	1.00	Subgrade	Evc	0	0		0
0	1.00						
0	1.00	Subsoil	Exc	0	0		0
0	1.00	Fill		198	198		0
Ū	B25.0C		<b>5</b>	0	0		0
0	1.00	Common		0	0		0
0	1.00	Subgrade	Exc	0	0		0
0	1.00	Subsoil	Exc	0	0		0
		Fill		316	316		0
0 <b>↑</b>	1.00	BALANCE	Р	OINT	SUMMA	R Y	
Mu1	t	Material Name		Cumula	tive	Increme	ental
				Unadjusted	Adjusted	Unadjusted	Adjusted
rac	tor					Volumes	
				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
 S	 station = 30						
	SUITAB	LE Common	Exc	5	5	5	5
1.0	00	Subgrade		0	0	0	0
1.0	10	_					
1.0	10	Subsoil	Exc	0	0	0	0
1.0	10	Fill		0	0	0	0
1.0	. •						

			 		_	 _
1	II	ısı	 	ıΛ	ĸ	_

	UNSULTABLE	_				
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLEMARGINAL					
4 00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00			ŭ	Ü	ŭ	Ü
	DDE Common	Fxc	0	0	0	0
1.00						
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00			ŭ	v	·	ŭ
	UNSUITABLEDDE Common	Fxc	0	0	0	0
1.00						
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNDERCUT					
	Common	Exc	0	0	0	0
1.00	Subgrade	Fxc	0	0	0	0
1.00						
1.00	Subsoil	EXC	0	0	0	0
1.00	Fill		0	0	0	0
	SHOULDERBORROW	_	_	_	_	_
1.00	Common	Exc	0	0	0	0
	Subgrade	Exc	0	0	0	0
1.00						

	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	SELECTMATERIAL					
4 00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil		0	0	0	0
1.00		LAC				
1.00	Fill		0	0	0	0
	S9.5C Common	Exc	0	0	0	0
1.00						
1.00	Subgrade		0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		5	5	5	5
1.00	I19.0C					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	B25.0C					
1 00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00			O	0	ð	O
Stati	on = 311+19.44 SUITABLE					
1.00	Common	Exc	37	37	32	32
	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	. 111		•	-	-	ŭ

			 		_	 _
1	II	ısı	 	ıΛ	ĸ	_

	UNSULTABLE	_				
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLEMARGINAL					
4 00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00			ŭ	Ü	ŭ	Ü
	DDE Common	Fxc	0	0	0	0
1.00						
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00			ŭ	v	·	ŭ
	UNSUITABLEDDE Common	Fxc	0	0	0	0
1.00						
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNDERCUT					
	Common	Exc	0	0	0	0
1.00	Subgrade	Fxc	0	0	0	0
1.00						
1.00	Subsoil	EXC	0	0	0	0
1.00	Fill		0	0	0	0
	SHOULDERBORROW	_	_	_	_	_
1.00	Common	Exc	0	0	0	0
	Subgrade	Exc	0	0	0	0
1.00						

	Subsoil	Exc	0	0	0	0				
1.00	Fill		0	0	0	0				
1.00	SELECTMATERIAL									
1.00	Common	Exc	0	0	0	0				
	Subgrade	Exc	0	0	0	0				
1.00	Subsoil	Exc	0	0	0	0				
1.00	Fill		0	0	0	0				
1.00	S9.5C									
1.00	Common	Exc	0	0	0	0				
	Subgrade	Exc	0	0	0	0				
1.00	Subsoil	Exc	0	0	0	0				
1.00	Fill		33	33	28	28				
1.00	I19.0C									
1.00	Common	Exc	0	0	0	0				
	Subgrade	Exc	0	0	0	0				
1.00	Subsoil	Exc	0	0	0	0				
1.00	Fill		3	3	3	3				
1.00	B25.0C									
1.00	Common	Exc	0	0	0	0				
	Subgrade	Exc	0	0	0	0				
1.00	Subsoil	Exc	0	0	0	0				
1.00	Fill		1	1	1	1				
COMPUTI FORMING	COMPUTING EARTHWORKS FOR BASELINE = L COMPUTING EARTHWORKS FOR JOB = RDY FORMING LIST OF XSCELLS BEGINNING EARTHWORKS COMPUTATION									
Station	Material Name End	Areas			Mult Mass Factor Ordinate					
Scacton		. ft.)	(cu. yd.)		ractor orumate					
316+0	0.00 SUITABLE									

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	129.08	0	0	1.00	0
S9.5C					
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	9.06	0	0	1.00	0
I19.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	12.28	0	0	1.00	0
B25.0C	12.20	V	U	1.00	U
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	15.66	0	0	1.00	0
316+50.00 SUITABLE		_	_		
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	979.73	1027	1027	1.00	-1027
S9.5C					
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	9.06	17	17	1.00	-1044
I19.0C	2.00	_,	_,	_,,,	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc			0		
	0.00	0		1.00	1067
Fill	12.28	23	23	1.00	-1067
B25.0C	0.00	0	0	1 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	15.66	29	29	1.00	-1096
317+00.00 SUITABLE			_		
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	191.06	1084	1084	1.00	-2180
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
2230022 270	<del>-</del>	-	•	<del>-</del>	

Fill I19.0C	9.07	17	17	1.00	-2197
Common Exc	0.00	0	0	1.00	
				1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	12.28	23	23	1.00	-2220
B25.0C					
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	15.67	29	29	1.00	-2249
217.E0 00 CHTTADLE					
317+50.00 SUITABLE	0.00	0	0	1 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	168.95	333	333	1.00	-2582
S9.5C					
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	9.07	17	17	1.00	-2599
I19.0C	3.07	17	1,	1.00	2333
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	12.29	23	23	1.00	-2622
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
				1.00	
Subsoil Exc	0.00	0	0		2651
Fill	15.67	29	29	1.00	-2651
318+00.00 SUITABLE					
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	147.97	293	293	1.00	-2944
S9.5C	, ,,,,			_,,,	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
					2061
Fill	9.07	17	17	1.00	-2961
I19.0C	2.22	•	_	4 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	12.29	23	23	1.00	-2984
B25.0C					
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	15.68	29	29	1.00	-3013
318+50.00 SUITABLE					
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	120.06	248	248	1.00	-3261
S9.5C				_,,,	5-0-
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	9.08	17	17	1.00	-3278
I19.0C	3.00	-,	-,	1.00	3270
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.30	23	23	1.00	-3301
B25.0C	12.50	23	23	1.00	3301
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	15.68	29	29	1.00	-3330
319+00.00 SUITABLE					
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	92.60	197	197	1.00	-3527
S9.5C				_,,,	
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	9.08	17	17	1.00	-3544
I19.0C					
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	12.30	23	23	1.00	-3567
B25.0C					
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	15.69	29	29	1.00	-3596
319+50.00 SUITABLE					
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	71.14	152	152	1.00	-3748
S9.5C	0.00	0	•	1 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	2765
Fill	9.09	17	17	1.00	-3765
I19.0C	0.00	0	٥	1 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	2700
Fill	12.31	23	23	1.00	-3788
B25.0C	0.00	0	٥	1 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	2017
Fill	15.70	29	29	1.00	-3817
320+00.00 SUITABLE					
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	17.88	82	82	1.00	-3899
S9.5C					
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	9.09	17	17	1.00	-3916
I19.0C					
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	12.32	23	23	1.00	-3939
B25.0C					
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	50.44	61	61	1.00	-4000
320+50.00 SUITABLE					
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	18.98	34	34	1.00	-4034
S9.5C	10.90	54	34	1.00	-4034
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	9.10	17	17	1.00	-4051
I19.0C	9.10	1/	1/	1.00	-4621
Common Exc	0.00	0	0	1.00	
COMMINITE EXC	0.00	Ø	v	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.33	23	23	1.00	-4074
B25.0C					
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	41.70	85	85	1.00	-4159
321+00.00 SUITABLE					
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	16.93	33	33	1.00	-4192
S9.5C					
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	9.52	17	17	1.00	-4209
I19.0C					
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	12.89	23	23	1.00	-4232
B25.0C	0.00	•	•	4 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	4200
Fill	41.44	77	77	1.00	-4309
321+50.00 SUITABLE					
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	25.79	40	40	1.00	-4349
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4266
Fill	9.11	17	17	1.00	-4366
I19.0C	0.00	0	0	1 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	4200
Fill	12.35	23	23	1.00	-4389
B25.0C Common Exc	0.00	0	ρ	1.00	
Subgrade Exc	0.00	0	0 0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	32.04	68	68	1.00	-4457
LIII	JZ.04	UO	00	1.00	-443/

322+00.00 SUITABLE					
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	28.82	51	51	1.00	-4508
S9.5C					
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	9.12	17	17	1.00	-4525
I19.0C					
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	12.36	23	23	1.00	-4548
B25.0C					
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	27.80	55	55	1.00	-4603
222.50.00.00.50					
322+50.00 SUITABLE	7 70	7	7	1 00	
Common Exc	7.79	7	7	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 32.60	0 57	0 57	1.00 1.00	-4653
S9.5C	32.00	57	57	1.00	-4033
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	9.13	17	17	1.00	-4670
I19.0C					
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	12.37	23	23	1.00	-4693
B25.0C					
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	24.86	49	49	1.00	-4742
323+00.00 SUITABLE					
Common Exc	8.14	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
Fill	39.23	67	67	1.00	-4794
S9.5C	_		-		
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	9.10	17	17	1.00	-4811
I19.0C	2.20	=7		_,,,	
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	12.23	23	23	1.00	-4834
B25.0C					
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	20.80	42	42	1.00	-4876
323+50.00 SUITABLE					
Common Exc	6.52	14	14	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	43.21	76	76	1.00	-4938
S9.5C					
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	8.40	16	16	1.00	-4954
I19.0C					
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	10.33	21	21	1.00	-4975
B25.0C	0.00	•	•	4 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	F006
Fill	13.06	31	31	1.00	-5006
324+00.00 SUITABLE					
Common Exc	9.25	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.77	63	63	1.00	-5054
SHOULDERBORROW					
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	5.46	5	5	1.00	-5059
S9.5C	0.00	^	•	1 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	F072
Fill	6.63	14	14	1.00	-5073

I19.0C					
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	8.46	17	17	1.00	-5090
B25.0C					
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	28.24	38	38	1.00	-5128
324+50.00 SUITABLE					
Common Exc	9.84	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.60	42	42	1.00	-5152
SHOULDERBORROW					
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	5.45	10	10	1.00	-5162
S9.5C				4 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	F472
Fill I19.0C	5.46	11	11	1.00	-5173
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	6.87	14	14	1.00	-5187
B25.0C	0.07			1.00	3107
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	23.07	48	48	1.00	-5235
325+00.00 SUITABLE					
Common Exc	9.91	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	25.03	42	42	1.00	-5259
SHOULDERBORROW					
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	5.45	10	10	1.00	-5269
S9.5C					
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	4.34	9	9	1.00	-5278
I19.0C					
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	5.35	11	11	1.00	-5289
B25.0C	3.33			1.00	3203
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	18.11	38	38	1.00	-5327
325+50.00 SUITABLE					
Common Exc	11.99	20	20	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.26	35	35	1.00	-5342
SHOULDERBORROW	13.20	33	33	1.00	JJ-12
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	5.44	10	10	1.00	-5352
S9.5C	J. <del>44</del>	10	10	1.00	- 5552
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	5350
Fill	3.43	7	7	1.00	-5359
I19.0C					
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	4.19	9	9	1.00	-5368
B25.0C					
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	14.34	30	30	1.00	-5398
				_,,,	3320
326+00.00 SUITABLE					
Common Exc	12.74	23	23	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.73	16	16	1.00	-5391
SHOULDERBORROW					
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	5.45	10	10	1.00	-5401
S9.5C	J• <del>4</del> J	10	10	1.00	7401
37.30					

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	2.57	6	6	1.00	-5407
	2.57	0	0	1.00	-3407
I19.0C					
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	2.98	7	7	1.00	-5414
B25.0C		-		_,,,	
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	10.42	23	23	1.00	-5437
326+50.00 SUITABLE					
Common Exc	14.64	25	25	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.01	3	3	1.00	-5415
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
					E 40E
Fill	5.44	10	10	1.00	-5425
S9.5C			•	4 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	1.92	4	4	1.00	-5429
I19.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00			1.00	
		0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	2.06	5	5	1.00	-5434
B25.0C	0.00	•	•	4 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	7.44	17	17	1.00	-5451
327+00.00 SUITABLE	0.45	22	22	4 00	
Common Exc	9.15	22	22	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-5429
SHOULDERBORROW					
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	5.26	10	10	1.00	-5439
S9.5C					
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	1.50	3	3	1.00	-5442
I19.0C					
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	1.54	3	3	1.00	-5445
B25.0C					
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	5.73	12	12	1.00	-5457
327+50.00 SUITABLE					
Common Exc	8.39	16	16	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-5441
SHOULDERBORROW					
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	4.53	9	9	1.00	-5450
S9.5C					
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	1.24	3	3	1.00	-5453
I19.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	1.20	3	3	1.00	-5456
B25.0C	1.10	J		2.00	3.30
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	4.62	10	10	1.00	-5466
328+00.00 SUITABLE					
Common Exc	8.11	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	0.00	0	0	1.00	-5451
SHOULDERBORROW	0.00	J	U	1.00	J-7J-1
Common Exc	0.00	0	0	1.00	
COMMINIT EXC	0.00	U	v	1.00	

Subgrade	Exc	0.00	9 (	9	0 1	.00	
Subsoil	Exc	0.00	9 (	9	0 1	.00	
Fil	1	4.5	5	8	8 1	.00	-5459
S9.5C							
Common	Exc	0.00	9	9	0 1	.00	
Subgrade	Exc	0.00	9	9	0 1	.00	
Subsoil	Exc	0.00	9	9	0 1	.00	
Fil	1	1.19	5 :	2	2 1	.00	-5461
I19.0C							
Common	Exc	0.00	9 (	9	0 1	.00	
Subgrade	Exc	0.00	9	9	0 1	.00	
Subsoil		0.00	9 (	9	0 1	.00	
Fil	1	1.10			2 1	.00	-5463
B25.0C							
Common	Exc	0.00	9 (	9	0 1	.00	
Subgrade	Exc	0.00	9 (			.00	
Subsoil		0.00				.00	
Fil		4.32					-5471
			MMARY	TOTA			
Material			Unadjusted				
			Volumes	-	Fact		
				(cu. yd.)			
SUITABLE							
	Common	Exc	208	208	1.	00	
	Subgrade	Exc	0	0	1.	00	
	Subsoil		0	0		00	
	Fill		3975	3975	1.	00	
SHOULDERBORROW							
	Common	Exc	0	0	1.	00	
	Subgrade	Exc	0	0	1.	00	
	Subsoil		0	0	1.	00	
	Fill		82	82	1.	00	
S9.5C							
	Common	Exc	0	0	1.	00	
	Subgrade	Exc	0	0		00	
	Subsoil		0	0		00	
	Fill		313	313		00	
I19.0C							
	Common	Exc	0	0	1.	00	
	Subgrade		0	0		00	
	Subsoil		0	0		00	
	Fill		414	414		00	
B25.0C							
	Common	Exc	0	0	1.	00	
	Subgrade		0	9		00	
	Subsoil		0	é		00	
	Fill		895	895		00	
		P L		MMARY		ГОТА	LS
	•		- •	· · · ·	•	· ·	-

0					XS Qu	uant	XS Q	uant	Add/S	Sub Qua	nt	Add/Sub
Qua		Material N	lame		Unad	justed	Adju	sted	Unadj	justed		Adjusted
	Mult				Volum	ne	Volu	ne	Volum	ie		Volume
F	actor				(cu.	yd.)	(cu.	yd.)	(cu.	yd.)		(cu. yd.)
	SUITA	ABLE										
0	1.00		Common	Exc		208		208			0	
0	1.00		Subgrade	Exc		0		0			0	
			Subsoil	Exc		0		0			0	
0	1.00		Fill			3975		3975			0	
0	1.00 SHOUL	.DERBORROW										
0	1.00		Common	Exc		0		0			0	
0	1.00		Subgrade	Exc		0		0			0	
			Subsoil	Exc		0		0			0	
0	1.00		Fill			82		82			0	
0	1.00 S9.50											
0	1.00		Common	Exc		0		0			0	
0	1.00		Subgrade	Exc		0		0			0	
			Subsoil	Exc		0		0			0	
0	1.00		Fill			313		313			0	
0	1.00 I19.0	)C										
0	1.00		Common	Exc		0		0			0	
0	1.00		Subgrade	Exc		0		0			0	
			Subsoil	Exc		0		0			0	
0	1.00		Fill			414		414			0	
0	1.00 B25.0	OC .										
0	1.00		Common	Exc		0		0			0	
J	1.00		Subgrade	Exc		0		0			0	

0	1.00				
		Subsoil Exc	0	0	0
0	1.00				
		Fill	895	895	0
0	1.00				

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW L Phase-3.inp
Output File: EW L Phase-3.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 xs dgn = HB0002_rdy_xsc_L_phase-3.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5C
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = I19.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = B25.0C
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Pvmt Course 3
     100
 1
           100
 1
     101
           101 Proposed Undercut
 1
     102
           102 common exc only
     103
           103 soil type = ABC
 1
           104 fill mult factor = 1.00
 1
     104
     105
           105 type = line,line_string
 1
     106
           106 lvname = Prop CMT Pvmt Course 4
 1
 1
     107
           107
     108
           108 Proposed Undercut
 1
           109 common exc only
 1
     109
           110 soil type = Wall
 1
     110
 1
     111
           111 fill mult factor = 1.00
 1
     112
           112 type = line, line string
 1
     113
           113 lvname = Prop CMT Concrete Wall
 1
     114
           114
 1
     115
           115 excavation limits
 1
     116
           116 lvname = Prop XS Exc Vertical Line 1
 1
     117
           117 \text{ type} = \text{line}
 1
     118
           118
 1
     119
           119 Write Earthwork Shapes
 1
     120
           120 plot param
 1
           121 lvname = WEI XS Earthwork
     121
           122 Stratify Shape Color
 1
     122
     123
 1
           123
 1
     124
           124 vertical search distance = 200
 1
     125
           125
           126 /*calculate only between excavation limits*/
 1
     126
 1
     127
           127
           128 End Area Decimal Places = 2
 1
     128
     129
 1
           129
     130
           130 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\03-L-Phase3-30300-31650.txt
 1
     131
           131
     132
           132 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
voll
           133 column 1 number of decimal place = 0
 1
     133
 1
     134
           134 column 1 total length = 10
 1
     135
           135
 1
     136
           136 column 2 formula = ["SUITABLE", Fill, unadj vol]
     137
           137 column 2 number of decimal place = 0
 1
           138 column 2 total length = 10
 1
     138
     139
 1
           139
           140 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
     140
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           141 column 3 number of decimal place = 0
 1
     141
           142 column 3 total length = 10
 1
     142
     143
 1
     144
           144 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
```

```
1
     145
           145 column 4 number of decimal place = 0
     146
           146 column 4 total length = 10
 1
     147
 1
           147
           148 column 5 formula = ["SHOULDERBORROW", Fill, end area]
 1
     148
     149
           149 column 5 number of decimal place = 2
 1
 1
     150
           150 column 5 total length = 10
     151
 1
           151
           152 column 6 formula = ["S9.5C", Fill, End Area]
     152
 1
           153 column 6 number of decimal place = 2
 1
     153
     154
           154 column 6 total length = 10
 1
 1
     155
           155
           156 column 7 formula = ["I19.0C", Fill, End Area]
 1
     156
 1
     157
           157 column 7 number of decimal place = 2
           158 column 7 total length = 10
 1
     158
     159
 1
           159
 1
     160
           160 column 8 formula = ["B25.0C", Fill, End Area]
           161 column 8 number of decimal place = 2
 1
     161
 1
     162
           162 column 8 total length = 10
 1
     163
           163
           164 column 9 formula = ["ABC", Fill, End Area]
 1
     164
           165 column 9 number of decimal place = 2
 1
     165
 1
     166
           166 column 9 total length = 10
 1
     167
           167
           168 Process Earthwork for Baseline = L
 1
     168
           169 job number = rdy
 1
     169
 1
     170
           170
 1
     171
           171 beg sta = 303+00.00
 1
     172
           172 \text{ end sta} = 316+50.00
 1
     173
     174
           174 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\03-L-Phase3-31650-33150.txt
     175
           175
           176 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     176
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           177 column 1 number of decimal place = 0
 1
     177
 1
     178
           178 column 1 total length = 10
     179
           179
 1
 1
     180
           180 column 2 formula = ["SUITABLE", Fill, unadj vol]
           181 column 2 number of decimal place = 0
     181
 1
 1
     182
           182 column 2 total length = 10
     183
 1
           184 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
     184
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           185 column 3 number of decimal place = 0
     185
 1
     186
           186 column 3 total length = 10
     187
 1
           187
           188 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
 1
     188
           189 column 4 number of decimal place = 0
 1
     189
     190
           190 column 4 total length = 10
```

