Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: HB-0003 COUNTY: Haywood DATE: 4/9/2024 COMPILED BY: JCH

CHAIN STATION TOTAL ROCK NDERCUT UNCLASS.		STE	WAS				KMENT	EMBAN			EXCAVATION	I				
Place	TOTAL	UNSUIT.	SUITABLE	ROCK	BORROW		EARTH	ROCK	TOTAL			ROCK		STATION	STATION	CHAIN
						+15%				UNCLASS.	UNCLASS.		UNCLASS.			
190-000																
1- 10-00.00 20-00.00 9.56 9.56 9.56 2 2 2 9.534						1										-L- RT
TMP_DRI- 109-238					3,525											
DRI	9,534						_									
Stage Culvert Surcharge Removal 18,900 19,900,00 19,900,00 20,940 19,900,00 19,9	1,084															
Suge 1 Culvert Surchurge Removal 18,900 18	386		386		10.000		8		8	395			395			-DR1-
Name	10,000		10,000		18,900	18,900				10.000			10.000			
Phase 2	18,900		18,900							18,900			18,900	ge Removai	Stage 1 Culvert Surcharg	
171+40.00	29,904		29,904		53,699	86,810	59,053		59,053	63,015			63,015	SUBTOTAL		
L- MEDIAN 171+40.00 199+00.00 429 429 312 312 312 359 70						1										
190+00.00 208+00.00 445 445 157 157 181 264							212		212	120			100	100.00.00		
Stage 2 Culvert Surcharge Removal 8,300	70															-L- MEDIAN
Stage 2 Culvert Surcharge Removal 8,300	264		264		0.200		157		157	445			445			
SUBTOTAL 9,174 469 469 8,840 8,300 8,634	8,300		0.200		8,300	8,300				0.200			0.200			
Phase 3	8,300		8,300							8,300			8,300	ge Removai	Stage 2 Curvert Surcharg	
Total Subtotal S	8,634		8,634		8,300	8,840	469		469	9,174			9,174	SUBTOTAL		
Total 82,052 82,052 83,055 83,055 83,055 83,056 83,056 83,056 83,056 83,057 83																
199+00.00 208+00.00 2,596 2,596 1,381 1,381 1,588 1,008 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08 1,08																
SUBTOTAL 9,863 9,863 4,013 4,013 4,615 5,248	4,240															-L- LT
TOTAL 82,052 82,052 63,535 63,535 100,265 61,999 43,786	1,008		1,008			1,588	1,381		1,381	2,596			2,596	208+00.00	190+00.00	
MATERIAL FOR SHOULDER CONSTRUCTION 5,000 5,000 5,750	5,248		5,248			4,615	4,013		4,013	9,863			9,863	SUBTOTAL		
MATERIAL FOR SHOULDER CONSTRUCTION 5,000 5,000 5,750	43,786		42.796		(1,000	100.265	(2.525		(2.525	92.052			92.052	TOTAL		
LOSS DUE TO CLEARING & GRUBBING	43,780		45,780							82,032			82,032		MATERIAL EOD C	
ADDITIONAL UNDERCUT CONTINGENCY WASTE IN LIEU OF BORROW PROJECT TOTAL 82,052 82					3,730	3,730	3,000		3,000							
WASTE IN LIEU OF BORROW						+				-						
PROJECT TOTAL 82,052 82,052 68,535 106,015 37,845 13,882 EST. 5% TO REPLACE TOP SOIL ON BORROW PIT 1,893 <t< td=""><td>-29,904</td><td></td><td>-29.904</td><td></td><td>-29.904</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	-29,904		-29.904		-29.904					-						
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT	13,882					106,015	68,535		68,535	82,052			82,052			
					27,010	100,000	***************************************		00,000							
GRAND TOTAL 82,052 39,738 13,882					1,893									TOP SOIL ON BORROW PIT	EST. 5% TO REPLACE	
57,750 13,002	13,882		13 882		39 738								82 052	GRAND TOTAL		
	13,002		15,002										Í			
SAY 87,000 42,000					42,000								87,000	SAY		
	+															
NOTE: FARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE FARTHWORK QUANTITIES ARE RASED IN PART ON SURSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.																