```
192 column 5 formula = ["SHOULDERBORROW", Fill, end area]
1
    192
    193
          193 column 5 number of decimal place = 2
1
          194 column 5 total length = 10
1
    194
    195
1
          195
1
    196
          196 column 6 formula = ["S9.5C", Fill, End Area]
          197 column 6 number of decimal place = 2
    197
1
    198
          198 column 6 total length = 10
1
1
    199
          199
          200 column 7 formula = ["I19.0C", Fill, End Area]
    200
1
          201 column 7 number of decimal place = 2
1
    201
          202 column 7 total length = 10
1
    202
1
    203
          203
    204
          204 column 8 formula = ["B25.0C", Fill, End Area]
1
          205 column 8 number of decimal place = 2
1
    205
          206 column 8 total length = 10
1
    206
    207
1
          207
1
    208
          208 column 9 formula = ["ABC", Fill, End Area]
          209 column 9 number of decimal place = 2
1
    209
1
    210
          210 column 9 total length = 10
1
    211
1
    212
          212 Process Earthwork for Baseline = L
          213 job number = rdy
1
    213
    214
1
          214
1
    215
          215 beg sta = 316+50.00
1
    216
          216 \text{ end sta} = 331+50.00
1
    217
          217
1
    218
          218
1
    219
          219
1
    220
         220
1
    221
        221
1
    222
         222
1
    223
          223
      0
          224 END OF FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name End Areas Unadjusted Adjusted
                                                          Mult Mass
                                                          Factor Ordinate
Station
                                     Volumes Volumes
                           (sq. ft.) (cu. yd.) (cu. yd.)
303+00.00 SUITABLE
               Common Exc
                              28.87
                                          0
                                                      0
                                                          1.00
             Subgrade Exc
                              0.00
                                          0
                                                          1.00
                                                      0
                                           0
              Subsoil Exc
                             0.00
                                                          1.00
                                                     0
                  Fill
                              2.11
                                           0
                                                          1.00
                                                                     0
           SHOULDERBORROW
               Common Exc
                            0.00
                                           0
                                                          1.00
```

Subgrade Ex	c 0.00	0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	9.10	0	0	1.00	0
S9.5C	3.10	· ·	· ·	1.00	Ū
Common Ex	c 0.00	0	0	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
					•
Fill	6.87	0	0	1.00	0
I19.0C					
Common Ex		0	0	1.00	
Subgrade Ex	c 0.00	0	0	1.00	
Subsoil Ex	c 0.00	0	0	1.00	
Fill	4.43	0	0	1.00	0
B25.0C					
Common Ex	c 0.00	0	0	1.00	
Subgrade Ex		0	0	1.00	
•					
Subsoil Ex		0	0	1.00	•
Fill	15.16	0	0	1.00	0
303+50.00 SUITABLE					
Common Ex	c 25.49	50	50	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
		5	5		45
Fill	3.39	5	5	1.00	45
SHOULDERBORRO			•	4 00	
Common Ex		0	0	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex	c 0.00	0	0	1.00	
Fill	8.80	17	17	1.00	28
S9.5C					
Common Ex	c 0.00	0	0	1.00	
Subgrade Ex	c 0.00	0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	6.85	13	13	1.00	15
I19.0C	0.03	13	13	1.00	13
	. 0.00	0	a	1.00	
Common Ex		0	0		
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	4.33	8	8	1.00	7
B25.0C					
Common Ex	c 0.00	0	0	1.00	
Subgrade Ex	c 0.00	0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	14.84	28	28	1.00	-21
304+00.00 SUITABLE	<b>22</b> ==	<u>.</u> -	<u> </u>		
Common Ex		44	44	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	6.03	9	9	1.00	14

SHOULDERBORROW					
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	7.77	15	15	1.00	-1
S9.5C					
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	6.84	13	13	1.00	-14
I19.0C					
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	4.30	8	8	1.00	-22
B25.0C					
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	14.73	27	27	1.00	-49
204 50 00 CUTTABLE					
304+50.00 SUITABLE	10.70	20	20	1 00	
Common Exc	19.70	39	39	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	25
Fill	9.71	15	15	1.00	-25
SHOULDERBORROW Common Exc	0.00	a	0	1 00	
	0.00 0.00	0 0	0 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Fill	6.93	14	14	1.00	-39
S9.5C	0.95	14	14	1.00	- 39
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	6.85	13	13	1.00	-52
I19.0C		_5		_,,,	
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	4.33	8	8	1.00	-60
B25.0C					
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	14.80	27	27	1.00	-87
305+00.00 SUITABLE					
Common Exc	19.64	36	36	1.00	
Subgrade Exc	0.00	0	0	1.00	

	Subsoil Exc	0.00	0	0	1.00	
	Fill	11.18	19	19	1.00	-70
	SHOULDERBORROW					
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	6.57	13	13	1.00	-83
	S9.5C					
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	6.87	13	13	1.00	-96
	I19.0C		_	_		
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	4.39	8	8	1.00	-104
	B25.0C		•		4 00	
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	422
	Fill	14.98	28	28	1.00	-132
305+50.00	SIITTARI F					
303.30.00	Common Exc	19.50	36	36	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	12.18	22	22	1.00	-118
	SHOULDERBORROW					
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	6.57	12	12	1.00	-130
	S9.5C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	6.86	13	13	1.00	-143
	I19.0C					
	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	4.36	8	8	1.00	-151
	B25.0C					
	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	14.90	28	28	1.00	-179

	Common Exc	19.18	36	36	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	11.61	22	22	1.00	-165
	SHOULDERBORROW					
	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	6.57	12	12	1.00	-177
	S9.5C					
	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	6.91	13	13	1.00	-190
	I19.0C	0.72			_,,,	
	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	4.46	8	8	1.00	-198
	B25.0C	4.40	J	J	1.00	100
	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	15.21	28	28	1.00	-226
	1 111	13.21	20	20	1.00	220
306+50.00	SUITABLE					
300.30.00	Common Exc	16.64	33	33	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	13.64	23	23	1.00	-216
	SHOULDERBORROW	13.04	23	23	1.00	210
	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	6.57	12	12	1.00	-228
	S9.5C	0.57	12	12	1.00	-220
	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	7.69	14	14	1.00	-242
	I19.0C	7.05	14	14	1.00	-242
	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		9	9		251
		5.44	9	9	1.00	-251
	B25.0C	0.00	0	0	1 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	202
	Fill	18.39	31	31	1.00	-282

307+00.00	SUITABLE					
	Common Exc	14.89	29	29	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15.36	27	27	1.00	-280
	SHOULDERBORROW					
	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	7.36	13	13	1.00	-293
	S9.5C					
	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	7.43	14	14	1.00	-307
	I19.0C					
	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	5.11	10	10	1.00	-317
	B25.0C					
	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	17.35	33	33	1.00	-350
307+50.00	SUITABLE					
	Common Exc	14.67	27	27	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	14.96	28	28	1.00	-351
	SHOULDERBORROW					
	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	7.67	14	14	1.00	-365
	S9.5C					
	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	7.39	14	14	1.00	-379
	I19.0C					
	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	5.08	9	9	1.00	-388
	B25.0C				_	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc	0.00	0	0	1.00	420
Fill	17.22	32	32	1.00	-420
308+00.00 SUITABLE					
Common Exc	13.84	26	26	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	9.20	22	22	1.00	-416
SHOULDERBORROW				_,,,	
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	7.46	14	14	1.00	-430
S9.5C					
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	9.33	15	15	1.00	-445
I19.0C					
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	4.94	9	9	1.00	-454
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	40=
Fill	16.79	31	31	1.00	-485
308+50.00 SUITABLE					
Common Exc	12.14	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.21	20	20	1.00	-481
SHOULDERBORROW					
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	7.30	14	14	1.00	-495
S9.5C		_			
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	11.17	19	19	1.00	-514
I19.0C	0.00	•	•	4 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0 9	0 9	1.00	E22
Fill Page AC	4.73	Э	9	1.00	-523
B25.0C					

Common Exc Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.00 16.12	0 0 0 30	0 0 0 30	1.00 1.00 1.00 1.00	-553
309+00.00 SUITABLE					
Common Exc	11.79	22	22	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	14.70	25	25	1.00	-556
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	= 40
Fill	6.89	13	13	1.00	-569
S9.5C Common Exc	0 00	a	0	1 00	
Subgrade Exc	0.00 0.00	0	0	1.00 1.00	
Subsoil Exc	0.00	0 0	0 0	1.00	
Fill	8.56	18	18	1.00	-587
I19.0C	0.50	10	10	1.00	- 507
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	11.03	15	15	1.00	-602
B25.0C					
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	15.94	30	30	1.00	-632
309+50.00 SUITABLE					
Common Exc	10.82	21	21	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.58	33	33	1.00	-644
SHOULDERBORROW		•	•	4 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0 12	0 12	1.00	c F c
S9.5C	6.10	12	12	1.00	-656
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	8.56	16	16	1.00	-672
I19.0C		_•			· · -
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 B25.0C	14.79	24	24	1.00	-696
Common Exc	0.00	0	0	1.00	
	0.00	0	0 0	1.00	
Subgrade Exc					
Subsoil Exc	0.00	0	0	1.00	727
Fill	17.50	31	31	1.00	-727
310+00.00 SUITABLE					
Common Exc	6.64	16	16	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	37.32	54	54	1.00	-765
SHOULDERBORROW					
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	6.48	12	12	1.00	-777
S9.5C				_,,,	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8.56	16	16	1.00	-793
I19.0C	8.30	10	10	1.00	-793
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	11.62	24	24	1.00	-817
B25.0C	11.02	24	24	1.00	-017
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	29.34	43	43	1.00	-860
310+50.00 SUITABLE					
Common Exc	0.02	6	6	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	43.98	75	75	1.00	-929
SHOULDERBORROW					
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	6.57	12	12	1.00	-941
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	8.56	16	16	1.00	-957
I19.0C	0.50	10	10	1.00	,,,,
Common Exc	0.00	0	0	1.00	

Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Fill	11.62	22	22	1.00	-979
B25.0C					
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	40.68	65	65	1.00	-1044
311+00.00 SUITABLE					
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	73.70	109	109	1.00	-1153
SHOULDERBORROW			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4445
Fill	6.57	12	12	1.00	-1165
S9.5C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00 1.00	
Subsoil Exc Fill	0.00 8.56	0 16	0 16	1.00	-1181
I19.0C	0.30	10	10	1.00	-1101
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	11.61	22	22	1.00	-1203
B25.0C					
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	60.17	93	93	1.00	-1296
311+50.00 SUITABLE					
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	97.64	159	159	1.00	-1455
SHOULDERBORROW					
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	6.57	12	12	1.00	-1467
S9.5C				_	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4
Fill	8.56	16	16	1.00	-1483

I19.0C					
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	11.61	22	22	1.00	-1505
B25.0C					
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	78.81	129	129	1.00	-1634
312+00.00 SUITABLE					
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	140.13	220	220	1.00	-1854
SHOULDERBORROW					
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	6.57	12	12	1.00	-1866
S9.5C					
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	9.56	17	17	1.00	-1883
I19.0C			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4004
Fill	12.95	23	23	1.00	-1906
B25.0C	0.00	•	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0 173	0 173	1.00	2070
Fill	107.55	173	173	1.00	-2079
312+50.00 SUITABLE	• • •	-	_	4 05	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	0.400
Fill	237.01	349	349	1.00	-2428
SHOULDERBORROW	2 22	^	^	1 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	2444
Fill	7.93	13	13	1.00	-2441
S9.5C	0.00	0	^	1 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	12.40	20	20	1.00	-2461
	I19.0C					
	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	17.98	29	29	1.00	-2490
	B25.0C					
	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	46.59	143	143	1.00	-2633
	ABC					
	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	30.68	28	28	1.00	-2661
				_		
313+00.00	SUITABLE					
	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	283.23	482	482	1.00	-3143
	SHOULDERBORROW		_			
	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	7.93	15	15	1.00	-3158
	S9.5C					
	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	13.59	24	24	1.00	-3182
	I19.0C				_,,,	5-5-
	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	19.56	35	35	1.00	-3217
	B25.0C	23.30	33	33	2.00	3217
	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	63.06	102	102	1.00	-3319
	ABC	05.00	102	102	1.00	JJ±J
	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	30.68	57	57	1.00	-3376
	1 111	٥٥. ۵۶	37	/ر	1.00	-3370

	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	393.32	626	626	1.00	-4002
	SHOULDERBORROW					
	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	7.93	15	15	1.00	-4017
	S9.5C					
	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	14.59	26	26	1.00	-4043
	I19.0C					
	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	20.91	37	37	1.00	-4080
	B25.0C					
	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	82.00	134	134	1.00	-4214
	ABC					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	30.69	57	57	1.00	-4271
314+00.00	SUITABLE					
	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	492.76	820	820	1.00	-5091
	SHOULDERBORROW					
	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	7.93	15	15	1.00	-5106
	S9.5C					
	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	15.47	28	28	1.00	-5134
	I19.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	22.09	40	40	1.00	-5174

B25.0C					
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	50.88	123	123	1.00	-5297
ABC					
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	46.80	72	72	1.00	-5369
314+50.00 SUITABLE					
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	541.32	957	957	1.00	-6326
SHOULDERBORROW					
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	8.00	15	15	1.00	-6341
S9.5C					
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	16.20	29	29	1.00	-6370
I19.0C			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	6440
Fill	23.08	42	42	1.00	-6412
B25.0C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 52.98	0	0	1.00	6500
ABC	32.90	96	96	1.00	-6508
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	48.31	88	88	1.00	-6596
1 111	40.31	00	00	1.00	0330
315+00.00 SUITABLE					
Common Exc	0.38	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	610.84	1067	1067	1.00	-7663
SHOULDERBORROW					
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	8.01	15	15	1.00	-7678
	S9.5C	0.01	13		1.00	,0,0
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	16.78	31	31	1.00	-7709
	I19.0C					
	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	23.88	43	43	1.00	-7752
	B25.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	54.41	99	99	1.00	-7851
	ABC					
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	49.46	91	91	1.00	-7942
315+50.00		10.00		4-	4 00	
	Common Exc		17	17	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	0240
	Fill	927.06	1424	1424	1.00	-9349
	SHOULDERBORROW		0	0	1 00	
	Common Exc		0	0	1.00	
	Subgrade Exc Subsoil Exc		0	0	1.00	
	Fill	0.00 8.01	0 15	15	1.00 1.00	-9364
	S9.5C	0.01	15	15	1.00	-9304
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	17.22	31	31	1.00	-9395
	I19.0C	1,.22	31	31	1.00	3333
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	24.44	45	45	1.00	-9440
	B25.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	55.39	102	102	1.00	-9542
	ABC					
	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	50.32	92	92	1.00	-9634
316+00.00 SUITABLE					
Common Exc	1.12	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1386.66	2142	2142	1.00	-11758
SHOULDERBORROW				_,,,	
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	12.15	19	19	1.00	-11777
S9.5C					
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	17.54	32	32	1.00	-11809
I19.0C					
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	24.76	46	46	1.00	-11855
B25.0C					
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	56.07	103	103	1.00	-11958
ABC					
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	50.93	94	94	1.00	-12052
WALL					
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	10.47	10	10	1.00	-12062
316+50.00 SUITABLE					
Common Exc	1.18	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	544.70	1788	1788	1.00	-13848
SHOULDERBORROW	211.70	1,00	1,00		155-0
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	43.14	51	51	1.00	-13899
1 111	13.17	<i>7</i> ±	<i>7</i> ±	00	1000

	S9.5C						
	Common	Exc	0.00	6	9 0	1.00	
	Subgrade	Exc	0.00	6	9 0	1.00	
	Subsoil	Exc	0.00	6	9 0	1.00	
	Fil	1 :	17.71	33	3 33	1.00	-13932
	I19.0C						
	Common	Exc	0.00	6	9 0	1.00	
	Subgrade	Exc	0.00	6	9 0	1.00	
	Subsoil	Exc	0.00	6	9 0	1.00	
	Fil	1 2	24.96	46	5 46	1.00	-13978
	B25.0C						
	Common	Exc	0.00	6	9 0	1.00	
	Subgrade	Exc	0.00	6	9 0	1.00	
	Subsoil		0.00	6	9 0	1.00	
	Fil	1 !	56.52	104	104	1.00	-14082
	ABC						
	Common		0.00				
	Subgrade		0.00				
	Subsoil		0.00				
	Fil	1 !	51.33	95	95	1.00	-14177
	WALL						
	Common		0.00				
	Subgrade		0.00				
	Subsoil		0.00				
	Fil		3.51				-14190
<b>^</b>	GRA			MARY	TOTAL		
	Material	Name		-	•	Mult	
						Factor	
				(cu. yd.)	(cu. yd.)		
	SUITABLE						
	JULIABLE	Common	Evc	482	482	1.00	
		Subgrade		0	0	1.00	
		Subsoil		0	0	1.00	
		Fill	LXC	10542	10542	1.00	
	SHOULDERBORROW	, , , ,		10542	10542	1.00	
	SHOOLDLINDONNON	Common	Fxc	0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil		0	0	1.00	
		Fill	LAC	408	408	1.00	
	S9.5C			.00	100	2.00	
		Common	Exc	0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil		0	0	1.00	
		Fill		523	523	1.00	
	I19.0C			2-3	2-3		
	· · •	Common	Exc	0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil		0	0	1.00	
		Fill		609	609	1.00	

	B2 <sup>e</sup>	5.0C							
			Common	Exc		9	0	1.00	
			Subgrade			9	0		
			Subsoil			9	0	1.00	
			Fill		189		1893		
	ABO	-							
			Common	Exc		9	0	1.00	
			Subgrade			9	0		
			Subsoil			9	0		
			Fill		67	4	674		
	WAL	_L							
			Common	Exc		9	0	1.00	
			Subgrade			9	0		
			Subsoil			9	0		
			Fill		2		23		
<b>^</b>				ΡL				TOTAL	S
				_					
0					XS Quant	XS	Quant	Add/Sub Quant	t Add/Sub
Qua		Material	Name		Unadjuste	d Ad	justed	Unadjusted	Adjusted
М	lult				Volume	Vo]	lume	Volume	Volume
F	actor								
					(cu. yd.)	(cı	ı. yd.)	(cu. yd.)	(cu. yd.)
									-
	SIII	TABLE							
	501	LIADEL	Common	Fxc	48	2	482	(	9
0	1.00		Common	LXC	40	_	+02	`	•
O	1.00		Subgrade	Fxc		9	0	(	9
0	1.00		Subgi duc	LXC		O	J	`	•
O	1.00		Subsoil	Fvc		_			•
0	1.00		JUDJULL			<b>A</b>	а	(	4
O	1.00					9	0	(	9
0			Fill						
_	1 00		Fill		1054		0 10542		ð ð
	1.00 SHO	NII DERBORROM	Fill						
		DULDERBORROW			1054	2	10542	(	9
	SHO	DULDERBORROW	Fill Common		1054			(	
0		DULDERBORROW	Common	Exc	1054	2	10542 0	(	ð
0	SHO 1.00	DULDERBORROW		Exc	1054	2	10542	(	9
	SHO	DULDERBORROW	Common Subgrade	Exc Exc	1054	2 9 9	10542 0	(	a a
0 0	SHO 1.00 1.00	DULDERBORROW	Common	Exc Exc	1054	2	10542 0	(	ð
0	SHO 1.00	DULDERBORROW	Common Subgrade Subsoil	Exc Exc	1054	2 9 9	10542 0 0		<ul><li>3</li><li>3</li><li>3</li><li>3</li></ul>
0 0 0	SHO 1.00 1.00 1.00	DULDERBORROW	Common Subgrade	Exc Exc	1054	2 9 9	10542 0		a a
0 0	1.00 1.00 1.00 1.00		Common Subgrade Subsoil	Exc Exc	1054	2 9 9	10542 0 0		<ul><li>3</li><li>3</li><li>3</li><li>3</li></ul>
0 0 0	1.00 1.00 1.00 1.00	DULDERBORROW	Common Subgrade Subsoil Fill	Exc Exc Exc	1054 40	2 9 9 9 8	10542 0 0 0 408		<ul><li>3</li><li>3</li><li>3</li><li>3</li><li>3</li></ul>
<ul><li>0</li><li>0</li><li>0</li><li>0</li></ul>	1.00 1.00 1.00 1.00 59.		Common Subgrade Subsoil	Exc Exc Exc	1054 40	2 9 9	10542 0 0		<ul><li>3</li><li>3</li><li>3</li><li>3</li></ul>
0 0 0	1.00 1.00 1.00 1.00		Common Subgrade Subsoil Fill Common	Exc Exc Exc	1054 40	2 9 9 9 8	10542 0 0 408		2 2 2 2
<ul><li>0</li><li>0</li><li>0</li><li>0</li></ul>	1.00 1.00 1.00 1.00 59.		Common Subgrade Subsoil Fill	Exc Exc Exc	1054 40	2 9 9 9 8	10542 0 0 0 408		<ul><li>3</li><li>3</li><li>3</li><li>3</li><li>3</li></ul>

		Subsoil	Exc	0	0		0
0	1.00	Fill		523	523		0
0							
	I19	.0C Common	Exc	0	0		0
0	1.00						
0	1.00	Subgrade	Exc	0	0		0
		Subsoil	Exc	0	0		0
0	1.00	Fill		609	609		0
0				002	003		Ū
	B25	.0C Common	Exc	0	0		0
0	1.00						
0	1.00	Subgrade	Exc	0	0		0
		Subsoil	Exc	0	0		0
0	1.00	Fill		1893	1893		0
0							
	ABC	Common	Exc	0	0		0
0	1.00						
0	1.00	Subgrade	Exc	0	0		0
		Subsoil	Exc	0	0		0
0	1.00	Fill		674	674		0
0							
	WAL	L Common	Exc	0	0		0
0	1.00						
0	1.00	Subgrade	EXC	0	0		0
•	1 00	Subsoil	Exc	0	0		0
0	1.00	Fill		23	23		0
0		ADTUUODUS FOR RASELTAN					
		ARTHWORKS FOR BASELINI ARTHWORKS FOR JOB = RI					
F	ORMING LIS	T OF XSCELLS					
<b>↓</b>		ARTHWORKS COMPUTATION					
_		Material Name End	Areas				
S	tation	(sq.	. ft.)	Volumes (cu. yd.)		Factor	Ordinate
-	316+50.00	SUITABLE					

	Common Exc	1.18	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	544.70	0	0	1.00	0
	SHOULDERBORROW					
	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	43.14	0	0	1.00	0
	S9.5C					
	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	17.71	0	0	1.00	0
	I19.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	24.96	0	0	1.00	0
	B25.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	56.52	0	0	1.00	0
	ABC		_	-		
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	51.33	0	0	1.00	0
	WALL	5_155			_,,,	•
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	3.51	0	0	1.00	0
	, 111	3.31	ŭ	ŭ	1.00	Ū
317+00.00	SUITABLE					
	Common Exc	1.00	2	2	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	778.53	1225	1225	1.00	-1223
	SHOULDERBORROW					
	Common Exc		0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	8.86	48	48	1.00	-1271
	S9.5C	3.30	.0	.0		
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc		0	0	1.00	
	Subsoil Exc		0	0	1.00	
	Fill	17.74	33	33	1.00	-1304
	1 111	1/./4	22	22	1.00	1504

	I19.0C					
	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	25.06	46	46	1.00	-1350
	B25.0C					
	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	56.74	105	105	1.00	-1455
	ABC					
	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	51.53	95	95	1.00	-1550
	WALL					
	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	12.21	15	15	1.00	-1565
317+50.00	SUITABLE					
	Common Exc	0.77	2	2	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	511.03	1194	1194	1.00	-2757
	SHOULDERBORROW					
	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	8.01	16	16	1.00	-2773
	S9.5C					
	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	17.65	33	33	1.00	-2806
	I19.0C					
	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	24.99	46	46	1.00	-2852
	B25.0C					
	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	56.65	105	105	1.00	-2957
	ABC					
	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 WALL	51.45	95	95	1.00	-3052
	0.00	0	0	1 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	2062
Fill	0.00	11	11	1.00	-3063
318+00.00 SUITABLE					
Common Exc	0.60	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	470.91	909	909	1.00	-3971
SHOULDERBORROW					
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	8.01	15	15	1.00	-3986
S9.5C					
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	17.46	33	33	1.00	-4019
I19.0C					
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	24.75	46	46	1.00	-4065
B25.0C					
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	56.21	105	105	1.00	-4170
ABC					
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	51.05	95	95	1.00	-4265
318+50.00 SUITABLE		_		4 00	
Common Exc	0.37	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	464.28	866	866	1.00	-5130
SHOULDERBORROW		_			
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	8.01	15	15	1.00	-5145
S9.5C		_	_		
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	17.14	32	32	1.00	-5177
I19.0C					
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	24.32	45	45	1.00	-5222
B25.0C					
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	55.46	103	103	1.00	-5325
ABC					
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	50.39	94	94	1.00	-5419
210:00 00 CUTTARI F					
319+00.00 SUITABLE	7 45	7	7	1.00	
Common Exc	7.45	7	7		
Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subsoil Exc Fill	158.36	577	577	1.00	-5989
SHOULDERBORROW	130.30	3//	3//	1.00	- 3363
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	7.16	14	14	1.00	-6003
S9.5C	7.10		17	1.00	0003
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	16.71	31	31	1.00	-6034
I19.0C		-			
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	23.74	45	45	1.00	-6079
B25.0C					
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	54.32	102	102	1.00	-6181
ABC					
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	49.41	92	92	1.00	-6273

319+50.00	SUITABLE					
	Common Exc	16.19	22	22	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	150.46	286	286	1.00	-6537
	SHOULDERBORROW					
	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	19.10	24	24	1.00	-6561
	S9.5C					
	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	10.94	26	26	1.00	-6587
	I19.0C					
	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	14.79	36	36	1.00	-6623
	B25.0C					
	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	34.12	82	82	1.00	-6705
	ABC					
	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	31.97	75	75	1.00	-6780
320+00.00	SUITABLE					
	Common Exc	0.00	15	15	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	277.44	396	396	1.00	-7161
	SHOULDERBORROW					
	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	15.95	32	32	1.00	-7193
	S9.5C					
	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	10.94	20	20	1.00	-7213
	I19.0C					
	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	14.79	27	27	1.00	-7240
B25.0C	0.00	0	0	1 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	104.65	128	128	1.00	-7368
ABC					
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	0.00	30	30	1.00	-7398
320+50.00 SUITABLE					
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	257.75	496	496	1.00	-7894
SHOULDERBORROW					
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	15.96	30	30	1.00	-7924
S9.5C					
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	10.94	20	20	1.00	-7944
I19.0C					
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	14.79	27	27	1.00	-7971
B25.0C					
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	89.81	180	180	1.00	-8151
224.00.00 CUTTABLE					
321+00.00 SUITABLE	0.00	0	^	1 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	203.38	427	427	1.00	-8578
SHOULDERBORROW		_	_		
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	15.96	30	30	1.00	-8608
S9.5C					
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	10.94	20	20	1.00	-8628
	I19.0C	10.94	20	20	1.00	-0020
	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	14.79	27	27	1.00	-8655
	B25.0C	14.75	27	27	1.00	-8055
	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	74.36	152	152	1.00	-8807
	1 111	74.30	132	132	1.00	-0007
321+50.00	SUITABLE					
	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	158.31	335	335	1.00	-9142
	SHOULDERBORROW					
	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	15.96	30	30	1.00	-9172
	S9.5C					
	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	10.94	20	20	1.00	-9192
	I19.0C					
	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	14.79	27	27	1.00	-9219
	B25.0C					
	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	60.71	125	125	1.00	-9344
322+00.00	) SUITABLE					
	Common Exc	2.39	2	2	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	115.13	253	253	1.00	-9595
	SHOULDERBORROW					
	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	16.46	30	30	1.00	-9625

S9.5C					
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	10.94	20	20	1.00	-9645
I19.0C					
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	14.79	27	27	1.00	-9672
B25.0C					
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	45.78	99	99	1.00	-9771
322+50.00 SUITABLE					
Common Exc	6.56	8	8	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	98.54	198	198	1.00	-9961
SHOULDERBORROW					
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	6.63	21	21	1.00	-9982
S9.5C					
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	9.57	19	19	1.00	-10001
I19.0C					
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	12.95	26	26	1.00	-10027
B25.0C					
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	29.19	69	69	1.00	-10096
323+00.00 SUITABLE					
Common Exc	11.14	16	16	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	73.40	159	159	1.00	-10239
SHOULDERBORROW					
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	6.63	12	12	1.00	-10251
S9.5C					
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	9.57	18	18	1.00	-10269
I19.0C					
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	16.56	27	27	1.00	-10296
B25.0C	0.00	•	•	4 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	40220
Fill	16.28	42	42	1.00	-10338
323+50.00 SUITABLE					
Common Exc	18.25	27	27	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	56.64	120	120	1.00	-10431
SHOULDERBORROW					
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	6.63	12	12	1.00	-10443
S9.5C					
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	11.94	20	20	1.00	-10463
I19.0C					
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	4.44	19	19	1.00	-10482
B25.0C					
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	15.24	29	29	1.00	-10511
324+00.00 SUITABLE					
Common Exc	24.09	39	39	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	43.38	93	93	1.00	-10565
SHOULDERBORROW					

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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	6.63	12	12	1.00	-10577
S9.5C					
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	6.68	17	17	1.00	-10594
I19.0C	0.00	_,		_,,,	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	4.49	8	8	1.00	-10602
B25.0C	4.49	0	0	1.00	-10002
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	10630
Fill	15.41	28	28	1.00	-10630
324+50.00 SUITABLE					
Common Exc	29.12	49	49	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc			0		
	0.00	0		1.00	10653
Fill	34.06	72	72	1.00	-10653
SHOULDERBORROW	0.00	•	•	4 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	6.64	12	12	1.00	-10665
S9.5C					
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	5.90	12	12	1.00	-10677
I19.0C					
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	4.47	8	8	1.00	-10685
B25.0C		· ·	Ū	2.00	20003
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill		28	28	1.00	10712
LIII	15.33	20	20	1.00	-10713
325+00.00 SUITABLE					
Common Exc	30.11	55	55	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
SUBSUIT EXC	0.00	J	0		

Fill	22.51	52	52	1.00	-10710
SHOULDERBORR		0	•	1 00	
Common E		0	0	1.00	
Subgrade E		0	0	1.00	
Subsoil E		0	0	1.00	
Fill	6.64	12	12	1.00	-10722
S9.5C					
Common E		0	0	1.00	
Subgrade E	xc 0.00	0	0	1.00	
Subsoil E	xc 0.00	0	0	1.00	
Fill	5.90	11	11	1.00	-10733
I19.0C					
Common E	xc 0.00	0	0	1.00	
Subgrade E	xc 0.00	0	0	1.00	
Subsoil E		0	0	1.00	
Fill	4.47	8	8	1.00	-10741
B25.0C					
Common E	xc 0.00	0	0	1.00	
Subgrade E		0	0	1.00	
Subsoil E		0	0	1.00	
Fill	15.34	28	28	1.00	-10769
1111	13.34	20	20	1.00	-10703
325+50.00 SUITABLE					
Common E	xc 31.74	57	57	1.00	
Subgrade E	xc 0.00	0	0	1.00	
Subsoil E	xc 0.00	0	0	1.00	
Fill	31.78	50	50	1.00	-10762
SHOULDERBORR	WC				
Common E	xc 0.00	0	0	1.00	
Subgrade E	xc 0.00	0	0	1.00	
Subsoil E		0	0	1.00	
Fill	6.65	12	12	1.00	-10774
S9.5C					
Common E	xc 0.00	0	0	1.00	
Subgrade E		0	0		
Subsoil E		0	0	1.00	
Fill	5.89	11	11	1.00	-10785
I19.0C	3.03	11	11	1.00	10/03
Common E	xc 0.00	0	0	1.00	
Subgrade E	xc 0.00	0	0	1.00	
Subsoil E	xc 0.00	0	0	1.00	
Fill	4.44	8	8	1.00	-10793
B25.0C					
Common E	xc 0.00	0	0	1.00	
Subgrade E		0	0	1.00	
Subsoil E		0	0	1.00	
Fill	15.25	28	28	1.00	-10821
	13.23	20	20	1.00	10021
326+00.00 SUITABLE					
Common E	xc 30.21	57	57	1.00	

	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	17.52	46	46	1.00	-10810
	SHOULDERBORROW					
	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	6.64	12	12	1.00	-10822
	S9.5C					
	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	5.89	11	11	1.00	-10833
	I19.0C					
	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	4.43	8	8	1.00	-10841
	B25.0C					
	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	15.19	28	28	1.00	-10869
326+50.00						
	Common Exc	29.08	55	55	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15.52	31	31	1.00	-10845
	SHOULDERBORROW		_	_		
	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	6.64	12	12	1.00	-10857
	S9.5C		•		4 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	40040
	Fill	5.90	11	11	1.00	-10868
	I19.0C	0.00	0	0	1 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	10076
	Fill	4.46	8	8	1.00	-10876
	B25.0C	2 22	•	^	1 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	10004
	Fill	15.29	28	28	1.00	-10904

327+00.00 SUI	TABLE					
	Common Exc	25.20	50	50	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10.64	24	24	1.00	-10878
SHO	ULDERBORROW					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.66	12	12	1.00	-10890
S9.	5C					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5.88	11	11	1.00	-10901
I19	.0C					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4.40	8	8	1.00	-10909
B25	.0C					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	15.11	28	28	1.00	-10937
327+50.00 SUI	TABLE					
	Common Exc	26.39	48	48	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	10.79	20	20	1.00	-10909
SHO	ULDERBORROW					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.63	12	12	1.00	-10921
S9.	5C					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	5.88	11	11	1.00	-10932
I19	.0C					
	Common Exc	0.00	0	0	1.00	
S	ubgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4.39	8	8	1.00	-10940
B25	0C		_	=		
_	Common Exc	0.00	0	0	1.00	
S	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	

Fill	15.09	28	28	1.00	-10968
328+00.00 SUITABLE					
Common Exc	31.46	54	54	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.10	16	16	1.00	-10930
SHOULDERBORROW	0.10	10	10	1.00	10330
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	15.45	20	20	1.00	-10950
S9.5C	13.43	20	20	1.00	10330
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	5.87	11	11	1.00	-10961
I19.0C	3.07			1.00	10301
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	4.39	8	8	1.00	-10969
B25.0C	1.33	G	Ū	1.00	10303
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	15.08	28	28	1.00	-10997
. ===				_,,,	
328+50.00 SUITABLE					
Common Exc	58.48	83	83	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.23	6	6	1.00	-10920
SHOULDERBORROW					
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	13.92	27	27	1.00	-10947
S9.5C					
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	5.61	11	11	1.00	-10958
I19.0C					
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	3.70	7	7	1.00	-10965
B25.0C					
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	12.82	26	26	1.00	-10991
1111	12.02	20	20	1.00	-10991
329+00.00 SUITABLE					
Common Exc	25.07	77	77	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.70	2	2	1.00	-10916
SHOULDERBORROW					
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	8.97	21	21	1.00	-10937
S9.5C				_,_,	
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	6.27	11	11	1.00	-10948
I19.0C					
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	3.70	7	7	1.00	-10955
B25.0C					
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	12.83	24	24	1.00	-10979
329+50.00 SUITABLE					
Common Exc	26.03	47	47	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.59	3	3	1.00	-10935
SHOULDERBORROW	1.33	3	J	1.00	-10000
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	9.01	17	17	1.00	-10952
S9.5C				_,_,	
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	6.31	12	12	1.00	-10964
I19.0C	<del>-</del>		- <b>-</b>		
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	3.72	7	7	1.00	-10971
	J • · · =	•	•		

B25.0C					
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	12.89	24	24	1.00	-10995
330+00.00 SUITABLE					
Common Exc	27.57	50	50	1.00	
Subgrade Exc	0.00	90	9	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.10	2	2	1.00	-10947
SHOULDERBORROW	0.10	2		1.00	10547
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	11.25	19	19	1.00	-10966
S9.5C				_,,,	_0200
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	6.33	12	12	1.00	-10978
I19.0C					
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	3.75	7	7	1.00	-10985
B25.0C			•	4 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	11000
Fill	13.00	24	24	1.00	-11009
330+50.00 SUITABLE					
Common Exc	26.21	50	50	1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	0.22	0	0	1.00	-10959
SHOULDERBORROW	0.00	•	•	4 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	10000
Fill S9.5C	11.21	21	21	1.00	-10980
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	6.30	12	12	1.00	-10992
I19.0C					_
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
J					

6 1 13 5		•	_	4 00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.68	7	7	1.00	-10999
B25.0C					
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	12.75	24	24	1.00	-11023
331+00.00 SUITABLE					
Common Exc	26.07	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill					10076
	0.33	1	1	1.00	-10976
SHOULDERBORROW				4 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	11.33	21	21	1.00	-10997
S9.5C					
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	6.25	12	12	1.00	-11009
I19.0C	0.23			1.00	11003
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc				1.00	
	0.00	0	0		11016
Fill	3.62	7	7	1.00	-11016
B25.0C			•	4 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	12.56	23	23	1.00	-11039
331+50.00 SUITABLE					
Common Exc	25.93	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.05	0	0	1.00	-10991
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
Fill	10.47	20	20	1.00	-11011
S9.5C	10.4/	20	20	1.00	- 11011
	0.00	Ω	Δ.	1 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	6.24	12	12	1.00	-11023
I19.0C					

Common	Fxc	0.00	a (	9 (	1.00	
Subgrade		0.00			1.00	
Subsoil		0.00			1.00	
Fil		3.62			7 1.00	-11030
B25.0C	_	3.0.		•	2.00	11030
Common	Exc	0.00	a (	9	1.00	
Subgrade		0.00			1.00	
Subsoil		0.00			1.00	
Fil		12.5			3 1.00	-11053
G R A			MMARY	TOTA		
Material			Unadjusted		 Mult	
			Volumes	-	Factor	
			(cu. yd.)			
SUITABLE						
	Common	Exc	970	970	1.00	
	Subgrade	Exc	0	0	1.00	
	Subsoil		0	0	1.00	
	Fill		7859	7859		
SHOULDERBORROW						
	Common	Exc	0	0	1.00	
	Subgrade	Exc	0	0	1.00	
	Subsoil		0	0	1.00	
	Fill		591	591	1.00	
S9.5C						
	Common	Exc	0	0	1.00	
	Subgrade		0	0	1.00	
	Subsoil		0	0		
	Fill		533	533	1.00	
I19.0C						
	Common	Exc	0	0	1.00	
	Subgrade	Exc	0	0	1.00	
	Subsoil		0	0	1.00	
	Fill		592	592	1.00	
B25.0C						
	Common	Exc	0	0	1.00	
	Subgrade		0	0	1.00	
	Subsoil		0	0	1.00	
	Fill		1846	1846	1.00	
ABC					_,,,	
	Common	Exc	0	0	1.00	
	Subgrade		0	0	1.00	
	Subsoil		0	0	1.00	
	Fill		576	576	1.00	
WALL	· = <b></b>			2.5		
	Common	Exc	0	0	1.00	
	Subgrade		0	0	1.00	
	Subsoil		0	0	1.00	
	Fill		26	26	1.00	
		ΡL		MMARY		ALS
	3		50		. • '	··

♠

0					XS Qu	ıant	XS Q	uant	Add/Sub	Quant	Add/S	Sub
Qua		Material	Name		Unadj	justed	Adju	sted	Unadjust	ed	Adjus	sted
	Mult				Volum	ne	Volu	ne	Volume		Volur	ne
F	actor				(cu.	yd.)	(cu.	yd.)	(cu. yd.	)	(cu.	yd.)
	SUITA	BLE										
0	1.00		Common	Exc		970		970		0		
0	1.00		Subgrade	Exc		0		0		0		
			Subsoil	Exc		0		0		0		
0	1.00		Fill			7859		7859		0		
0	1.00 SHOUL	DERBORROW										
0	1.00		Common	Exc		0		0		0		
0	1.00		Subgrade	Exc		0		0		0		
			Subsoil	Exc		0		0		0		
0	1.00		Fill			591		591		0		
0	1.00 S9.5C											
0	1.00		Common	Exc		0		0		0		
0	1.00		Subgrade	Exc		0		0		0		
			Subsoil	Exc		0		0		0		
0	1.00		Fill			533		533		0		
0	1.00 I19.0	С										
0	1.00		Common	Exc		0		0		0		
0	1.00		Subgrade	Exc		0		0		0		
			Subsoil	Exc		0		0		0		
0	1.00		Fill			592		592		0		
0	1.00 B25.0	С										
0	1.00		Common	Exc		0		0		0		

0	1 00	Subgrade	Exc	0	0	0	
0	1.00	Subsoil	Exc	0	0	0	
0	1.00	Fill		1846	1846	0	
0	1.00 ABC					·	
		Common	Exc	0	0	0	
0	1.00	Subgrade	Exc	0	0	0	
0	1.00	Subsoil		0	0	0	
0	1.00		EXC				
0	1.00	Fill		576	576	0	
	WALL	•	_			•	
0	1.00	Common	EXC	0	0	0	
0	1.00	Subgrade	Exc	0	0	0	
		Subsoil	Exc	0	0	0	
0	1.00	Fill		26	26	0	
0	1.00						

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW L Phase-4.inp
Output File: EW L Phase-4.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 xs dgn = HB0002_rdy_xsc_L_phase-4.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5C
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = I19.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = B25.0C
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Pvmt Course 3
     100
 1
           100
 1
     101
           101 Proposed Undercut
 1
     102
           102 common exc only
     103
           103 soil type = ABC
 1
           104 fill mult factor = 1.00
 1
     104
     105
           105 type = line,line_string
 1
     106
           106 lvname = Prop CMT Pvmt Course 4
 1
 1
     107
           107
     108
           108 Proposed Undercut
 1
           109 common exc only
 1
     109
           110 soil type = Wall
 1
     110
 1
     111
           111 fill mult factor = 1.00
 1
     112
           112 type = line, line string
 1
     113
           113 lvname = Prop CMT Concrete Wall
 1
     114
           114
 1
     115
           115 excavation limits
 1
     116
           116 lvname = Prop XS Exc Vertical Line 1
 1
     117
           117 \text{ type} = \text{line}
 1
     118
           118
 1
     119
           119 Write Earthwork Shapes
 1
     120
           120 plot param
 1
           121 lvname = WEI XS Earthwork
     121
           122 Stratify Shape Color
 1
     122
     123
 1
           123
 1
     124
           124 vertical search distance = 200
 1
     125
           125
           126 /*calculate only between excavation limits*/
 1
     126
 1
     127
           127
           128 End Area Decimal Places = 2
 1
     128
     129
 1
           129
     130
           130 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\01-L-Phase4-30300-31600.txt
 1
     131
           131
     132
           132 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
voll
           133 column 1 number of decimal place = 0
 1
     133
 1
     134
           134 column 1 total length = 10
 1
     135
           135
 1
     136
           136 column 2 formula = ["SUITABLE", Fill, unadj vol]
     137
           137 column 2 number of decimal place = 0
 1
           138 column 2 total length = 10
 1
     138
     139
 1
           139
           140 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
     140
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           141 column 3 number of decimal place = 0
 1
     141
           142 column 3 total length = 10
 1
     142
     143
 1
     144
           144 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
```

```
1
     145
           145 column 4 number of decimal place = 0
     146
           146 column 4 total length = 10
 1
     147
 1
           147
           148 column 5 formula = ["SHOULDERBORROW", Fill, end area]
 1
     148
     149
           149 column 5 number of decimal place = 2
 1
 1
     150
           150 column 5 total length = 10
     151
 1
           151
           152 column 6 formula = ["S9.5C", Fill, End Area]
     152
 1
           153 column 6 number of decimal place = 2
 1
     153
     154
           154 column 6 total length = 10
 1
 1
     155
           155
           156 column 7 formula = ["I19.0C", Fill, End Area]
 1
     156
 1
     157
           157 column 7 number of decimal place = 2
           158 column 7 total length = 10
 1
     158
     159
 1
           159
 1
     160
           160 column 8 formula = ["B25.0C", Fill, End Area]
           161 column 8 number of decimal place = 2
 1
     161
 1
     162
           162 column 8 total length = 10
 1
     163
           163
           164 column 9 formula = ["ABC", Fill, End Area]
 1
     164
           165 column 9 number of decimal place = 2
 1
     165
 1
     166
           166 column 9 total length = 10
 1
     167
           167
           168 Process Earthwork for Baseline = L
 1
     168
           169 job number = rdy
 1
     169
 1
     170
           170
 1
     171
           171 beg sta = 303+00.00
 1
     172
           172 \text{ end sta} = 316+00.00
 1
     173
     174
           174 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\04-L-Phase4-31600-33150.txt
     175
           175
           176 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     176
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           177 column 1 number of decimal place = 0
 1
     177
 1
     178
           178 column 1 total length = 10
     179
           179
 1
 1
     180
           180 column 2 formula = ["SUITABLE", Fill, unadj vol]
           181 column 2 number of decimal place = 0
     181
 1
 1
     182
           182 column 2 total length = 10
     183
 1
           184 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
     184
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           185 column 3 number of decimal place = 0
     185
 1
     186
           186 column 3 total length = 10
     187
 1
           187
           188 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
 1
     188
           189 column 4 number of decimal place = 0
 1
     189
     190
           190 column 4 total length = 10
```

```
1
    191
          191
          192 column 5 formula = ["SHOULDERBORROW", Fill, end area]
1
    192
    193
          193 column 5 number of decimal place = 2
1
          194 column 5 total length = 10
1
    194
    195
1
          195
1
    196
          196 column 6 formula = ["S9.5C", Fill, End Area]
          197 column 6 number of decimal place = 2
    197
1
    198
          198 column 6 total length = 10
1
1
    199
          199
          200 column 7 formula = ["I19.0C", Fill, End Area]
    200
1
          201 column 7 number of decimal place = 2
1
    201
          202 column 7 total length = 10
1
    202
1
    203
          203
    204
          204 column 8 formula = ["B25.0C", Fill, End Area]
1
          205 column 8 number of decimal place = 2
1
    205
          206 column 8 total length = 10
1
    206
    207
1
          207
1
    208
          208 column 9 formula = ["ABC", Fill, End Area]
          209 column 9 number of decimal place = 2
1
    209
1
    210
          210 column 9 total length = 10
1
    211
1
    212
          212 Process Earthwork for Baseline = L
          213 job number = rdy
1
    213
    214
1
          214
1
    215
          215 beg sta = 316+00.00
1
    216
          216 \text{ end sta} = 331+50.00
1
    217
          217
1
    218
          218
1
    219
          219
1
    220
         220
1
    221
        221
1
    222
         222
1
    223
          223
      0
          224 END OF FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name End Areas Unadjusted Adjusted
                                                          Mult
                                                                Mass
                                                          Factor Ordinate
Station
                                     Volumes Volumes
                     (sq. ft.) (cu. yd.) (cu. yd.)
306+50.00 SUITABLE
              Common Exc
                              3.81
                                          0
                                                      0
                                                          1.00
             Subgrade Exc
                              0.00
                                          0
                                                         1.00
                                                      0
                                          0
              Subsoil Exc
                            0.00
                                                         1.00
                                                     0
                  Fill
                             0.00
                                          0
                                                          1.00
                                                                     0
           S9.5C
              Common Exc 0.00
                                          0
                                                          1.00
```

Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Fill	5.17	0	0	1.00	0
307+00.00 SUITABLE					
Common Exc	3.81	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	7
S9.5C					
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	4.70	9	9	1.00	-2
307+50.00 SUITABLE					
Common Exc	3.81	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	5
S9.5C					
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	6.03	10	10	1.00	-5
308+00.00 SUITABLE					
Common Exc	3.87	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	2
S9.5C		_	_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	10
Fill	6.47	12	12	1.00	-10
308+50.00 SUITABLE					
Common Exc	3.39	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	_
Fill S9.5C	0.00	0	0	1.00	-3
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
Fill	8.18	14	14	1.00	-17
I19.0C	- · · <del>-</del>			<del>-</del>	
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	5.36	5	5	1.00	-22
309+00.00 SUITABLE					
Common Exc	4.67	7	7	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	-15
S9.5C		•		4 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	2.0
Fill	10.12	17	17	1.00	-32
I19.0C	0 00	0	0	1 00	
Common Exc	0.00	0	0 0	1.00 1.00	
Subgrade Exc	0.00 0.00	0	_	1.00	
Subsoil Exc Fill	6.65	0 11	0 11	1.00	-43
LIII	0.05	11	7.7	1.00	-43
309+50.00 SUITABLE					
Common Exc	7.37	11	11	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-32
S9.5C					
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	11.06	20	20	1.00	-52
I19.0C					
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	5.53	11	11	1.00	-63
B25.0C		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	60
Fill	6.97	6	6	1.00	-69
310+00.00 SUITABLE					
Common Exc	9.05	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-54
S9.5C		•	ŭ		٠.
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	11.14	21	21	1.00	-75

I19.0C						
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	11.00	15	15	1.00	-90	
B25.0C		_			-	
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	10.72	16	16	1.00	-106	
310+50.00 SUITABLE						
Common Exc	10.08	18	18	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	0.00	0	0	1.00	-88	
S9.5C						
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	10.21	20	20	1.00	-108	
I19.0C						
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	15.33	24	24	1.00	-132	
B25.0C						
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	14.70	24	24	1.00	-156	
311+00.00 SUITABLE						
Common Exc	9.40	18	18	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	0.00	0	0	1.00	-138	
S9.5C		_				
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	10.37	19	19	1.00	-157	
I19.0C		_				
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00	- <del>-</del> -	
Fill	15.03	28	28	1.00	-185	
B25.0C		_	_	4 65		
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	24.09	36	36	1.00	-221
311+50.00 SUITABLE					
Common Exc	0.01	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	-212
S9.5C					
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	11.46	20	20	1.00	-232
I19.0C	0.00	•	•	4 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	262
Fill B25.0C	18.32	31	31	1.00	-263
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	27.23	48	48	1.00	-311
	_, , , _,			_,,,	
312+00.00 SUITABLE					
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	0.00	0	0	1.00	-311
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	224
Fill	10.58	20	20	1.00	-331
I19.0C	0 00	a	0	1 00	
Common Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Fill	17.20	33	33	1.00	-364
B25.0C	17.20	55	33	1.00	J0 <del>-</del>
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	23.52	47	47	1.00	-411
312+50.00 S9.5C	0.00	0	^	1 00	
Common Exc Subgrade Exc	0.00 0.00	0	0 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0 0	0	1.00	
Subsoil exc Fill	6.91	16	16	1.00	-427
LIII	0.91	70	10	1.00	-42/

I19.0C					
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	9.21	24	24	1.00	-451
B25.0C					
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	16.40	37	37	1.00	-488
313+00.00 S9.5C					
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	5.99	12	12	1.00	-500
I19.0C					
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	7.98	16	16	1.00	-516
B25.0C		_			
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	16.27	30	30	1.00	-546
313+50.00 S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	4.64	10	10	1.00	-556
I19.0C				_,,,	
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	6.19	13	13	1.00	-569
B25.0C		_			
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	12.73	27	27	1.00	-596
214.00 00 CUTTARIE					
314+00.00 SUITABLE	0.01	0	0	1 00	
Common Exc	9.91	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	F07
Fill	0.00	0	0	1.00	-587
SHOULDERBORROW	0.00	0	^	1 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	6.82	6	6	1.00	-593
S9.5C		-	_	_,_,	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
9					
Subsoil Exc	0.00	0	0	1.00	
Fill	7.52	11	11	1.00	-604
I19.0C					
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	8.06	13	13	1.00	-617
B25.0C	0.00	13	13	1.00	017
	0 00	a	0	1 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	6.26	18	18	1.00	-635
314+50.00 SUITABLE					
Common Exc	16.34	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill					-611
	0.00	0	0	1.00	-011
SHOULDERBORROW		•	•	4 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	4.22	10	10	1.00	-621
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00		0	1.00	
		0			624
Fill	6.93	13	13	1.00	-634
I19.0C		_	_		
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	5.99	13	13	1.00	-647
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc			0	1.00	
	0.00	0			654
Fill	1.36	7	7	1.00	-654
215,00 00 51171015					
315+00.00 SUITABLE	12 50	27	27	1 00	
Common Exc	12.58	27	27	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-627

CHOIL DEBBORDON					
SHOULDERBORROW	0.00	0	0	1 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	620
Fill	7.50	11	11	1.00	-638
S9.5C	0.00	0	0	1 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	454
Fill	7.10	13	13	1.00	-651
I19.0C					
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	2.53	8	8	1.00	-659
B25.0C					
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	0.00	1	1	1.00	-660
315+50.00 SUITABLE					
Common Exc	12.84	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-636
SHOULDERBORROW					
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	7.57	14	14	1.00	-650
S9.5C					
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	5.96	12	12	1.00	-662
I19.0C					
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	0.00	2	2	1.00	-664
316+00.00 SUITABLE					
Common Exc	17.49	28	28	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-636
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
3	-		-	-	

	Subsoil		0.0			1.00	
	Fi]	11	4.00	ð 1:	1 1:	1 1.00 -	647
	S9.5C	Tv.a	0 0	3	0 /	1 00	
	Common Subgrade		0.00			0 1.00 0 1.00	
	Subsoil		0.00			1.00	
	Fi]		3.2				656
<b>^</b>				, M M A R Y	TOTA		
-	Materia				Adjusted		
				Volumes		Factor	
				(cu. yd.)	(cu. yd.)		
	SUITABLE						
		Common		218	218	1.00	
		Subgrade		0		1.00	
		Subsoil	EXC	0	0	1.00	
	CHOIL DEDDODDOLL	Fill		0	0	1.00	
	SHOULDERBORROW	Common	Evc	0	a	1.00	
		Subgrade		0 0	0 0	1.00	
		Subsoil		0	0	1.00	
		Fill	LXC	52	52	1.00	
	S9.5C	1 1 1 1		32	32	1.00	
	33.30	Common	Exc	0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil		0	0	1.00	
		Fill		278	278	1.00	
	I19.0C						
		Common		0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil	Exc	0	0	1.00	
		Fill		247	247	1.00	
	B25.0C	_	_			4 00	
		Common		0	0	1.00	
		Subgrade		0	_	1.00	
		Subsoil Fill	EXC	0 297	0 297	1.00 1.00	
•			DΙ			TOTAL	ς
T		3		1	II II A K I	TOTAL	5
				XS Quant	XS Ouant	Add/Sub Quant	Add/Sub
Quant				2 611		,	,
· ·	Material	Name		Unadjusted	Adjusted	Unadjusted	Adjusted
Mult				•	•	•	
				Volume	Volume	Volume	Volume
Factor	•						
				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)

SUITABLE

_		Common	Exc	218	218	0
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil	Fxc	0	0	0
0	1.00	Fill	ZXC		0	0
0	1.00	LIII		0	Ø	0
	SHOULDERBORROW	Common	Exc	0	0	0
0	1.00	Subgrade	Fxc	0	0	0
0	1.00	_			0	
0	1.00	Subsoil	EXC	0		0
0	1.00	Fill		52	52	0
	S9.5C	Common	Fxc	0	0	0
0	1.00					
0	1.00	Subgrade		0	0	0
0	1.00	Subsoil	Exc	0	0	0
0	1.00	Fill		278	278	0
Ū	I19.0C	C	<b>5</b>	0	0	0
0	1.00	Common		0	0	0
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil	Exc	0	0	0
		Fill		247	247	0
0	1.00 B25.0C					
0	1.00	Common	Exc	0	0	0
0	1.00	Subgrade	Exc	0	0	0
		Subsoil	Exc	0	0	0
0	1.00	Fill		297	297	0
COM FOR	1.00 IPUTING EARTHWORKS FOR IPUTING EARTHWORKS FOR IT IN IT IT IS IT IN IT	OR JOB = RI				

Material Name End Areas Unadjusted Adjusted Mult Mass

Station		(sq. ft.)	Volumes (cu. yd.)	Volumes (cu. yd.)	Factor	Ordinate
316+00.00						
	Common Exc	17.49	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
	SHOULDERBORROW				4 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	4.00	0	0	1.00	0
	S9.5C	0.00	•	•	4 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	3.27	0	0	1.00	0
216.50.00	CUTTABLE					
316+50.00		10 10	22	2.2	1 00	
	Common Exc	18.19	33	33	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	22
	Fill	0.00	0	0	1.00	33
	SHOULDERBORROW	0.00	•	0	1 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	26
	Fill	3.49	7	7	1.00	26
	S9.5C	0.00	0	0	1 00	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc Fill	0.00	0	0	1.00	20
	LIII	3.15	6	6	1.00	20
317+00.00						
	Common Exc	15.61	31	31	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	51
	SHOULDERBORROW					
	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	3.66	7	7	1.00	44
	S9.5C					
	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	4.22	7	7	1.00	37

317+50.	.00 SUITABLE					
	Common Exc	12.90	26	26	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	63
	SHOULDERBORROW					
	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	3.82	7	7	1.00	56
	S9.5C					
	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	7.05	10	10	1.00	46
318+00	.00 SUITABLE					
2_3.00	Common Exc	10.11	21	21	1.00	
	Subgrade Exc	0.00	0	-0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	67
	SHOULDERBORROW					
	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	3.72	7	7	1.00	60
	S9.5C					
	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	9.42	15	15	1.00	45
	I19.0C					
	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	0.99	1	1	1.00	44
318+50	.00 SUITABLE					
310.50	Common Exc	4.31	13	13	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	ø	0	1.00	
	Fill	0.00	0	0	1.00	57
	SHOULDERBORROW		-	-	_,,,,	
	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	4.27	7	7	1.00	50
	S9.5C					
	Common Exc	0.00	0	0	1.00	

Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Fill	9.88	18	18	1.00	32
I19.0C	J.00	10	10	1.00	32
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	6.12	7	7	1.00	25
, 111	0.12	,	,	1.00	23
319+00.00 SUITABLE					
Common Exc	1.27	5	5	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	30
SHOULDERBORROW					
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	2.36	6	6	1.00	24
S9.5C					
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	9.33	18	18	1.00	6
I19.0C					
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	12.44	17	17	1.00	-11
319+50.00 SUITABLE					
Common Exc	0.00	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.20	5	5	1.00	-15
SHOULDERBORROW					
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	5.36	7	7	1.00	-22
S9.5C					
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	7.81	16	16	1.00	-38
I19.0C					
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	13.62	24	24	1.00	-62

B25.0C					
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	8.48	8	8	1.00	-70
220.00 00 CHTTARLE					
320+00.00 SUITABLE Common Exc	0 00	a	0	1 00	
	0.00	0	0	1.00 1.00	
Subgrade Exc	0.00	0	0 0	1.00	
Subsoil Exc Fill	0.00 4.88	0 9	9	1.00	-79
SHOULDERBORROW	4.00	9	9	1.00	-79
Common Exc	0.00	a	a	1.00	
Subgrade Exc	0.00	0 0	0 0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.37	11	11	1.00	-90
S9.5C	0.37	11	11	1.00	- 30
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	7.81	14	14	1.00	-104
I19.0C					
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	13.69	25	25	1.00	-129
B25.0C					
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	4.03	12	12	1.00	-141
320+50.00 SUITABLE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	4.87	9	9	1.00	-150
SHOULDERBORROW	1.07			2.00	230
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	3.81	9	9	1.00	-159
S9.5C					
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	7.81	14	14	1.00	-173
I19.0C					
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	11.17	23	23	1.00	-196
B25.0C					
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	0.00	4	4	1.00	-200
321+00.00 SUITABLE					
Common Exc	6.46	6	6	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	-199
SHOULDERBORROW					
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	6.46	10	10	1.00	-209
S9.5C			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	220
Fill	14.20	20	20	1.00	-229
I19.0C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0	0 13	1.00	-242
LIII	2.65	13	13	1.00	-242
321+50.00 SUITABLE					
Common Exc	12.58	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-224
SHOULDERBORROW					
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	10.92	16	16	1.00	-240
S9.5C					
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	5.74	18	18	1.00	-258
I19.0C		_	_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	2.52
Fill	1.70	4	4	1.00	-262
B25.0C					

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	7.70	7	7	1.00	-269
322+00.00 SUITABLE					
Common Exc	18.66	29	29	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.12	2	2	1.00	-242
SHOULDERBORROW					
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	5.80	15	15	1.00	-257
S9.5C					
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	5.38	10	10	1.00	-267
I19.0C					
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	3.95	5	5	1.00	-272
B25.0C					
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	13.79	20	20	1.00	-292
322+50.00 SUITABLE				4 00	
Common Exc	60.88	74	74	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	-220
SHOULDERBORROW					
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	27.32	31	31	1.00	-251
S9.5C					
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	9.19	13	13	1.00	-264
I19.0C					
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	12.45	15	15	1.00	-279
B25.0C	0.00	•	•	4 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	31.96	42	42	1.00	-321
323+00.00 SUITABLE					
Common Exc	78.34	129	129	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-192
SHOULDERBORROW					
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	32.10	55	55	1.00	-247
S9.5C	52125			_,,,	
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	9.19	17	17	1.00	-264
I19.0C	9.19	17	17	1.00	-204
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	12.45	23	23	1.00	-287
B25.0C		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
Fill	24.47	52	52	1.00	-339
323+50.00 SUITABLE					
Common Exc	76.12	143	143	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill					106
	0.00	0	0	1.00	-196
SHOULDERBORROW	0.00	0	0	1 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	22.23	50	50	1.00	-246
S9.5C		_	_		
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 T10 AC	10.19	18	18	1.00	-264
I19.0C	0.00	0	^	1 00	
Common Exc	0.00	0	0	1.00	

Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Fill	16.73	27	27	1.00	-291
B25.0C	10.75	21	27	1.00	-291
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	12.60	34	34	1.00	-325
324+00.00 SUITABLE					
Common Exc	86.36	150	150	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-175
SHOULDERBORROW					
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	22.53	41	41	1.00	-216
S9.5C					
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	9.19	18	18	1.00	-234
I19.0C	0.00	•		4 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	262
Fill	14.14	29	29	1.00	-263
B25.0C	0.00	a	0	1 00	
Common Exc Subgrade Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	13.62	24	24	1.00	-287
FIII	13.02	24	24	1.00	-207
324+50.00 SUITABLE					
Common Exc	87.70	161	161	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-126
SHOULDERBORROW					
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	22.70	42	42	1.00	-168
S9.5C					
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	9.68	17	17	1.00	-185

I19.0C					
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	9.56	22	22	1.00	-207
B25.0C					
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	11.43	23	23	1.00	-230
325+00.00 SUITABLE					
Common Exc	80.07	155	155	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-75
SHOULDERBORROW					
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	22.70	42	42	1.00	-117
S9.5C					
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	9.18	17	17	1.00	-134
I19.0C	0.00		•	1 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	1.16
Fill	3.55	12	12	1.00	-146
B25.0C	0.00	0	٥	1 00	
Common Exc	0.00 0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0 0	0 0	1.00 1.00	
Subsoil Exc Fill	11.61	21	21	1.00	-167
LIII	11.01	21	21	1.00	-107
325+50.00 SUITABLE					
Common Exc	63.03	132	132	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	2-
Fill	0.00	0	0	1.00	-35
SHOULDERBORROW	0.00	0	0	1 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	c <del>7</del>
Fill	11.67	32	32	1.00	-67
S9.5C Common Exc	0.00	0	ρ	1.00	
Subgrade Exc	0.00	0	0 0	1.00	
Subgrade EXC	0.00	V	V	1.00	

Subsoil Exc	0.00	0	0	1.00	
Fill	5.55	14	14	1.00	-81
I19.0C					
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	3.05	6	6	1.00	-87
B25.0C					
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	11.49	21	21	1.00	-108
. 111				2.00	200
326+00.00 SUITABLE					
Common Exc	45.29	100	100	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-8
SHOULDERBORROW	0.00	· ·	J	_,,,	Ū
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	12.31	22	22	1.00	-30
S9.5C	12.51	22	22	1.00	30
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.99	6	6	1.00	-36
I19.0C	0.55	O	U	1.00	- 50
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00		0	1.00	
Subsoil Exc		0	0	1.00	
Subsoil Exc Fill	0.00	0	6		42
B25.0C	3.03	6	б	1.00	-42
	0 00	a	a	1 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	63
Fill	11.42	21	21	1.00	-63
326+50.00 SUITABLE					
Common Exc	37.91	77	77	1.00	
Subgrade Exc	0.00	0		1.00	
Subsoil Exc	0.00		0	1.00	
Subsoil Exc Fill		0	0		1.4
	0.00	0	0	1.00	14
SHOULDERBORROW	0.00	^	^	1 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	4.0
Fill	13.56	24	24	1.00	-10
S9.5C					

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00		ø	1.00	
		0			4.0
Fill	0.97	2	2	1.00	-12
I19.0C					
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	2.97	6	6	1.00	-18
	2.37	U	U	1.00	-10
B25.0C		•	•	4 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	11.22	21	21	1.00	-39
327+00.00 SUITABLE					
Common Exc	32.33	65	65	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.41	0	0	1.00	26
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
					4
Fill	10.73	22	22	1.00	4
S9.5C					
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	0.94	2	2	1.00	2
I19.0C	0.5.	_	_	2.00	_
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	2.82	5	5	1.00	-3
B25.0C					
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					25
FIII	13.07	22	22	1.00	-25
227.50 00 CUTTABLE					
327+50.00 SUITABLE	24 07			1 00	
Common Exc	31.97	60	60	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.23	1	1	1.00	34
SHOULDERBORROW					
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	13.53	22	22	1.00	12
	S9.5C					
	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	0.92	2	2	1.00	10
	I19.0C					
	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	2.87	5	5	1.00	5
	B25.0C					
	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	10.91	22	22	1.00	-17
	328+00.00 SUITABLE					
	Common Exc	24.02	52	52	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	35
	SHOULDERBORROW					
	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	10.54	22	22	1.00	13
	S9.5C					
	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	0.00	1	1	1.00	12
	I19.0C					
	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	2.16	5	5	1.00	7
	B25.0C					
	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	7.78	17	17	1.00	-10
♠	$G \; R \; A \; N \; D$	S U M M	ARY TO	OTALS	5	
	Material Name	Unad	djusted Adjus	sted Mu	ılt	
		Volu	umes Volum	nes Fa	ictor	
		(cu	. yd.) (cu.	yd.)		
	CUTT-5: -					
	SUITABLE	on Fra	1401	1 / 0 1	1 00	
		on Exc	1481	1481	1.00	
	Subgra	de Exc	0	0	1.00	

		Subsoil	Exc		0		0	1.0	90			
		Fill			33		33	1.0	90			
	SHOULDE	ERBORROW	_		_		_		_			
		Common			0		0					
		Subgrade			0		0					
		Subsoil	EXC		0		0					
	CO FC	Fill			514		514	1.6	96			
	S9.5C	Common	Evc		0		0	1 0	10			
		Subgrade			0 0		0 0					
		Subsoil			0		0	1.6				
		Fill	LXC		293		293	1.6				
	I19.0C	1 111			293		293	1.6	70			
	119.00	Common	Fvc		0		0	1.0	10			
		Subgrade			0		0					
		Subsoil			0		0	1.0				
		Fill	LXC		280		280	1.0				
	B25.0C	1 111			200		200	1.0	,0			
	D23.0C	Common	Fxc		0		0	1.0	10			
		Subgrade			0		0					
		Subsoil			0		0					
		Fill	LXC		371		371					
<b>^</b>			P L :	тт		M M A			,0 O T A	۱ ،	5	
-			_		5 0			-	•			
				XS Q	uant	XS Q	uant	Add/S	sub Qu	ant	Add/Sub	
Qua	nt											
	M	Material Name		Unad	justed	Adju	ısted	Unadj	justed		Adjusted	
М	ult											
				Volu	me	Volu	ıme	Volum	1e		Volume	
F	actor											
				(cu.	yd.)	(cu.	yd.)	(cu.	yd.)		(cu. yd.)	
	SUITABL	_E										
		Common	Exc		1481		1481			0		
0	1.00											
		Subgrade	Exc		0		0			0		
0	1.00	3.1.6										
-		Subsoil	Exc		0		0			0		
0	1.00											
		Fill			33		33			0		
0	1.00											
		ERBORROW										
		Common	Exc		0		0			0		
0	1.00											
			Evc		_		_			0		
		Subgrade	EXC		0		0			_		
0	1.00	Subgrade	EXC		0		0			Ū		
0	1.00	Subgrade Subsoil			0		0			0		
0	1.00	_										

•	1 00	Fill		514	514		0
0	1.00 S9.5C						
0	1 00	Common	Exc	0	0		0
0	1.00	Subgrade	Exc	0	0		0
0	1.00	Subsoil	Fvc	0	0		0
0	1.00		LXC				
0	1.00	Fill		293	293		0
	I19.0C		_				0
0	1.00	Common	EXC	0	0		0
0	1.00	Subgrade	Exc	0	0		0
Ø	1.00	Subsoil	Exc	0	0		0
0	1.00	Fill		280	280		0
0	1.00	, 111		200	200		·
	B25.0C	Common	Exc	0	0		0
0	1.00						
0	1.00	Subgrade	EXC	0	0		0
0	1.00	Subsoil	Exc	0	0		0
		Fill		371	371		0
0 <b>↑</b>	1.00	BALANCE	Р	OINT	SUMMA	R Y	
	L	Material Name		Cumula		Increme	ental
Mul	τ			Unadjusted	Adjusted	Unadjusted	Adjusted
Fact	tor			Volumes	Volumes	Volumes	Volumes
						(cu. yd.)	
St	tation = 318 SUITAB						
1.00	a	Common	Exc	127	127	127	127
		Subgrade	Exc	0	0	0	0
1.00	9	Subsoil	Exc	0	0	0	0
1.00	9						
1.00	9	Fill		0	0	0	0
	UNSUIT	ABLE Common	Evc	0	۵	۵	a
		Common	EXC	0	0	0	0

1.00						
	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLEMARGINAL					
1.00	Common	Exc	0	0	0	0
	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	DDE					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLEDDE					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNDERCUT	_				_
1.00	Common		0	0	0	0
1.00	Subgrade		0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	SHOULDERBORROW Common	Eve	0	0	0	0
1.00						
1.00	Subgrade		0	0	0	0
1.00	Subsoil	Exc	0	0	0	0

1 00	Fill		39	39	39	39
1.00	SELECTMATERIAL	_		_	_	_
1.00	Common		0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
	Fill		0	0	0	0
1.00	S9.5C					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
	Fill		69	69	69	69
1.00	I19.0C					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
	Fill		20	20	20	20
1.00	B25.0C					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
	Fill		0	0	0	0
1.00	ABC					
1.00	Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	WALL					
1.00	Common	Exc	0	0	0	0

	Subgrade Exc	0	0	0	0
1.00	Subsoil Exc	0	0	0	0
1.00	Fill	0	0	0	0
1.00	, 111	J	J	J	Ū

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW L Phase-5.inp
Output File: EW L Phase-5.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 xs dgn = HB0002_rdy_xsc_L_phase-5.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5C
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = I19.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = B25.0C
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Pvmt Course 3
     100
 1
           100
 1
     101
           101 Proposed Undercut
 1
     102
           102 common exc only
     103
           103 soil type = ABC
 1
           104 fill mult factor = 1.00
 1
     104
     105
           105 type = line,line_string
 1
     106
           106 lvname = Prop CMT Pvmt Course 4
 1
 1
     107
           107
     108
           108 Proposed Undercut
 1
           109 common exc only
 1
     109
           110 soil type = Wall
 1
     110
 1
     111
           111 fill mult factor = 1.00
 1
     112
           112 type = line, line string
 1
     113
           113 lvname = Prop CMT Concrete Wall
 1
     114
           114
 1
     115
           115 excavation limits
 1
     116
           116 lvname = Prop XS Exc Vertical Line 1
 1
     117
           117 \text{ type} = \text{line}
 1
     118
           118
 1
     119
           119 Write Earthwork Shapes
 1
     120
           120 plot param
 1
           121 lvname = WEI XS Earthwork
     121
           122 Stratify Shape Color
 1
     122
     123
 1
           123
 1
     124
           124 vertical search distance = 200
 1
     125
           125
           126 /*calculate only between excavation limits*/
 1
     126
 1
     127
           127
           128 End Area Decimal Places = 2
 1
     128
     129
 1
           129
     130
           130 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\05-L-Phase5-30300-31600.txt
 1
     131
           131
     132
           132 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
voll
           133 column 1 number of decimal place = 0
 1
     133
 1
     134
           134 column 1 total length = 10
 1
     135
           135
 1
     136
           136 column 2 formula = ["SUITABLE", Fill, unadj vol]
     137
           137 column 2 number of decimal place = 0
 1
           138 column 2 total length = 10
 1
     138
     139
 1
           139
           140 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
     140
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           141 column 3 number of decimal place = 0
 1
     141
           142 column 3 total length = 10
 1
     142
     143
 1
     144
           144 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
```

```
1
     145
           145 column 4 number of decimal place = 0
     146
           146 column 4 total length = 10
 1
     147
 1
           147
           148 column 5 formula = ["SHOULDERBORROW", Fill, end area]
 1
     148
     149
           149 column 5 number of decimal place = 2
 1
 1
     150
           150 column 5 total length = 10
     151
 1
           151
           152 column 6 formula = ["S9.5C", Fill, End Area]
     152
 1
           153 column 6 number of decimal place = 2
 1
     153
     154
           154 column 6 total length = 10
 1
 1
     155
           155
           156 column 7 formula = ["I19.0C", Fill, End Area]
 1
     156
 1
     157
           157 column 7 number of decimal place = 2
           158 column 7 total length = 10
 1
     158
     159
 1
           159
 1
     160
           160 column 8 formula = ["B25.0C", Fill, End Area]
           161 column 8 number of decimal place = 2
 1
     161
 1
     162
           162 column 8 total length = 10
 1
     163
           163
           164 column 9 formula = ["ABC", Fill, End Area]
 1
     164
           165 column 9 number of decimal place = 2
 1
     165
 1
     166
           166 column 9 total length = 10
 1
     167
           167
           168 Process Earthwork for Baseline = L
 1
     168
           169 job number = rdy
 1
     169
 1
     170
           170
 1
     171
           171 beg sta = 303+00.00
 1
     172
           172 \text{ end sta} = 316+00.00
 1
     173
     174
           174 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\05-L-Phase5-31600-33150.txt
     175
           175
           176 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     176
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           177 column 1 number of decimal place = 0
 1
     177
 1
     178
           178 column 1 total length = 10
     179
           179
 1
 1
     180
           180 column 2 formula = ["SUITABLE", Fill, unadj vol]
           181 column 2 number of decimal place = 0
     181
 1
 1
     182
           182 column 2 total length = 10
     183
 1
           184 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
     184
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           185 column 3 number of decimal place = 0
     185
 1
     186
           186 column 3 total length = 10
     187
 1
           187
           188 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
 1
     188
           189 column 4 number of decimal place = 0
 1
     189
     190
           190 column 4 total length = 10
```

```
192 column 5 formula = ["SHOULDERBORROW", Fill, end area]
1
    192
    193
          193 column 5 number of decimal place = 2
1
          194 column 5 total length = 10
1
    194
    195
1
          195
1
    196
          196 column 6 formula = ["S9.5C", Fill, End Area]
          197 column 6 number of decimal place = 2
    197
1
    198
          198 column 6 total length = 10
1
1
    199
          199
          200 column 7 formula = ["I19.0C", Fill, End Area]
    200
1
          201 column 7 number of decimal place = 2
1
    201
          202 column 7 total length = 10
1
    202
1
    203
          203
    204
          204 column 8 formula = ["B25.0C", Fill, End Area]
1
          205 column 8 number of decimal place = 2
1
    205
1
    206
          206 column 8 total length = 10
    207
1
          207
1
    208
          208 column 9 formula = ["ABC", Fill, End Area]
          209 column 9 number of decimal place = 2
1
    209
1
    210
          210 column 9 total length = 10
1
    211
1
    212
          212 Process Earthwork for Baseline = L
          213 job number = rdy
1
    213
    214
1
          214
    215
1
          215 beg sta = 316+00.00
1
    216
          216 \text{ end sta} = 331+50.00
1
    217
          217
1
    218
          218
1
    219
          219
1
    220
          220
1
    221
          221
1
    222
         222
1
    223
         223
1
    224
          224
          225 END_OF_FILE
COMPUTING EARTHWORKS FOR BASELINE = L
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name
                           End Areas Unadjusted Adjusted
                                                          Mult
                                                                 Mass
                                     Volumes
                                                Volumes
Station
                                                          Factor Ordinate
                           (sq. ft.) (cu. yd.) (cu. yd.)
307+50.00 SUITABLE
                                           0
                                                          1.00
               Common Exc
                              9.49
                                                      0
                                                     0
                              0.00
                                          0
                                                          1.00
             Subgrade Exc
                                           0
                                                     0
              Subsoil Exc
                             0.00
                                                          1.00
                              0.00
                                           0
                                                          1.00
                                                                      0
                  Fill
           SHOULDERBORROW
```

Common Exc Subgrade Exc Subsoil Exc	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	0
Fill S9.5C	8.55	0	0	1.00	0
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	3.01	0	0	1.00	0
308+00.00 SUITABLE					
Common Exc	13.12	21	21	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	21
SHOULDERBORROW					
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	12.90	20	20	1.00	1
S9.5C Common Exc	0 00	۵	۵	1 00	
	0.00 0.00	0 0	0 0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Fill	4.30	7	7	1.00	-6
1111	4.50	,	,	1.00	-0
308+50.00 SUITABLE					
Common Exc	16.23	27	27	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	21
SHOULDERBORROW	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 18.72	0 29	0 29	1.00 1.00	-8
S9.5C	10.72	23	23	1.00	-0
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	4.36	8	8	1.00	-16
309+00.00 SUITABLE	22 =2	2=	~-	4 66	
Common Exc	23.72	37	37	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	21
Fill SHOULDERBORROW	0.00	0	0	1.00	21
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subbi and Exc	0.00	J	Ū	1.00	

Subsoil Exc	0.00	0	0	1.00	
Fill	25.65	41	41	1.00	-20
S9.5C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill		7	7	1.00	-27
	2.75	/	/	1.00	-21
I19.0C				4 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	3.70	3	3	1.00	-30
309+50.00 SUITABLE					
Common Exc	31.03	51	51	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
					21
Fill	0.00	0	0	1.00	21
SHOULDERBORROW	0.00	•	•	1 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	34.77	56	56	1.00	-35
S9.5C					
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	2.75	5	5	1.00	-40
I19.0C	2.75			2.00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc					
<u> </u>	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4.0
Fill	4.49	8	8	1.00	-48
310+00.00 SUITABLE					
Common Exc	40.92	67	67	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	19
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	48.92			1.00	гο
	40.92	77	77	T.00	-58
S9.5C	2 22	•	_	4 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	2.75	5	5	1.00	-63
I19.0C					

Subgrade Exc   0.00   0   0   1.00
Subsoil Exc   0.00   0   0   1.00   -71
B25.0C
Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Fill   5.93   5   5   1.00   -76
Subgrade Exc   0.00   0   0   1.00
Subsoil Exc
Fill   5.93   5   5   1.00   -76   310+50.00 SUITABLE   Common Exc   24.77   61   61   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   -15   SHOULDERBORROW   Common Exc   0.00   0   0   1.00   -15   SHOULDERBORROW   Subsoil Exc   0.00   0   0   1.00   -15   Subgrade Exc   0.00   0   0   1.00   -92   S9.5C   Common Exc   0.00   0   0   1.00   -92   S9.5C   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   -97   S9.5C   Common Exc   0.00   0   0   1.00   -97   Subgrade Exc   0.00   0   0   1.00   -109   Subgrade Exc   0.00   0   0   1.00   -109   Subgrade Exc   0.00   0   0   1.00   -109   Subgrade Exc   0.00   0   0   1.00   -114   Subgrade Exc   0.00   0   0   1.00   -114   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   0   0   0   0
310+50.00 SUITABLE
Common Exc   24.77   61   61   1.00
Common Exc   24.77   61   61   1.00
Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   -15
Subsoil Exc   0.00   0   0   1.00   1.00   Fill   0.00   0   0   1.00   -15
Fill   0.00   0   0   1.00   -15
SHOULDERBORROW
Common Exc         0.00         0         1.00           Subgrade Exc         0.00         0         1.00           Subsoil Exc         0.00         0         1.00           Fill         34.73         77         77         1.00         -92           S9.5C         Common Exc         0.00         0         0         1.00         -92           Subgrade Exc         0.00         0         0         1.00         -92           Subsoil Exc         0.00         0         0         1.00         -92           I19.0C         Common Exc         0.00         0         0         1.00         -97           I19.0C         Common Exc         0.00         0         0         1.00         -97           I19.0C         Common Exc         0.00         0         0         1.00         -97           I19.0C         Common Exc         0.00         0         0         1.00         -109           Subsoil Exc         0.00         0         0         1.00         -109           B25.0C         Common Exc         0.00         0         0         1.00         -114
Subgrade Exc       0.00       0       1.00         Subsoil Exc       0.00       0       1.00         Fill       34.73       77       77       1.00       -92         S9.5C       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       2.75       5       5       1.00       -97         I19.0C         Common Exc       0.00       0       0       1.00       -97         Subgrade Exc       0.00       0       0       1.00       -97         I19.0C       0       0       1.00       -109         Subsoil Exc       0.00       0       0       1.00       -109         B25.0C       0
Subsoil Exc       0.00       0       1.00         Fill       34.73       77       77       1.00       -92         S9.5C       Common Exc       0.00       0       0       1.00       -92         Subgrade Exc       0.00       0       0       1.00       -97         Subsoil Exc       0.00       0       0       1.00       -97         I19.0C       Common Exc       0.00       0       0       1.00       -97         Subgrade Exc       0.00       0       0       1.00       -97         I19.0C       Common Exc       0.00       0       0       1.00       -97         Subsoil Exc       0.00       0       0       1.00       -97         B25.0C       Common Exc       0.00       0       0       1.00       -109         B25.0C       Common Exc       0.00       0       0       1.00       -109         Subsoil Exc       0.00       0       0       1.00       -114         311+00.00       Subgrade Exc       0.00       0       0       1.00       -55         Subsoil Exc       0.
Fill       34.73       77       77       1.00       -92         S9.5C       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       2.75       5       5       1.00       -97         IT19.0C         Common Exc       0.00       0       0       1.00       -97         Subgrade Exc       0.00       0       0       1.00       -97         IT19.0C         Common Exc       0.00       0       0       1.00       -97         IT19.0C         Common Exc       0.00       0       0       1.00       -100         Subgrade Exc       0.00       0       0       1.00       -100         Subsoil Exc       0.00       0       0       1.00       -114         311+00.00 SUITABLE         Common Exc       38.70       59       59       1.00       -100         Subgrade Exc       0.00       0       0       1.00       -100         <
S9.5C  Common Exc
Common Exc         0.00         0         1.00           Subgrade Exc         0.00         0         1.00           Subsoil Exc         0.00         0         1.00           Fill         2.75         5         5         1.00         -97           I19.0C         Common Exc         0.00         0         0         1.00         -97           Subgrade Exc         0.00         0         0         1.00         -97           Subsoil Exc         0.00         0         0         1.00         -97           Fill         8.92         12         1.00         -109         -11
Subgrade Exc       0.00       0       1.00         Subsoil Exc       0.00       0       1.00         Fill       2.75       5       5       1.00       -97         I19.0C         Common Exc       0.00       0       0       1.00       -97         Subgrade Exc       0.00       0       0       1.00       -97         Subsoil Exc       0.00       0       0       1.00       -97         B25.0C       0.00       0       0       1.00       -109         B25.0C       0.00       0       0       1.00       -109         Subgrade Exc       0.00       0       0       1.00       -109         Subsoil Exc       0.00       0       0       1.00       -114         311+00.00 SUITABLE       0       0       0       1.00       -100         Subgrade Exc       0.00       0       0       1.00       -55
Subsoil Exc       0.00       0       1.00         Fill       2.75       5       5       1.00       -97         T19.0C       Common Exc       0.00       0       0       1.00       -97         Subgrade Exc       0.00       0       0       1.00       -97         Subsoil Exc       0.00       0       0       1.00       -100         Subgrade Exc       0.00       0       0       1.00       -109         Subsoil Exc       0.00       0       0       1.00       -109         311+00.00 SUITABLE       0.00       0       0       1.00       -114         311+00.00 Subgrade Exc       0.00       0       0       1.00       -55
Fill   2.75   5   5   1.00   -97
I19.0C  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 8.92 12 12 1.00 -109 B25.0C  Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 5 5 1.00 -114  311+00.00 SUITABLE  Common Exc 38.70 59 59 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -55
Common Exc       0.00       0       1.00         Subgrade Exc       0.00       0       1.00         Subsoil Exc       0.00       0       1.00         Fill       8.92       12       12       1.00       -109         B25.0C       Common Exc       0.00       0       0       1.00       -109         Subgrade Exc       0.00       0       0       1.00       -114         Subsoil Exc       0.00       0       0       1.00       -114         311+00.00 SUITABLE         Common Exc       38.70       59       59       1.00       -114         Subgrade Exc       0.00       0       0       1.00       -55         Subsoil Exc       0.00       0       0       1.00       -55
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       8.92       12       12       1.00       -109         B25.0C       Common Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       0       0       1.00
Subsoil Exc       0.00       0       0       1.00         Fill       8.92       12       12       1.00       -109         B25.0C       Common Exc       0.00       0       0       1.00       0       1.00       0       1.00       0       1.00       0       1.00       -114       0       0       0       1.00       -114       0       0       0       1.00       -114       0       0       0       1.00       -114       0       0       0       1.00       -114       0       0       0       0       0       1.00       -114       0       0       0       0       0       0       0       0       -114       0       -55       0       0       0       0       0       0       0       -55       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0
Fill 8.92 12 12 1.00 -109 B25.0C  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 0.00 5 5 1.00 -114  311+00.00 SUITABLE  Common Exc 38.70 59 59 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -55
B25.0C  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 0.00 5 5 1.00 -114  311+00.00 SUITABLE  Common Exc 38.70 59 59 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -55
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 0.00 5 5 1.00 -114  311+00.00 SUITABLE  Common Exc 38.70 59 59 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -55
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       5       5       1.00       -114         311+00.00 SUITABLE         Common Exc       38.70       59       59       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       0       0       1.00       -55
Subsoil Exc       0.00       0       0       1.00         Fill       0.00       5       5       1.00       -114         311+00.00 SUITABLE         Common Exc       38.70       59       59       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       0       0       1.00       -55
Fill 0.00 5 5 1.00 -114  311+00.00 SUITABLE  Common Exc 38.70 59 59 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -55
311+00.00 SUITABLE  Common Exc 38.70 59 59 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -55
Common Exc38.7059591.00Subgrade Exc0.00001.00Subsoil Exc0.00001.00Fill0.00001.00-55
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       0       0       1.00       -55
Subsoil Exc       0.00       0       0       1.00         Fill       0.00       0       0       1.00       -55
Fill 0.00 0 0 1.00 -55
SHOULDERBORROW
Common Exc 0.00 0 1.00
Subgrade Exc 0.00 0 1.00
Subsoil Exc 0.00 0 1.00
Fill 15.45 46 46 1.00 -101
S9.5C
Common Exc 0.00 0 1.00
Subgrade Exc 0.00 0 1.00
Subsoil Exc 0.00 0 0 1.00

Fill I19.0C	3.07	5	5	1.00	-106
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill					121
LIII	7.12	15	15	1.00	-121
311+50.00 SUITABLE				4 00	
Common Exc	28.07	62	62	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-59
SHOULDERBORROW					
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	26.71	39	39	1.00	-98
S9.5C					
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	1.97	5	5	1.00	-103
I19.0C		-	_	_,,,	
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	3.99	10	10	1.00	-113
	3.33	10	10	1.00	113
312+00.00 SUITABLE					
Common Exc	33.56	57	57	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-56
SHOULDERBORROW					
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	27.12	50	50	1.00	-106
S9.5C					
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	1.85	4	4	1.00	-110
I19.0C	-			-	-
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	2.73	6	6	1.00	-116
B25.0C					110
Common Exc	0.00	0	0	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 3.15	0 3	0 3	1.00 1.00	-119
1111	3.13	3	J	1.00	113
312+50.00 SUITABLE					
Common Exc	37.32	66	66	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-53
SHOULDERBORROW					
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	28.31	51	51	1.00	-104
S9.5C	0.00	•	•	1 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	400
Fill	2.69	4	4	1.00	-108
I19.0C	0.00	0	0	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0	0	1.00	-116
B25.0C	6.07	8	8	1.00	-110
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	1.49	4	4	1.00	-120
1111	1.45	4	7	1.00	120
313+00.00 SUITABLE					
Common Exc	40.46	72	72	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-48
SHOULDERBORROW					
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	31.49	55	55	1.00	-103
S9.5C			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	400
Fill	2.45	5	5	1.00	-108
I19.0C	0.00	•	^	1 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	110
Fill	5.14	10	10	1.00	-118

B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	1	1	1.00	-119
212.50 00 CUTTABLE					
313+50.00 SUITABLE	47.00	01	01	1 00	
Common Exc	47.08	81	81	1.00	
Subgrade Exc Subsoil Exc		0	0	1.00	
Subsoil Exc Fill	0.00 0.00	0	0 0	1.00 1.00	20
SHOULDERBORROW		Ø	Ø	1.00	-38
Common Exc		0	0	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	38.81	65	65	1.00	-103
S9.5C	38.81	05	05	1.00	-103
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	2.87	5	5	1.00	-108
I19.0C					
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	5.16	10	10	1.00	-118
314+00.00 SUITABLE					
Common Exc	37.43	78	78	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-40
SHOULDERBORROW					
Common Exc	0.00	0	0	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc		0	0	1.00	
Fill	31.46	65	65	1.00	-105
S9.5C					
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	0.00	3	3	1.00	-108
I19.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	5	5	1.00	-113
314+50.00 SUITABLE					
Common Exc	53.35	84	84	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-29
SHOULDERBORROW					
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	24.81	52	52	1.00	-81
WALL					
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	9.35	9	9	1.00	-90
315+00.00 SUITABLE					
Common Exc	46.41	92	92	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	0.00	0	0	1.00	2
SHOULDERBORROW	0.00	Ü	· ·	1.00	_
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	28.48	49	49	1.00	-47
WALL	201.10				• •
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	14.31	22	22	1.00	-69
				_,_,	
315+50.00 SUITABLE					
Common Exc	44.21	84	84	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	15
SHOULDERBORROW					
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	36.11	60	60	1.00	-45
WALL					
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	15.24	27	27	1.00	-72
316+00.00 SUITABLE					
Common Exc	47.64	85	85	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
. = -	-		-	-	

Fill	0.00	0	0	1.00	13
SHOULDERBORROW	0.00	Ü	O	1.00	13
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	49.64	79	79	1.00	-66
WALL	.5.0.		, ,	2.00	
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	7.24	21	21	1.00	-87
GRAND			0 T A L		•
Material Name		djusted Adju			
ria cer Iai riaine		umes Volu		actor	
		yd.) (cu.		ac co.	
SUITABLE					
	on Exc	1084	1084	1.00	
Subgra	de Exc	0	0	1.00	
	il Exc	0	0	1.00	
Fi		0	0	1.00	
SHOULDERBORROW					
	on Exc	0	0	1.00	
Subgra		0	0	1.00	
	il Exc	0	0	1.00	
Fi		911	911	1.00	
S9.5C					
	on Exc	0	0	1.00	
Subgra		0	0	1.00	
9	il Exc	0	0	1.00	
Fi		68	68	1.00	
I19.0C					
Commo	on Exc	0	0	1.00	
Subgra	de Exc	0	0	1.00	
Subso	il Exc	0	0	1.00	
Fi		95	95	1.00	
B25.0C					
Commo	on Exc	0	0	1.00	
Subgra	de Exc	0	0	1.00	
Subso	il Exc	0	0	1.00	
Fi	11	18	18	1.00	
WALL					
Commo	on Exc	0	0	1.00	
Subgra		0	0	1.00	
Subso	il Exc	0	0	1.00	
Fi	11	79	79	1.00	
	SPLIT	S U M M	ARY	TOT	ALS

XS Quant XS Quant Add/Sub Quant Add/Sub

Quant

	47.4	Material	Name		Unad	justed	Adju	sted	Unad	justed		Adju	sted
	Mult				Volu	ne	Volume		Volu	me	Volume		me
F	actor				(cu.	yd.)	(cu.	yd.)	(cu.	yd.)		(cu.	yd.)
	9	SUITABLE											
0	1.00		Common	Exc		1084		1084			0		
	1.00		Subgrade	Exc		0		0			0		
0			Subsoil	Exc		0		0			0		
0	1.00		Fill			0		0			0		
0	1.00	CHOULDEDDODDOU											
		SHOULDERBORROW	Common	Exc		0		0			0		
0	1.00		Subgrade	Exc		0		0			0		
0	1.00		•										
0	1.00		Subsoil	EXC		0		0			0		
0	1.00		Fill			911		911			0		
Ü		S9.5C	•	_		•		•			_		
0	1.00		Common	EXC		0		0			0		
0	1.00		Subgrade	Exc		0		0			0		
			Subsoil	Exc		0		0			0		
0	1.00		Fill			68		68			0		
0		I19.0C											
_		113.00	Common	Exc		0		0			0		
0	1.00		Subgrade	Exc		0		0			0		
0	1.00		Subsoil	Fxc		0		0			0		
0	1.00			LXC									
0	1.00		Fill			95		95			0		
	i	325.0C	Common	Evc		0		0			0		
0	1.00												
0	1.00		Subgrade	Exc		0		0			0		
			Subsoil	Exc		0		0			0		

Ū	1.00	ĺ	-ill	18	18		0
0	1.00						-
	WALI	-					
		Cor	nmon Exc	0	0		0
0	1.00						
		Subgi	rade Exc	0	0		0
0	1.00						
		Subs	soil Exc	0	0		0
0	1.00						
		I	-i11	79	79		0
0	1.00						
		ARTHWORKS FOR BASI					
		ARTHWORKS FOR JOB	= RDY				
		OF XSCELLS	ETON				
	INNING EA	ARTHWORKS COMPUTA	I TON				
<b>^</b>		Material Name	End Anosc	Unadiusted	Adiusted	M.,1+	Mass
C+ at	tion	Material Name	enu Areas	Unadjusted Volumes			Ordinate
Sta	CIOII		(sa ft )	(cu. yd.)		i ac coi	OI UIIIACE
			(34. 10.)	(cu. yu.)	(ca. ya.)		
31	16+00.00	SUITABLE					
		Common Exc	47.64	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
		SHOULDERBORROW					
		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	49.64	0	0	1.00	0
		WALL					
		Common Exc	0.00	0	0	1.00	
		Subgrade Exc		0	0	1.00	
		Subsoil Exc	0.00	0	0	1.00	
		Fill	7.24	0	0	1.00	0
2.4	16 50 00	CUTTARIE					
3.	16+50.00	SUITABLE	20 65	90	90	1 00	
		Common Exc Subgrade Exc	38.65	80 0	80	1.00	
		Subsoil Exc	0.00 0.00	0	0	1.00 1.00	
		Fill	0.00	0	0 0	1.00	80
		SHOULDERBORROW	0.00	Ø	Ø	1.00	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	49.46	92	92	1.00	-12
		WALL	.5.10	J <u>-</u>	, <u>, , , , , , , , , , , , , , , , , , </u>	1.00	
		Common Exc	0.00	0	0	1.00	
		Subgrade Exc	0.00	0	0	1.00	
		<b>U</b>		-	-	-	

0

1.00

Subsoil Exc Fill	0.00 13.69	0 19	0 19	1.00 1.00	-31
				_,,,	<u> </u>
317+00.00 SUITABLE	20 50	70	70	1 00	
Common Exc	38.59	72	72	1.00	
Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subsoil Exc Fill	0.00	0	0	1.00	41
SHOULDERBORROW	0.00	0	U	1.00	41
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	57.30	99	99	1.00	-58
WALL					
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	12.12	24	24	1.00	-82
317+50.00 SUITABLE					
Common Exc	38.87	72	72	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-10
SHOULDERBORROW		-	-		
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	63.46	112	112	1.00	-122
WALL					
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	11.54	22	22	1.00	-144
318+00.00 SUITABLE					
Common Exc	39.55	73	73	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-71
SHOULDERBORROW					
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	69.91	123	123	1.00	-194
WALL		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	245
Fill	11.04	21	21	1.00	-215

318+50.00 SUITABLE					
Common Exc	39.35	73	73	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-142
SHOULDERBORROW					
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	72.07	131	131	1.00	-273
WALL					
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	10.38	20	20	1.00	-293
319+00.00 SUITABLE					
Common Exc	39.68	73	73	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-220
SHOULDERBORROW					
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	78.78	140	140	1.00	-360
WALL					
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	9.90	19	19	1.00	-379
319+50.00 SUITABLE					
Common Exc	36.78	71	71	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-308
SHOULDERBORROW					
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	80.44	147	147	1.00	-455
S9.5C					
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	3.25	3	3	1.00	-458
I19.0C	0 00	0	Ω	1 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	3.91	4	4	1.00	-462
B25.0C	3.31	7	7	1.00	-402
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	2.33	2	2	1.00	-464
WALL					
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	8.70	17	17	1.00	-481
320+00.00 SUITABLE					
Common Exc	36.81	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	-413
SHOULDERBORROW	0.00	O	O	1.00	713
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	78.28	147	147	1.00	-560
S9.5C				_,,,	
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	3.25	6	6	1.00	-566
I19.0C					
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	3.90	7	7	1.00	-573
B25.0C					
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	6.45	8	8	1.00	-581
WALL	0.00	0	٥	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0	0 15	1.00	FOC
FIII	7.72	15	15	1.00	-596
320+50.00 SUITABLE					
Common Exc	37.15	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	-528

	SHOULDERBORROW					
	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	76.98	144	144	1.00	-672
	S9.5C					
	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	3.25	6	6	1.00	-678
	I19.0C					
	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	3.89	7	7	1.00	-685
	B25.0C					
	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	10.97	16	16	1.00	-701
	WALL					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	=4.4
	Fill	6.22	13	13	1.00	-714
321+00.00	SUITABLE					
	Common Exc	22.59	55	55	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	-659
	SHOULDERBORROW					
	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	45.73	114	114	1.00	-773
	S9.5C					
	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	3.25	6	6	1.00	-779
	I19.0C		_			
	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 B25.0C	4.33	8	8	1.00	-787
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	24525TT EVE		U	U		

Common Exc	Fill WALL	25.30	34	34	1.00	-821
Subgrade Exc   0.00   0   0   1.00   1.00   1.00   Fill   4.56   10   10   1.00   -831		0 00	a	a	1 00	
Subsoil Exc   Fill   4.56   10   10   1.00   -831						
Fill   4.56   10   10   1.00   -831						
321+50.00 SUITABLE   Common Exc   19.29   39   39   1.00						004
Common Exc   19.29   39   39   1.00	F111	4.56	10	10	1.00	-831
Subgrade Exc   0.00   0   0   1.00						
Subsoil Exc				39		
Fill	Subgrade Exc	0.00	0	0	1.00	
SHOULDERBORROW   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   37.93   77   77   1.00   -869   S9.5C	Subsoil Exc	0.00	0	0	1.00	
Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Fill   37.93   77   77   1.00   -869   S9.5C   Common Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   0   0   0   0	Fill	0.00	0	0	1.00	-792
Subgrade Exc   0.00   0   0   1.00	SHOULDERBORROW					
Subsoil Exc	Common Exc	0.00	0	0	1.00	
Subsoil Exc						
Fill   37.93   77   77   1.00   -869   S9.5C   Common Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Fill   3.62   6   6   1.00   -875   Subgrade Exc   0.00   0   0   1.00   SHOULDERBORROW   Common Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   0   0   0   0	_					
S9.5C						-869
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   3.62   6   6   1.00   -875		37.33	,,	,,	1.00	003
Subgrade Exc   0.00   0   0   1.00     Subsoil Exc   0.00   0   0   1.00     Fill   3.62   6   6   1.00   -875     I19.0C		9.99	a	а	1.00	
Subsoil Exc   0.00   0   0   1.00   -875						
Fill 3.62 6 6 1.00 -875  I19.0C  Common Exc 0.00 0 0 1.00  Subgrade Exc 0.00 0 0 1.00  Fill 4.83 8 8 1.00 -883  B25.0C  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 24.46 46 46 1.00 -929  WALL  Common Exc 0.00 0 0 1.00  Subgrade Exc 0.00 0 0 1.00  Fill 0.00 4 1.00 -933  322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00  Subgrade Exc 0.00 0 0 1.00  Fill 0.00 0 0 1.00  Subgrade Exc 0.00 0 0 0 1.00						
T19.0C						075
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   4.83   8   8   1.00   -883   825.0C   Subgrade Exc   0.00   0   0   1.00   Fill   0.00   4   4   1.00   -933   Subgrade Exc   0.00   0   0   1.00   ShOULDERBORROW   Common Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   0   0   0   0   0   0		3.62	0	0	1.00	-8/5
Subgrade Exc         0.00         0         0         1.00           Subsoil Exc         0.00         0         0         1.00           Fill         4.83         8         1.00         -883           B25.0C         Common Exc         0.00         0         0         1.00           Subgrade Exc         0.00         0         0         1.00         -929           WALL         Common Exc         0.00         0         0         1.00         -933           322+00.00 SUITABLE         Common Exc         16.22         33         33         1.00         -900           Subsoil Exc         0.00         0         0         1.00		9.99	a	a	1.00	
Subsoil Exc   0.00   0   0   1.00   -883   825.0C						
Fill 4.83 8 8 1.00 -883 B25.0C  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 24.46 46 46 1.00 -929  WALL  Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 4 1 1.00 -933  322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 SHOULDERBORROW Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 30.85 64 64 1.00 -964	_					
B25.0C						_ 002
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 24.46 46 46 1.00 -929 WALL  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 0.00 4 1.00 -933  322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 0 0 1.00 Fill 30.85 64 64 1.00 -964		4.05	O	0	1.00	-005
Subgrade Exc         0.00         0         1.00           Subsoil Exc         0.00         0         1.00           Fill         24.46         46         46         1.00         -929           WALL         Common Exc         0.00         0         0         1.00         0         1.00         0         1.00         0         1.00         0         1.00         0         1.00         0         1.00         -933         3         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         33         1.00         -933         -936         -936         93         936         936<		0.00	0	0	1.00	
Subsoil Exc						
Fill   24.46   46   46   1.00   -929   WALL     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   0.00   4   4   1.00   -933     Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subgrade Exc   0.00   0   0   1.00   Subsoil Exc   0.00   0   0   1.00   ShOULDERBORROW   Common Exc   0.00   0   0   0   1.00   Subgrade Exc   0.00   0   0   0   1.00   Subsoil Exc   0.00   0   0   0   0   0   0   0   0						
WALL  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 0.00 4 1.00 -933  322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -900  SHOULDERBORROW  Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 0 1.00						-929
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 0.00 4 1.00 -933  322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -900 SHOULDERBORROW  Common Exc 0.00 0 0 0 1.00 -900 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 30.85 64 64 1.00 -964 S9.5C		21110	.0	.0	2.00	,,,,
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       4       4       1.00       -933         322+00.00 SUITABLE         Common Exc       16.22       33       33       1.00         Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00       -900         SHOULDERBORROW       0       0       0       1.00       -900         Subgrade Exc       0.00       0       0       1.00       0         Subsoil Exc       0.00       0       0       1.00       -964         S9.5C       59.5C       64       64       1.00       -964		a aa	а	а	1 00	
Subsoil Exc						
Fill 0.00 4 4 1.00 -933  322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -900  SHOULDERBORROW  Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 30.85 64 64 1.00 -964 S9.5C						
322+00.00 SUITABLE  Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -900  SHOULDERBORROW  Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 30.85 64 64 1.00 -964  S9.5C						022
Common Exc 16.22 33 33 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 0 0 1.00 -900 SHOULDERBORROW 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 30.85 64 64 1.00 -964 S9.5C	FIII	0.00	4	4	1.00	-333
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       0.00       0       0       1.00       -900         SHOULDERBORROW         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       30.85       64       64       1.00       -964         S9.5C	322+00.00 SUITABLE					
Subsoil Exc 0.00 0 0 1.00 -900  Fill 0.00 0 0 1.00 -900  SHOULDERBORROW  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 30.85 64 64 1.00 -964  S9.5C	Common Exc	16.22	33	33	1.00	
Fill 0.00 0 0 1.00 -900  SHOULDERBORROW  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 30.85 64 64 1.00 -964  S9.5C	Subgrade Exc	0.00	0	0	1.00	
Fill       0.00       0       1.00       -900         SHOULDERBORROW         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       30.85       64       64       1.00       -964         S9.5C	Subsoil Exc	0.00	0	0	1.00	
SHOULDERBORROW  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 30.85 64 64 1.00 -964  S9.5C	Fill			0		-900
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       30.85       64       64       1.00       -964         S9.5C						
Subgrade Exc       0.00       0       0       1.00         Subsoil Exc       0.00       0       0       1.00         Fill       30.85       64       64       1.00       -964         S9.5C		0.00	0	0	1.00	
Subsoil Exc 0.00 0 0 1.00 Fill 30.85 64 64 1.00 -964 S9.5C						
Fill 30.85 64 64 1.00 -964 S9.5C				_		
S9.5C						-964
Common Exc 0.00 0 1.00			- ·	<b>.</b>		
	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	3.25	6	6	1.00	-970
I19.0C					
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	4.33	8	8	1.00	-978
B25.0C	4.55	O	0	1.00	- 376
	0.00	0	0	1 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	19.40	41	41	1.00	-1019
322+50.00 SUITABLE					
Common Exc	20. 26	43	43	1 00	
	30.36			1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-976
SHOULDERBORROW					
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	36.38	62	62	1.00	-1038
S9.5C	30.30	02	02		2030
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	3.25	6	6	1.00	-1044
I19.0C					
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	4.33	8	8	1.00	-1052
B25.0C					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
					1005
Fill	15.75	33	33	1.00	-1085
323+00.00 SUITABLE					
Common Exc	24.95	51	51	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill					1024
	0.00	0	0	1.00	-1034
SHOULDERBORROW	0.00	•	-	4 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	29.84	61	61	1.00	-1095

S9.5C					
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	3.25	6	6	1.00	-1101
I19.0C					
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	4.33	8	8	1.00	-1109
B25.0C					
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	13.30	27	27	1.00	-1136
323+50.00 SUITABLE					
Common Exc	20.09	42	42	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-1094
SHOULDERBORROW		-			
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	23.64	50	50	1.00	-1144
S9.5C					
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	3.25	6	6	1.00	-1150
I19.0C					
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	4.33	8	8	1.00	-1158
B25.0C					
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	9.93	22	22	1.00	-1180
324+00.00 SUITABLE					
Common Exc	15.28	33	33	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-1147
SHOULDERBORROW					
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	19.20	40	40	1.00	-1187
	S9.5C					
	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	3.25	6	6	1.00	-1193
	I19.0C		_	_		
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	1001
	Fill	4.33	8	8	1.00	-1201
	B25.0C	0.00	0	•	1 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	1210
	Fill	8.82	17	17	1.00	-1218
3	24+50.00 SUITABLE					
	Common Exc	10.97	24	24	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-1194
	SHOULDERBORROW					
	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	15.10	32	32	1.00	-1226
	S9.5C					
	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	3.28	6	6	1.00	-1232
	I19.0C					
	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	4.37	8	8	1.00	-1240
	B25.0C					
	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	7.08	15	15	1.00	-1255
3	25+00.00 SUITABLE					
	Common Exc	7.98	18	18	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-1237
	SHOULDERBORROW					

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	9.74	23	23	1.00	-1260
S9.5C					
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	3.25	6	6	1.00	-1266
I19.0C					
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	4.46	8	8	1.00	-1274
B25.0C					
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	0.00	7	7	1.00	-1281
325+50.00 SUITABLE					
Common Exc	8.69	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-1266
SHOULDERBORROW					
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	7.26	16	16	1.00	-1282
S9.5C					
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	2.89	6	6	1.00	-1288
I19.0C					
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	0.00	4	4	1.00	-1292
♠ GRAND	S U M M A	ARY TO	TALS	S	
Material Nam	e Unad	djusted Adjus	ted Mu	ılt	
		umes Volum		actor	
	(cu.	yd.) (cu.	yd.)		
SUITABLE	amman Eva	1002	1002	1 00	
	ommon Exc	1003	1003	1.00	
	grade Exc osoil Exc	0	0	1.00	
Sui		0	0	1.00	
	Fill	0	0	1.00	

	SHOULDERBORROW										
	SHOOLDERBORKON	Common	Exc		0		0	1.00			
		Subgrade			0		0	1.00			
		Subsoil			0		0	1.00			
		Fill			1674		1674	1.00			
	S9.5C										
		Common	Exc		0		0	1.00			
		Subgrade			0		0	1.00			
		Subsoil			0		0	1.00			
		Fill			75		75	1.00			
	I19.0C										
		Common	Exc		0		0	1.00			
		Subgrade	Exc		0		0	1.00			
		Subsoil			0		0	1.00			
		Fill			94		94	1.00			
	B25.0C										
		Common	Exc		0		0	1.00			
		Subgrade	Exc		0		0	1.00			
		Subsoil	Exc		0		0	1.00			
		Fill			268		268	1.00			
	WALL										
		Common	Exc		0		0	1.00			
		Subgrade	Exc		0		0	1.00			
		Subsoil	Exc		0		0	1.00			
		Fill			184		184	1.00			
<b>^</b>		SI	ΡL	ΙT	S U	ММА	RY	тот	A L	S	
				V6 0		V6 0		111/6 L 0		A 1.1./C	
0	\n+			XS Qı	uant	XS Q	uant	Add/Sub Q	uant	Add/Su	b
Qua	Material	Namo		llnad-	incted	Adju	ctod	Unadjuste	4	Adius+	٥d
N	Material	Name		Ullau	justed	Auju	steu	unaujustei	J	Adjust	eu
יו	TUIL			Volur	10	Volu	m O	Volume		Volume	
_	actor			VOIU	iiC	VOIU	ii C	VOIUME		VOIUME	
'	actor			( ( ) )	yd.)	( ( ) )	vd )	(cu. yd.)		(cu. y	4 V
				(cu.	yu.,	(cu.	yu.,	(cu. yu.)		(cu. y	u.,
	SUITABLE										
		Common	Exc		1003		1003		0		
0	1.00										
		Subgrade	Exc		0		0		0		
0	1.00	J									
		Subsoil	Exc		0		0		0		
0	1.00										
		Fill			0		0		0		
0	1.00										
	SHOULDERBORROW										
		C	Ev.c				_		0		
		Common	EXC		0		0		U		
0	1.00	Common	EXC		0		О		Ü		
0	1.00	Subgrade			0		0		0		

0	1.00	Subsoil	Evc	0	0	0
0	1.00					
0	1.00	Fill		1674	1674	0
	S9.5C	Common	Exc	0	0	0
0	1.00					
0	1.00	Subgrade		0	0	0
0	1.00	Subsoil	Exc	0	0	0
		Fill		75	75	0
0	1.00 I19.0C					
0	1.00	Common	Exc	0	0	0
		Subgrade	Exc	0	0	0
0	1.00	Subsoil	Exc	0	0	0
0	1.00	Fill		94	94	0
0	1.00					·
	B25.0C	Common	Exc	0	0	0
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil			0	0
0	1.00		EXC	0		
0	1.00	Fill		268	268	0
	WALL	Common	Evc	0	0	0
0	1.00					
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil	Exc	0	0	0
		Fill		184	184	0
0	1.00					

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW Y1.inp
Output File: EW Y1.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 xs dgn = HB0002_rdy_xsc_Y1.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5B
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = B25.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = Wall
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Concrete Wall
     100
 1
           100 lvname = Prop CMT Concrete Structures
 1
     101
           101
 1
     102
           102 excavation limits
     103
           103 lvname = Prop XS Exc Vertical Line 1
 1
 1
     104
           104 type = line
     105
 1
           105
     106
           106 Write Earthwork Shapes
 1
 1
     107
           107 plot param
     108
           108 lvname = WEI XS Earthwork
 1
 1
     109
           109 Stratify Shape Color
 1
     110
           110
 1
     111
           111 vertical search distance = 200
 1
     112
 1
     113
           113 /*calculate only between excavation limits*/
 1
     114
           114
 1
     115
           115 End Area Decimal Places = 2
 1
     116
           116
           117 write column base ascii file =
 1
     117
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\06-Y1.txt
     118
 1
     119
           119 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
 1
     120
           120 column 1 number of decimal place = 0
 1
     121
           121 column 1 total length = 10
 1
     122
           122
           123 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
     123
           124 column 2 number of decimal place = 0
 1
     124
 1
     125
           125 column 2 total length = 10
 1
     126
           126
 1
     127
           127 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
 1
     128
           128 column 3 number of decimal place = 0
 1
     129
           129 column 3 total length = 10
     130
 1
           130
 1
     131
           131 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
           132 column 4 number of decimal place = 0
 1
     132
 1
     133
           133 column 4 total length = 10
 1
     134
           134
 1
     135
           135 column 5 formula = ["SHOULDERBORROW", Fill, end area]
     136
           136 column 5 number of decimal place = 2
 1
           137 column 5 total length = 10
 1
     137
     138
 1
           138
     139
           139 column 6 formula = ["S9.5B", Fill, End Area]
 1
 1
     140
           140 column 6 number of decimal place = 2
     141
           141 column 6 total length = 10
 1
 1
     142
           142
     143
           143 column 7 formula = ["B25.0C", Fill, End Area]
 1
           144 column 7 number of decimal place = 2
     144
```

```
1
    145
          145 column 7 total length = 10
    146
1
          146
1
    147
          147 Process Earthwork for Baseline = Y1
          148 job number = rdy
1
    148
    149
          149
1
1
    150
          150 beg sta = 7+00.00
1
    151
          151 \text{ end sta} = 12+78.00
1
    152
          152
1
    153
          153
1
    154
          154
1
    155
          155
1
    156
          156
1
    157
          157
1
    158
         158
    159
1
          159
1
    160
          160
          161 END_OF_FILE
0
      0
COMPUTING EARTHWORKS FOR BASELINE = Y1
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name
                            End Areas Unadjusted Adjusted
                                                            Mult
                                                                   Mass
                                      Volumes
                                                 Volumes
Station
                                                            Factor Ordinate
                            (sq. ft.) (cu. yd.) (cu. yd.)
------ ----- ----- ------ ------
   7+00.00 SUITABLE
               Common Exc
                               4.92
                                             0
                                                            1.00
             Subgrade Exc
                               0.00
                                             0
                                                            1.00
              Subsoil Exc
                               0.00
                                             0
                                                            1.00
                   Fill
                                0.82
                                             0
                                                            1.00
                                                                        0
           SHOULDERBORROW
               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
                                0.12
                                             0
                                                            1.00
           S9.5B
               Common Exc
                                0.00
                                             0
                                                            1.00
                                                        0
             Subgrade Exc
                                0.00
                                             0
                                                        0
                                                            1.00
              Subsoil Exc
                                0.00
                                             0
                                                        0
                                                            1.00
                   Fill
                                5.57
                                             0
                                                            1.00
                                                                        0
   7+50.00 SUITABLE
               Common Exc
                                0.95
                                             5
                                                            1.00
             Subgrade Exc
                                0.00
                                                            1.00
                                             0
                                                        0
              Subsoil Exc
                                0.00
                                             0
                                                        0
                                                            1.00
                   Fill
                               4.13
                                             5
                                                        5
                                                            1.00
                                                                        0
           SHOULDERBORROW
               Common Exc
                               0.00
                                             0
                                                        0
                                                            1.00
```

0.00

0

1.00

Subgrade Exc

Subsoil Exc	0.00	0	0	1.00	
Fill	0.20	0	0	1.00	0
S9.5B	0.20	Ü	· ·	1.00	Ū
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	5.99	11	11	1.00	-11
8+00.00 SUITABLE					
Common Exc	24.58	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	11.60	15	15	1.00	-2
SHOULDERBORROW		_			
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	0.75	1	1	1.00	-3
S9.5B 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	9.79	15	15	1.00	-18
B25.0C	3.73	13	13	1.00	10
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	15.03	14	14	1.00	-32
0.42.00.5UTTABLE					
8+43.00 SUITABLE	0.22	20	20	1 00	
Common Exc	0.32	20	20	1.00	
Subgrade Exc	0.00 0.00	0	0	1.00	
Subsoil Exc Fill	22.36	0 27	0 27	1.00 1.00	20
SHOULDERBORROW	22.30	27	21	1.00	-39
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	0.00	1	1	1.00	-40
S9.5B	0.00	_	_	1.00	10
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	12.10	17	17	1.00	-57
B25.0C					
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	24.48	31	31	1.00	-88
WALL					

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	11.64	9	9	1.00	-97
1111	11.04	9	9	1.00	-31
8+50.00 SUITABLE					
Common Exc	0.13	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.32	6	6	1.00	-103
S9.5B					
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	12.10	3	3	1.00	-106
B25.0C					
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	24.22	6	6	1.00	-112
WALL					
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	11.64	3	3	1.00	-115
9+00.00 SUITABLE					
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	33.63	53	53	1.00	-168
S9.5B					
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	12.10	22	22	1.00	-190
B25.0C					
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	28.90	49	49	1.00	-239
WALL					
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	11.64	22	22	1.00	-261
9+50.00 SUITABLE					
Common Exc					
	9.00	a	а	1.00	
Subgrade Exc	0.00 0.00	0 0	0 0	1.00 1.00	

	Subsoil Exc	0 00	0	a	1 00	
	Fill	0.00 25.49	55	0 55	1.00 1.00	-316
	S9.5B	23.49	33	55	1.00	-310
	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	12.10	22	22	1.00	-338
	B25.0C	12.10	22	22	1.00	330
	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	23.79	49	49	1.00	-387
	WALL					
	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	11.64	22	22	1.00	-409
10+00.00						
	Common Exc	0.99	1	1	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16.78	39	39	1.00	-447
	S9.5B					
	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	12.10	22	22	1.00	-469
	B25.0C					
	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	18.74	39	39	1.00	-508
	WALL 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	11.64	22	22	1.00	-530
	1111	11.04	22	22	1.00	550
10+42.68	SUITABLE					
	Common Exc	3.01	3	3	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.55	18	18	1.00	-545
	SHOULDERBORROW					
	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	0.33	0	0	1.00	-545
	S9.5B					

	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	12.66	20	20	1.00	-565
	B25.0C	12.00	20	20	1.00	303
		0.00	0	0	1 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	14.87	27	27	1.00	-592
	WALL					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00		0		
			0		1.00	601
	Fill	0.00	9	9	1.00	-601
10.50.00	CUTTABLE					
10+50.00	SUITABLE	0.00	4	1	1 00	
	Common Exc	0.99	1	1	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	7.43	2	2	1.00	-602
	SHOULDERBORROW					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	ø	0	1.00	
						602
	Fill	0.63	0	0	1.00	-602
	S9.5B		_			
	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	12.05	3	3	1.00	-605
	B25.0C					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00			1.00	
	•		0	0		
	Subsoil Exc	0.00	0	0	1.00	
	Fill	8.89	3	3	1.00	-608
11.00.00	CUTTABLE					
11+00.00	SUITABLE	2 10	4	4	1 00	
	Common Exc	3.19	4	4	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16.39	22	22	1.00	-626
	SHOULDERBORROW					
	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	0.63	1	1	1.00	627
	S9.5B	Ø.03	1	1	1.00	-627
	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	18.95	29	29	1.00	-656
	B25.0C					
	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	12.23	20	20	1.00	-676
11+50.00	SUITABLE					
	Common Exc	6.40	9	9	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4.28	19	19	1.00	-686
	SHOULDERBORROW					
	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	0.62	1	1	1.00	-687
	S9.5B					
	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	10.67	27	27	1.00	-714
	B25.0C					
	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	5.03	16	16	1.00	-730
12+00.00	SUITABLE					
	Common Exc	3.43	9	9	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	9.54	13	13	1.00	-734
	SHOULDERBORROW					
	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	0.61	1	1	1.00	-735
	S9.5B		_	_	_,,,	, , ,
	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	8.67	18	18	1.00	-753
	B25.0C	<b>3.</b> 0,	10	10		, , , ,
	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	4.55	9	9	1.00	-762
	1 111	7.55	,	,	1.00	702

Common	Exc	7.50	10	10	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi	11	0.75	10	10	1.00	-762
SHOULDERBOR	RROW					
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil	Exc	0.00	0	0	1.00	
Fi.	11	0.60	1	1	1.00	-763
S9.5B						
Common	Exc	0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil	Exc	0.00	0	0	1.00	
Fi.	11	6.66	14	14	1.00	-777
B25.0C						
Common		0.00	0	0	1.00	
Subgrade	Exc	0.00	0	0	1.00	
Subsoil	Exc	0.00	0	0	1.00	
Fi	11	2.26	6	6	1.00	-783
12+78.00 SUITABLE						
Common	Exc	0.00	4	4	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi		1.40	1	1	1.00	-780
SHOULDERBOR						
Common		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi	11	0.24	0	0	1.00	-780
S9.5B						
Common		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	
Fi.	LI	7.05	7	7	1.00	-787
B25.0C	_		_			
Common		0.00	0	0	1.00	
Subgrade		0.00	0	0	1.00	
Subsoil		0.00	0	0	1.00	700
Fi.		3.82	3	3	1.00	-790
		SUMMAR		TALS		
Materia	ı Name		sted Adjust			
			Volume		ictor	
		(cu. yo	d.) (cu. y	u.)		
SUITABLE						
SULIADLE	Common	Fxc	90	90	1.00	
	Subgrade		0	0	1.00	
	Subsoil		0	0	1.00	
	Fill	-AC	285	285	1.00	
	, 111		200	203	00	

♠

	SHOULDERBORRO	lal							
	SHOOLDERBORNO	Common	Exc		0	0	1.00		
		Subgrade			0	0	1.00		
		Subsoil			0	0			
		Fill	-//-		6	6	1.00		
	S9.5B					· ·	_,,,		
		Common	Exc		0	0	1.00		
		Subgrade			0	0	1.00		
		Subsoil			0	0	1.00		
		Fill			230	230	1.00		
	B25.0C						_,,,		
		Common	Exc		0	0	1.00		
		Subgrade			0	0	1.00		
		Subsoil			0	0	1.00		
		Fill	-//-		272	272	1.00		
	WALL					_,_	_,,,		
	W.L.L	Common	Fxc		0	0	1.00		
		Subgrade			0	0	1.00		
		Subsoil			0	0	1.00		
		Fill	LXC		87	87	1.00		
•			P L	тт			T 0 T A	ıc	
Т		3 1		<b>1</b> 1	3 0	n n A K i	1014	LJ	
				XS Qu	uant	XS Quant	Add/Sub Qua	ant Add/S	ub
Qua	nt								
	Materia	l Name		Unad	justed	Adjusted	Unadjusted	Adjus	ted
М	lult			., -					
_	actor			Volur	ne	Volume	Volume	Volum	ie
Г	actor			(cu.	vd.)	(cu. vd.)	(cu. yd.)	(cu.	vd.)
				(	,,	( ) /	()	(	,,
	SUITABLE								
	301171322	Common	Fxc		90	90		0	
0	1.00	2011111011	-//-		,	20		· ·	
Ū	2.00	Subgrade	Exc		0	0		0	
0	1.00	20.58. 00.0	-/-			•		•	
Ū	2.00	Subsoil	Fxc		0	0		0	
0	1.00	3403011	LXC		Ū	Ü		Ü	
Ū	1.00	Fill			285	285		0	
0	1.00				203	203		Ü	
Ū	SHOULDERBORRO	الما							
	SHOOLDLINDONNO	Common	Fvc		0	0		0	
0	1.00	Common	LXC		U	O		O	
U	1.00	Subgrade	Evc		0	0		0	
0	1.00	Jubgi aue	LAC		Ü	0		U	
U	1.00	Subsoil	Fvc		0	0		0	
0	1.00	3003011	LXC		v	V		U	
J	1.00	Fill			6	6		0	
	1.00	LTTT			U	0		U	
0	1 1414								

	S9.5B					
		Common	Exc	0	0	0
0	1.00	Culturant	F	•	0	0
0	1.00	Subgrade	EXC	0	0	0
	_,,,	Subsoil	Exc	0	0	0
0	1.00					_
0	1.00	Fill		230	230	0
O	B25.0C					
		Common	Exc	0	0	0
0	1.00	Subgrade	Eve	0	0	0
0	1.00	Subgrade	EXC	V	Ø	Ø
		Subsoil	Exc	0	0	0
0	1.00	e211		272	272	0
0	1.00	Fill		272	272	0
	WALL					
_		Common	Exc	0	0	0
0	1.00	Subgrade	Fxc	0	0	0
0	1.00	Subgi duc	LXC	· ·	· ·	Ŭ
		Subsoil	Exc	0	0	0
0	1.00					_

Fill

1.00

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW Y2.inp
Output File: EW Y2.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 \times dgn = HB0002\_rdy\_xsc\_Y2.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5B
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = B25.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = Wall
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Concrete Wall
     100
 1
           100 lvname = Prop CMT Concrete Structures
 1
     101
           101
 1
     102
           102 excavation limits
     103
           103 lvname = Prop XS Exc Vertical Line 1
 1
 1
     104
           104 type = line
     105
 1
           105
     106
           106 Write Earthwork Shapes
 1
 1
     107
           107 plot param
     108
           108 lvname = WEI XS Earthwork
 1
 1
     109
           109 Stratify Shape Color
 1
     110
           110
 1
     111
           111 vertical search distance = 200
 1
     112
 1
     113
           113 /*calculate only between excavation limits*/
 1
     114
           114
 1
     115
           115 End Area Decimal Places = 2
 1
     116
           116
           117 write column base ascii file =
 1
     117
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\07-Y2.txt
     118
 1
     119
           119 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
 1
     120
           120 column 1 number of decimal place = 0
 1
     121
           121 column 1 total length = 10
 1
     122
           122
           123 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
     123
           124 column 2 number of decimal place = 0
 1
     124
 1
     125
           125 column 2 total length = 10
 1
     126
           126
 1
     127
           127 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
 1
     128
           128 column 3 number of decimal place = 0
 1
     129
           129 column 3 total length = 10
     130
 1
           130
 1
     131
           131 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
           132 column 4 number of decimal place = 0
 1
     132
 1
     133
           133 column 4 total length = 10
 1
     134
           134
 1
     135
           135 column 5 formula = ["SHOULDERBORROW", Fill, end area]
     136
           136 column 5 number of decimal place = 2
 1
           137 column 5 total length = 10
 1
     137
     138
 1
           138
     139
           139 column 6 formula = ["S9.5B", Fill, End Area]
 1
 1
     140
           140 column 6 number of decimal place = 2
     141
           141 column 6 total length = 10
 1
 1
     142
           142
     143
           143 column 7 formula = ["B25.0C", Fill, End Area]
 1
           144 column 7 number of decimal place = 2
     144
```

```
1
    145
          145 column 7 total length = 10
    146
1
          146
1
    147
          147
          148 Process Earthwork for Baseline = Y2
1
    148
    149
          149 job number = rdy
1
1
    150
          150
1
    151
          151 \text{ beg sta} = 10+26.00
1
    152
          152 \text{ end sta} = 18+00.00
1
    153
          153
1
    154
          154
1
    155
          155
1
    156
          156
1
    157
          157
1
    158
         158
    159
1
         159
1
    160
          160
1
    161
          161
          162 END_OF_FILE
0
      0
COMPUTING EARTHWORKS FOR BASELINE = Y2
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
                                                           Mult Mass
           Material Name End Areas Unadjusted Adjusted
Station
                                      Volumes Volumes
                                                           Factor Ordinate
                          (sq. ft.) (cu. yd.) (cu. yd.)
  10+26.00 SUITABLE
               Common Exc
                              13.12
                                           0
                                                           1.00
                             0.00
                                           0
             Subgrade Exc
                                                           1.00
              Subsoil Exc
                              0.00
                                           0
                                                           1.00
                                                       0
                   Fill
                              37.70
                                           0
                                                           1.00
                                                                      0
           SHOULDERBORROW
               Common Exc
                             0.00
                                          0
                                                       0
                                                           1.00
             Subgrade Exc
                             0.00
                                           0
                                                           1.00
              Subsoil Exc
                              0.00
                                                           1.00
                                            0
                   Fill
                                           0
                                                           1.00
                                                                      0
                              0.36
           S9.5B
               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
                              10.09
                                           0
                                                           1.00
                                                                      0
           B25.0C
               Common Exc
                             0.00
                                           0
                                                           1.00
             Subgrade Exc
                              0.00
                                                           1.00
                                            0
                                                       0
              Subsoil Exc
                              0.00
                                           0
                                                       0
                                                           1.00
                   Fill
                              19.90
                                           0
                                                       0
                                                           1.00
                                                                      0
```

WALL

Common Exc

Subgrade Exc

0.00

0.00

0

0

0

1.00

1.00

Subsoil Exc	0.00	0	0	1.00	
Fill	6.10	0	0	1.00	0
10+50.00 SUITABLE					
Common Exc	37.04	22	22	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.74	20	20	1.00	2
SHOULDERBORROW					
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	0.35	0	0	1.00	2
S9.5B					
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 B25.0C	6.53	7	7	1.00	-5
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	10.40	13	13	1.00	-18
WALL	10.40	13	13	1.00	10
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	3.94	4	4	1.00	-22
11.00 00 CUTTABLE					
11+00.00 SUITABLE Common Exc	20.40	53	E 2	1.00	
Subgrade Exc	0.00	9	53 0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	8.92	15	15	1.00	16
SHOULDERBORROW	0.52	13	13	1.00	10
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	0.35	1	1	1.00	15
S9.5B					
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	7.81	13	13	1.00	2
B25.0C					
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	6.53	16	16	1.00	-14
WALL					

	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	3.56	7	7	1.00	-21
11+50 00	SUITABLE					
11130.00	Common Exc	0.49	19	19	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	8.30	16	16	1.00	-18
	SHOULDERBORROW					
	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	0.35	1	1	1.00	-19
	S9.5B					
	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					-35
	B25.0C	9.07	16	16	1.00	-35
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00			1.00	
	•		0	0		
	Subsoil Exc	0.00	0	0	1.00	4.0
	Fill	2.36	8	8	1.00	-43
	WALL					
	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	3.56	7	7	1.00	-50
12.00.00	CUTTADLE					
12+00.00	SUITABLE	4 47	2	2	1 00	
	Common Exc	1.47	2	2	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1.99	10	10	1.00	-58
	SHOULDERBORROW					
	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	0.35	1	1	1.00	-59
	S9.5B		_	_	_,_,	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	ø	0	1.00	
	Fill	9.14	17	17	1.00	-76
	B25.0C	9.14	1/	1/	1.00	-70
	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 WALL	1.66	4	4	1.00	-80
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	Ø	0	1.00	
Subsoil Exc	0.00	Ø	0	1.00	
Fill	3.56	7	7	1.00	-87
1111	3.50	,	,	1.00	-67
12+50.00 SUITABLE					
Common Exc	1.00	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.47	3	3	1.00	-88
SHOULDERBORROW					
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	0.35	1	1	1.00	-89
S9.5B					
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	10.08	18	18	1.00	-107
B25.0C					
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	1.58	3	3	1.00	-110
WALL		_			
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	3.56	7	7	1.00	-117
	3.30	•	,	2.00	,
13+00.00 SUITABLE	4			4 00	
Common Exc	1.68	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.34	2	2	1.00	-117
SHOULDERBORROW					
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	0.35	1	1	1.00	-118
S9.5B					
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	9.72	18	18	1.00	-136
B25.0C					
Common Exc	0.00	0	0	1.00	

	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	420
	Fill	1.83	3	3	1.00	-139
	WALL Common Fig.	0.00	0	0	1 00	
	Common Exc Subgrade Exc	0.00	0 0	0	1.00 1.00	
	Subsoil Exc	0.00 0.00	0	0	1.00	
	Fill	3.56	7	7	1.00	-146
	LIII	3.30	,	,	1.00	-140
13+50.00	SUITABLE					
	Common Exc	0.86	2	2	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2.59	3	3	1.00	-147
	SHOULDERBORROW					
	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	0.35	1	1	1.00	-148
	S9.5B	0.00	0	0	1 00	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc Fill	0.00	0	0	1.00	165
	B25.0C	9.08	17	17	1.00	-165
	Common Exc	0.00	0	a	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	1.88	3	3	1.00	-168
	WALL	1.00	3	3	1.00	-100
	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	3.56	7	7	1.00	-175
14+00.00	SUITABLE					
	Common Exc	1.69	2	2	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	2.80	5	5	1.00	-178
	SHOULDERBORROW		_	_		
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	470
	Fill	0.35	1	1	1.00	-179
	S9.5B	0.00	0	•	1 00	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0 17	0 17	1.00	100
	Fill	9.10	17	17	1.00	-196

	B25.0C					
	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	4.46	6	6	1.00	-202
	WALL					
	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	3.56	7	7	1.00	-209
14+50.00	SUITABLE					
	Common Exc	1.38	3	3	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.73	9	9	1.00	-215
	SHOULDERBORROW					
	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	0.35	1	1	1.00	-216
	S9.5B					
	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	6.53	14	14	1.00	-230
	B25.0C			_		
	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	10.88	14	14	1.00	-244
	WALL	0.00	0	0	1 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	251
	Fill	3.57	7	7	1.00	-251
15+00.00						
	Common Exc	0.98	2	2	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	38.24	42	42	1.00	-291
	SHOULDERBORROW				4 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	202
	Fill	0.35	1	1	1.00	-292
	S9.5B	0.00	0	0	1 00	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	Ø	1.00	

Subsoil Exc	0.00	0	0	1.00		
Fill	6.53	12	12	1.00	-304	
B25.0C	0.55	12	12	1.00	-304	
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	ø	0	1.00		
Subsoil Exc	0.00	ø	0	1.00		
Fill	15.10	24	24	1.00	-328	
WALL	13.10	2.	- '	1.00	320	
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	3.59	7	7	1.00	-335	
15+50.00 SUITABLE						
Common Exc	0.37	1	1	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	15.60	50	50	1.00	-384	
SHOULDERBORROW						
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	0.35	1	1	1.00	-385	
S9.5B						
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	6.53	12	12	1.00	-397	
B25.0C						
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	18.10	31	31	1.00	-428	
WALL						
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	3.59	7	7	1.00	-435	
16:00 00 CHTTARIF						
16+00.00 SUITABLE Common Exc	0 17	0	0	1 00		
	0.17	0	0	1.00		
Subgrade Exc Subsoil Exc	0.00	0 0	0	1.00		
Subsoil Exc Fill	0.00 26.00	о 39	0 39	1.00 1.00	-474	
SHOULDERBORROW	20.00	22	22	1.00	-4/4	
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	1.67	2	2	1.00	-476	
S9.5B	1.07	2	2	1.00	7/0	
۵۷، رو						

	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	5.95	12	12	1.00	-488
	B25.0C	3.93	12	12	1.00	-400
	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	17.94	33	33	1.00	-521
	WALL	17.54	55	55	1.00	- 521
	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	1.71	5	5	1.00	-526
	1111	1./1	3	,	1.00	- 320
16+50.00	SUTTARI F					
10130.00	Common Exc	0.44	1	1	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	24.95	47	47	1.00	-572
	SHOULDERBORROW	24.00	77	77	1.00	372
	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	1.67	3	3	1.00	-575
	S9.5B	1.07	5	5	1.00	-373
	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	5.95	11	11	1.00	-586
	B25.0C	3.33	11	11	1.00	- 360
	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	16.62	32	32	1.00	-618
	WALL	10.02	32	32	1.00	-016
	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	1.71	3	3	1.00	-621
	1111	1.71	3	3	1.00	021
17+00.00	SUTTABLE					
27.00.00	Common Exc	1.32	2	2	1.00	
	Subgrade Exc	0.00	9	9	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	16.43	38	38	1.00	-657
	SHOULDERBORROW	20.13	33	55		33,
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	ø	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	JUDJUII LAC	0.00	0	U	1.00	

Fill	1.67	3	3	1.00	-660
S9.5B					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	5.95	11	11	1.00	-671
B25.0C	3.93	11	11	1.00	-0/1
	0.00	0		1 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	11.04	26	26	1.00	-697
WALL					
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	1.71	3	3	1.00	-700
1111	1./1	5	,	1.00	-700
17.50 00 CUTTABLE					
17+50.00 SUITABLE		_	_		
Common Exc	3.87	5	5	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.18	19	19	1.00	-714
SHOULDERBORROW					
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	0.71	2	2	1.00	-716
	0.71	2	2	1.00	-/10
S9.5B	0.00	•	•	4 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	8.95	14	14	1.00	-730
B25.0C					
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	2.05	12	12	1.00	-742
WALL	2.05	12	12	1.00	772
	0 00	۵	0	1 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	0.00	2	2	1.00	-744
18+00.00 SUITABLE					
Common Exc	5.79	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.37	4	4	1.00	-739
SHOULDERBORROW	0.57	7	7	00	, 55
	0.00	Ω	0	1 00	
Common Exc	0.00	0	0	1.00	

	Subgrade	Exc	0.00	9	(	9 (	0 1.00		
	Subsoil		0.00		6		0 1.00		
	Fil	.1	0.11	L	1	1 :	1.00	- 7	740
	S9.5B								
	Common	Exc	0.00	)	(	9 (	0 1.00		
	Subgrade	Exc	0.00	9	(	9 (	0 1.00		
	Subsoil	Exc	0.00	9	(	9 (	0 1.00		
	Fil	.1	5.57	7	13	3 1	3 1.00	-7	753
	B25.0C								
	Common		0.00		(		0 1.00		
	Subgrade		0.00	9	(	9 (	0 1.00		
	Subsoil		0.00				0 1.00		
	Fil		0.00				2 1.00	- 7	755
<b>^</b>		AND	SUI	M M A R `		T O T A			
	Material	Name		-	ed	Adjusted	Mult		
				Volumes		Volumes	Factor		
				(cu. yd.	)	(cu.yd.)			
	SUITABLE								
		Common		1	.27	127			
		Subgrade			0	0			
		Subsoil			0	0			
		Fill		3	22	322	1.00		
	SHOULDERBORROW								
		Common			0	0			
		Subgrade			0	0			
		Subsoil			0	0			
		Fill			21	21	1.00		
	S9.5B	_	_		_				
		Common			0	0			
		Subgrade			0	0			
		Subsoil		_	0	0			
	D25 06	Fill		2	22	222	1.00		
	B25.0C	<b>6</b>	<b>-</b>		_	0	1 00		
		Common			0	0			
		Subgrade			0	0	1.00		
		Subsoil			0	9	1.00 1.00		
	LIALI	Fill		4	30	230	1.00		
	WALL	Common	Evc		a	0	1.00		
					0 0	0	1.00		
		Subgrade Subsoil				0			
		Fill			0 87	0 87	1.00 1.00		
•			P L :	тт (		MMARY		ALS	<b>c</b>
<b>T</b>		3	PL.	1 I	<b>5</b> U	MMAKT	1 0 1	A L .	5
				XS Quant		XS Quant	Add/Sub	∩แวก+	۸dd/Sub
Quant				رم Qualit		va Granc	Auu/ Sub (	Quant	Auu/ Juu
Qualit	Material	Name		Unadjust	-ed	Adjusted	Unadjust	ed	Adjusted
Mult	ilacci Iai	Hame		Jilaajast	.cu	Aujusteu	Jilaajast	Cu	, la ja seca
				Volume		Volume	Volume		Volume
				UUTUIIC		VOTAIIC	TOTAIL		TOTAIL

Factor

F	actor			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
	SUITABLE						
		Common	Exc	127	127	0	
0	1.00	Subgrade	Exc	0	0	0	
0	1.00	Subsoil		0	0	0	
0	1.00						
0	1.00	Fill		322	322	0	
	SHOULDERBORROW		_				
0	1.00	Common	EXC	0	0	0	
0	1.00	Subgrade	Exc	0	0	0	
		Subsoil	Exc	0	0	0	
0	1.00	Fill		21	21	0	
0	1.00 S9.5B						
		Common	Exc	0	0	0	
0	1.00	Subgrade	Exc	0	0	0	
0	1.00	Subsoil		0	0	0	
0	1.00						
0	1.00	Fill		222	222	0	
	B25.0C	C	<b></b>	0	0	0	
0	1.00	Common	EXC	0	0	0	
0	1.00	Subgrade	Exc	0	0	0	
		Subsoil	Exc	0	0	0	
0	1.00	Fill		230	230	0	
0	1.00 WALL						
		Common	Exc	0	0	0	
0	1.00	Subgrade	Exc	0	0	0	
0	1.00	Subsoil			0	0	
0	1.00						
0	1.00	Fill		87	87	0	

```
Input File: R:\Roadway\CorridorModeling\Earthwork\Input Files\EW Y3.inp
Output File: EW Y3.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.004
 1
       6
       7
 1
             7 \times dgn = HB0002\_rdy\_xsc\_Y3.dgn
 1
       8
       9
 1
             9 Proposed Finish Grade
            10 soil type = Suitable
 1
      10
 1
      11
            11 fill mult factor = 1.000000
            12 type = line, line string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
            15 lvname = Prop CMT Slope Grass
 1
      15
 1
            16 lvname = Prop CMT Shear Line
      16
            17 lvname = Scratch Level 8
 1
      17
 1
      18
            18 lvname = Prop CMT Concrete Wall Surface
 1
      19
 1
      20
            20 Existing Ground Line
 1
            21 soil type = Suitable
      21
 1
            22 type = line, line_string
      22
 1
      23
            23 lvname = Exist XS Ground Line
 1
      24
            24
 1
      25
            25 existing suitable material
 1
      26
            26 soil type = Suitable
 1
      27
            27 fill mult factor = 1.00
            28 type = line, line string
 1
      28
      29
            29 lvname = WEI XS Soil-Suitable
 1
 1
      30
            30
 1
      31
            31 existing suitable material
 1
      32
            32 soil type = Unsuitable
 1
      33
            33 fill mult factor = 1.00
            34 type = line, line_string
 1
      34
            35 lyname = WEI XS Soil-Unsuitable
 1
      35
 1
      36
            36
 1
      37
            37 existing suitable material
 1
      38
            38 soil type = UnsuitableMarginal
 1
      39
            39 fill mult factor = 1.00
 1
      40
            40 type = line, line_string
 1
      41
            41 lvname = WEI XS Soil-UnsuitableMarginal
 1
      42
 1
      43
            43 existing suitable material
 1
      44
            44 soil type = DDE
 1
      45
            45 fill mult factor = 1.00
 1
            46 type = line, line_string
      46
 1
      47
            47 lvname = WEI XS Soil-DDE
      48
            48
```

```
1
     49
           49 existing suitable material
1
           50 soil type = UnsuitableDDE
     50
1
     51
           51 fill mult factor = 1.00
           52 type = line, line_string
1
     52
     53
           53 lvname = WEI XS Soil-UnsuitableDDE
1
1
     54
1
     55
           55 existing unsuitable material
1
     56
           56 soil type = Undercut
           57 fill mult factor = 1.00
1
     57
1
     58
           58 type = line, line string
           59 lvname = WEI XS Soil-UnsuitableUndercut
1
     59
1
     60
           60
1
     61
           61 Proposed Undercut
           62 common exc only
1
     62
           63 soil type = ShoulderBorrow
1
     63
           64 fill mult factor = 1.00
1
     64
           65 type = line, line string
1
     65
1
     66
           66 lvname = Prop CMT Shoulder Borrow
1
     67
           67
1
     68
           68 Proposed Undercut
           69 soil type = Suitable
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = WEI XS Fill-Suitable
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = SelectMaterial
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-SelectMaterial
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 common exc only
1
     82
           82 soil type = S9.5B
1
     83
           83 fill mult factor = 1.00
           84 type = line, line string
1
     84
           85 lvname = Prop CMT Pvmt Course 1
1
     85
1
     86
           86
1
     87
           87 Proposed Undercut
1
     88
           88 common exc only
1
     89
           89 soil type = B25.0C
1
     90
           90 fill mult factor = 1.00
           91 type = line, line string
1
     91
1
     92
           92 lvname = Prop CMT Pvmt Course 2
1
     93
           93
1
     94
           94 Proposed Undercut
1
     95
           95 common exc only
1
           96 soil type = Wall
     96
1
     97
           97 fill mult factor = 1.00
     98
           98 type = line, line_string
```

```
1
      99
            99 lvname = Prop CMT Concrete Wall
     100
 1
           100 lvname = Prop CMT Concrete Structures
 1
     101
           101
 1
     102
           102 excavation limits
     103
           103 lvname = Prop XS Exc Vertical Line 1
 1
 1
     104
           104 type = line
     105
 1
           105
     106
           106 Write Earthwork Shapes
 1
 1
     107
           107 plot param
     108
           108 lvname = WEI XS Earthwork
 1
 1
     109
           109 Stratify Shape Color
 1
     110
           110
 1
     111
           111 vertical search distance = 200
 1
     112
 1
     113
           113 /*calculate only between excavation limits*/
 1
     114
           114
 1
     115
           115 End Area Decimal Places = 2
 1
     116
           116
           117 write column base ascii file =
 1
     117
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\08-Y3.txt
     118
 1
     119
           119 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
 1
     120
           120 column 1 number of decimal place = 0
 1
     121
           121 column 1 total length = 10
 1
     122
           122
           123 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
     123
           124 column 2 number of decimal place = 0
 1
     124
 1
     125
           125 column 2 total length = 10
 1
     126
           126
 1
     127
           127 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
 1
     128
           128 column 3 number of decimal place = 0
 1
     129
           129 column 3 total length = 10
     130
 1
           130
 1
     131
           131 column 4 formula = ["SELECTMATERIAL", Fill, unadj vol]
           132 column 4 number of decimal place = 0
 1
     132
 1
     133
           133 column 4 total length = 10
 1
     134
           134
 1
     135
           135 column 5 formula = ["SHOULDERBORROW", Fill, end area]
     136
           136 column 5 number of decimal place = 2
 1
           137 column 5 total length = 10
 1
     137
     138
 1
           138
     139
           139 column 6 formula = ["S9.5B", Fill, End Area]
 1
 1
     140
           140 column 6 number of decimal place = 2
     141
           141 column 6 total length = 10
 1
 1
     142
           142
     143
           143 column 7 formula = ["B25.0C", Fill, End Area]
 1
           144 column 7 number of decimal place = 2
     144
```

```
146
1
          146
          147 Process Earthwork for Baseline = Y3
1
    147
          148 job number = rdy
1
    148
    149
          149
1
1
    150
          150 \text{ beg sta} = 23+00.00
1
    151
          151 \text{ end sta} = 26+85.00
1
    152
          152
1
    153
          153
1
    154
          154
1
    155
          155
1
    156
          156
1
    157
          157
1
    158
          158
    159
1
          159
1
    160
          160
          161 END_OF_FILE
0
      0
COMPUTING EARTHWORKS FOR BASELINE = Y3
COMPUTING EARTHWORKS FOR JOB = RDY
FORMING LIST OF XSCELLS
BEGINNING EARTHWORKS COMPUTATION
           Material Name
                            End Areas Unadjusted Adjusted
                                                             Mult
                                                                    Mass
                                       Volumes
                                                  Volumes
Station
                                                             Factor Ordinate
                            (sq. ft.) (cu. yd.) (cu. yd.)
------ ----- ----- ------ ------
  23+00.00 SUITABLE
               Common Exc
                                9.71
                                              0
                                                             1.00
             Subgrade Exc
                                0.00
                                              0
                                                             1.00
               Subsoil Exc
                                0.00
                                              0
                                                             1.00
                   Fill
                                0.52
                                              0
                                                             1.00
                                                                         0
           SHOULDERBORROW
               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
                                0.61
                                              0
                                                             1.00
           S9.5B
               Common Exc
                                0.00
                                              0
                                                             1.00
                                                         0
             Subgrade Exc
                                0.00
                                              0
                                                         0
                                                             1.00
              Subsoil Exc
                                0.00
                                              0
                                                         0
                                                             1.00
                   Fill
                                5.29
                                              0
                                                             1.00
                                                                         0
            B25.0C
               Common Exc
                                0.00
                                              0
                                                         0
                                                             1.00
             Subgrade Exc
                                0.00
                                              0
                                                             1.00
              Subsoil Exc
                                0.00
                                                             1.00
                                              0
                                                         0
                   Fill
                                0.48
                                              0
                                                             1.00
                                                                         0
  23+50.00 SUITABLE
               Common Exc
                                2.84
                                             12
                                                        12
                                                             1.00
             Subgrade Exc
                                0.00
                                              0
                                                             1.00
```

1

145

145 column 7 total length = 10

	Subsoil Exc	0.00	0	0	1.00	
	Fill	32.96	31	31	1.00	-19
	SHOULDERBORROW					
	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	0.60	1	1	1.00	-20
	S9.5B					
	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	7.72	12	12	1.00	-32
	B25.0C					
	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	2.89	3	3	1.00	-35
24+00.00	SUITABLE					
	Common Exc	7.14	9	9	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	68.66	94	94	1.00	-120
	SHOULDERBORROW					
	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	0.61	1	1	1.00	-121
	S9.5B					
	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	7.79	14	14	1.00	-135
	B25.0C					
	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	6.88	9	9	1.00	-144
24+50.00	SUITABLE					
	Common Exc	5.81	12	12	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	66.96	126	126	1.00	-258
	SHOULDERBORROW					
	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	0.63	1	1	1.00	-259
	S9.5B					

Common Exc	0.00	0	0	1.00	
	0.00			1.00	
Subgrade Exc Subsoil Exc	0.00	0 0	0 0	1.00	
					274
Fill	8.07	15	15	1.00	-274
B25.0C Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc					
Subsoil exc Fill	0.00	0	0	1.00	201
F111	11.96	17	17	1.00	-291
25+00.00 SUITABLE					
Common Exc	2.08	7	7	1.00	
Subgrade Exc	0.00	ø	9	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	83.39	139	139	1.00	-423
SHOULDERBORROW	65.55	139	109	1.00	-423
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00		0	1.00	
Subsoil Exc Fill	0.63	0 1	1	1.00	-424
S9.5B	0.03	1	1	1.00	-424
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	7.07	14	14	1.00	-438
B25.0C	7.07	14	14	1.00	-436
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00		0	1.00	
Subsoil Exc Fill	15.72	0 26	26	1.00	-464
LIII	13.72	20	20	1.00	-404
25+25.00 SUITABLE					
Common Exc	0.00	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	126.39	97	97	1.00	-560
SHOULDERBORROW					
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	0.63	1	1	1.00	-561
S9.5B					
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	7.06	7	7	1.00	-568
B25.0C					
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	9.61	12	12	1.00	-580
25+50.00 SUITABLE					
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	155.35	130	130	1.00	-710
SHOULDERBORROW				_,,,	,
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	0.63	1	1	1.00	-711
S9.5B					
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	7.07	7	7	1.00	-718
B25.0C					
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	9.62	9	9	1.00	-727
26+00.00 SUITABLE					
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	320.97	441	441	1.00	-1168
SHOULDERBORROW					
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	0.61	1	1	1.00	-1169
S9.5B					
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	7.73	14	14	1.00	-1183
B25.0C					
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	10.50	19	19	1.00	-1202
26+50.00 SUITABLE					
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	203.73	486	486	1.00	-1688
SHOULDERBORROW					

	Common Exc		0.00	e	9	1.00	
	Subgrade Exc		0.00				
	Subsoil Exc		0.00				
	Fill		0.60	1	. 1	1.00	-1689
	S9.5B						
	Common Exc		0.00	6	0	1.00	
	Subgrade Exc		0.00	6	0	1.00	
	Subsoil Exc		0.00	6	0	1.00	
	Fill		8.39	15	15	1.00	-1704
	B25.0C						
	Common Exc		0.00	e	9		
	Subgrade Exc		0.00				
	Subsoil Exc		0.00			1.00	
	Fill	-	11.39	20	20	1.00	-1724
	26+85.00 SUITABLE						
	Common Exc		5.11	3	3	1.00	
	Subgrade Exc		0.00			1.00	
	Subsoil Exc		0.00			1.00	
	Fill		1.57			1.00	-1854
	SHOULDERBORROW		1.57	133		1.00	1051
	Common Exc		0.00	e	9	1.00	
	Subgrade Exc		0.00				
	Subsoil Exc		0.00				
	Fill		0.60	1			-1855
	S9.5B						
	Common Exc		0.00	6	0	1.00	
	Subgrade Exc		0.00	e	9	1.00	
	Subsoil Exc		0.00	e	0	1.00	
	Fill	-	12.91	14	14	1.00	-1869
	B25.0C						
	Common Exc		0.00	6	0	1.00	
	Subgrade Exc		0.00	6	0	1.00	
	Subsoil Exc		0.00	6		1.00	
	Fill		17.40				-1888
•					TOTAL		
	Material Na	ne		-	Adjusted 1		
				Volumes		Factor	
				(cu. yd.)	(cu. yd.)		
	SUITABLE						
		Common	Exc	44	44	1.00	
		bgrade		0	0	1.00	
		ubsoil		0	0	1.00	
		Fill		1677	1677	1.00	
	SHOULDERBORROW						
		Common		0	0	1.00	
		bgrade		0	0	1.00	
	Si	ubsoil	Exc	0	0	1.00	
		Fill		9	9	1.00	

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	<b>S</b> 9	.5B								
			Common Subgrade			0 0		0 0	1.00 1.00	
			Subsoil			0		0	1.00	
	В2	5.0C	Fill			112		112	1.00	
			Common			0		0	1.00	
			Subgrade Subsoil			0 0		0 0	1.00 1.00	
			Fill			134		134	1.00	
<b>^</b>			S	P L	ΙT	S U	ММА	RY	TOTAL	S
Qua	ınt				XS Q	uant	XS Q	uant	Add/Sub Quant	Add/Sub
	lult	Material	Name		Unad	justed	Adju	sted	Unadjusted	Adjusted
	actor				Volu	me	Volu	me	Volume	Volume
'	accor				(cu.	yd.)	(cu.	yd.)	(cu. yd.)	(cu. yd.)
	SU	ITABLE								
0			Common	Exc		44		44	0	
0	1.00		Subgrade	Exc		0		0	0	
0	1.00		Subsoil	Fxc		0		0	0	
0	1.00			LXC						
0	1.00		Fill			1677		1677	0	
		OULDERBORROW		_						
0	1.00		Common	EXC		0		0	0	
0	1.00		Subgrade	Exc		0		0	0	
			Subsoil	Exc		0		0	0	
0	1.00		Fill			9		9	0	
0	1.00	.5B								
	39	. 30	Common	Exc		0		0	0	
0	1.00		Subgrade	Exc		0		0	0	
0	1.00		_							
0	1.00		Subsoil	EXC		0		0	0	
0	1.00		Fill			112		112	0	
J		5.0C								

•	4.00	Common	Exc	0	0	0
0	1.00	Subgrade	Exc	0	0	0
0	1.00	Subsoil	Exc	0	0	0
0	1.00	Fill		134	134	0
0	1.00	1 111		134	134	U