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 (CY)= 19,997

EST. DDE = 800 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, ESTIMATED 450 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

```
Input File: R:\Roadway\CorridorModeling\Earthwork\EW-INP\01-EW-L-RT-17140-20800.inp
Output File: 01-EW-L-RT-17140-20800.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 = HB0003_rdy_xsc_L.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
            38 fill mult factor = 1.00
 1
      38
 1
      39
            39 type = line, line_string
 1
      40
            40 lvname = WEI XS Soil-UnsuitableMarginal
 1
      41
            41
      42
            42 existing suitable material
 1
 1
            43 soil type = DDE
      43
 1
      44
            44 fill mult factor = 1.00
 1
      45
            45 type = line, line_string
 1
            46 lvname = WEI XS Soil-DDE
      46
 1
      47
            47
      48
            48 existing suitable material
```

```
1
     49
           49 soil type = UnsuitableDDE
1
           50 fill mult factor = 1.00
     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
     59
1
           59
           60 Proposed Undercut
1
     60
1
     61
           61 common exc only
           62 soil type = PaveStructure
1
     62
           63 fill mult factor = 1.00
1
     63
1
     64
           64 type = line, line string
           65 lvname = Prop CMT Subgrade Earthwork
1
     65
1
     66
           66
           67 Proposed Undercut
1
     67
1
     68
           68 common exc only
           69 soil type = ShoulderBorrow
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = Prop XS Subgrade
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = Suitable
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-Suitable
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 soil type = SelectMaterial
1
     82
           82 fill mult factor = 1.00
1
     83
           83 type = line, line string
           84 lvname = WEI XS Fill-SelectMaterial
1
     84
1
     85
           86 excavation limits
1
     86
1
     87
           87 lvname = Prop XS Exc Vertical Line 1
1
     88
           88 type = line
1
     89
           89
     90
           90 Write Earthwork Shapes
1
           91 plot param
1
     91
1
     92
           92 lvname = WEI XS Earthwork
1
     93
           93 Stratify Shape Color
1
     94
           94
1
     95
           95 vertical search distance = 200
           96 calculate only between excavation limits
1
     96
           97 End Area Decimal Places = 2
1
     97
     98
           98
```

```
99 write column base ascii file =
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\01-L-RT-17140-19000.txt
     100
           101 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     101
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
 1
     102
           102 column 1 number of decimal place = 0
 1
     103
           103 column 1 total length = 15
 1
     104
           104
     105
           105 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
           106 column 2 number of decimal place = 0
 1
     106
           107 column 2 total length = 15
 1
     107
 1
     108
           108
     109
           109 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           110 column 3 number of decimal place = 0
 1
     110
 1
     111
           111 column 3 total length = 15
 1
     112
           112
           113 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
 1
     113
 1
     114
           114 column 4 number of decimal place = 0
           115 column 4 total length = 15
 1
     115
 1
     116
           116
 1
           117 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
     117
           118 column 5 number of decimal place = 0
 1
     118
 1
     119
           119 column 5 total length = 15
 1
     120
           120
 1
     121
           121 column 6 formula = ["SHOULDERBORROW", Fill, end area]
           122 column 6 number of decimal place = 2
 1
     122
 1
     123
           123 column 6 total length = 15
 1
     124
           124
     125
 1
           125 Process Earthwork for Baseline = L
 1
     126
           126 job number = rdy
 1
     127
           127
 1
     128
           128 beg sta = 171+40.00
 1
     129
           129 \text{ end sta} = 190+00.00
     130
 1
           130
     131
           131 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\01-L-RT-19000-20800.txt
     132
           132
 1
           133 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     133
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           134 column 1 number of decimal place = 0
 1
     134
     135
           135 column 1 total length = 15
 1
     136
 1
           136
 1
     137
           137 column 2 formula = ["SUITABLE", Fill, unadj vol]
           138 column 2 number of decimal place = 0
 1
     138
           139 column 2 total length = 15
 1
     139
 1
     140
     141
           141 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
```

```
1
    143
          143 column 3 total length = 15
1
    144
          144
    145
          145 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
1
          146 column 4 number of decimal place = 0
1
    146
    147
          147 column 4 total length = 15
1
    148
1
1
    149
          149 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
          150 column 5 number of decimal place = 0
    150
1
          151 column 5 total length = 15
1
    151
    152
1
          152
1
    153
          153 column 6 formula = ["SHOULDERBORROW", Fill, end area]
          154 column 6 number of decimal place = 2
1
    154
          155 column 6 total length = 15
1
    155
1
    156
         156
    157
          157 Process Earthwork for Baseline = L
1
1
    158
          158 job number = rdy
1
    159
          159
1
    160
          160 beg sta = 190+00.00
1
    161
          161 \text{ end sta} = 208+00.00
1
    162
          162
1
    163
         163
1
    164
         164
1
    165
         165
1
    166
         166
1
    167
         167
1
    168
         168
      0
          169 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
                                                         Factor Ordinate
Station
                     (sq. ft.) (cu. yd.) (cu. yd.)
171+40.00 SUITABLE
                           21.57
                                        0
0
              Common Exc
                                                     0
                                                        1.00
            Subgrade Exc
                            0.00
                                                     0
                                                        1.00
             Subsoil Exc
                            0.00
                                         0
                                                        1.00
                                                   0
                  Fill
                             0.00
                                         0
                                                         1.00
                                                                    0
           PAVESTRUCTURE
                                         0
                                                     0
                                                         1.00
              Common Exc
                            0.00
            Subgrade Exc
                            0.00
                                         0
                                                     0
                                                        1.00
             Subsoil Exc
                             0.00
                                                        1.00
                                          0
                                                     0
                  Fill
                             24.79
                                         0
                                                         1.00
                                                                    0
          SHOULDERBORROW
              Common Exc
                           0.00
                                         0
                                                         1.00
```

Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol] 142 column 3 number of decimal place = 0

1

142

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.75	0	0	1.00	0
	3.73	· ·	ŭ	1.00	J
172+00.00 SUITABLE					
Common Exc	21.64	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	48
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.44	55	55	1.00	-7
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	3.70	8	8	1.00	-15
172+50.00 SUITABLE					
Common Exc	19.47	38	38	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.17	1	1	1.00	22
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	28.49	49	49	1.00	-27
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	4.60	8	8	1.00	-35
173+00.00 SUITABLE					
Common Exc	15.93	33	33	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.12	2	2	1.00	-4
PAVESTRUCTURE	1.12	_	_	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	27.59	52	52	1.00	-56
SHOULDERBORROW	27.55	J <u>-</u>	<i>52</i>		50
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
5.55511 EXC	2.00	•	•		

Fill	5.41	9	9	1.00	-65
173+50.00 SUITABLE					
Common Exc	15.29	29	29	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.60	3	3	1.00	-39
PAVESTRUCTURE	2.00	,	5	1.00	-33
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.41	51	51	1.00	-90
SHOULDERBORROW	27.41	71	71	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	5.49	10	10	1.00	-100
LIII	5.49	10	10	1.00	-100
174+00.00 SUITABLE					
Common Exc	17.69	31	31	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.26	8	8	1.00	-77
PAVESTRUCTURE					
Common 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	49	49	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	5.49	10	10	1.00	-136
174+50.00 SUITABLE					
Common Exc	18.70	34	34	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.95	12	12	1.00	-114
PAVESTRUCTURE					
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	25.62	48	48	1.00	-162
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	-172
	3				-,-

175+00.00 SUITABLE					
Common Exc	33.23	48	48	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	6	6	1.00	-130
PAVESTRUCTURE	0.00	J	J	1.00	130
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.58	46	46	1.00	-176
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	
Fill	10.52	15	15	1.00	-191
1111	10.32	13	13	1.00	101
175+50.00 SUITABLE					
Common Exc	25.15	54	54	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	7.33	7	7	1.00	-144
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	29.56	50	50	1.00	-194
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	7.85	17	17	1.00	-211
176+00.00 SUITABLE	47.50	40	40	4 00	
Common Exc	17.59	40	40	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	63.69	66	66	1.00	-237
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	35.40	60	60	1.00	-297
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	9.13	16	16	1.00	-313
176.E0 00 CHTTADLE					
176+50.00 SUITABLE	15 60	21	21	1 00	
Common Exc	15.60	31	31	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	46.53	102	102	1.00	-384
PAVESTRUCTURE	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	37.03	67	67	1.00	-451
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	9.98	18	18	1.00	-469
177+00.00 SUITABLE					
Common Exc	45.97	57	57	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9.55	52	52	1.00	-464
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	36.64	68	68	1.00	-532
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	
Fill	13.55	22	22	1.00	-554
1111	13.33	22	22	1.00	334
177+50.00 SUITABLE					
Common Exc	243.17	268	268	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.32	10	10	1.00	-296
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	37.34	69	69	1.00	-365
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	14.51	26	26	1.00	-391
178+00.00 SUITABLE					
Common Exc	408.28	603	603	1.00	
Subgrade Exc	0.00	003	003	1.00	
Subsoil Exc	0.00	0	0	1.00	
2002011 EXC	0.00	Ø	О	1.00	

Fill	0.33	2	2	1.00	210
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.87	71	71	1.00	139
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	15.60	28	28	1.00	111
178+50.00 SUITABLE					
Common Exc	468.84	812	812	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.37	1	1	1.00	922
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	43.75	77	77	1.00	845
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	16.84	30	30	1.00	815
179+00.00 SUITABLE					
Common Exc	437.22	839	839	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	1652
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	48.12	85	85	1.00	1567
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	16.96	31	31	1.00	1536
179+50.00 SUITABLE					
Common Exc	374.28	751	751	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.77	4	4	1.00	2283
PAVESTRUCTURE					
· -					

Common Exc Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.00 52.68	0 0 0 93	0 0 0 93	1.00 1.00 1.00 1.00	2190
SHOULDERBORROW Common Exc Subgrade Exc	0.00 0.00	0 0	0	1.00 1.00	
Subsoil Exc Fill	0.00 16.96	0 31	0 31	1.00 1.00	2159
180+00.00 SUITABLE					
Common Exc	294.48	619	619	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.73	6	6	1.00	2772
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	65.53	109	109	1.00	2663
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	16.96	31	31	1.00	2632
180+50.00 SUITABLE					
Common Exc	159.74	421	421	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.31	9	9	1.00	3044
PAVESTRUCTURE				4 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0 127	0 127	1.00	2017
SHOULDERBORROW	71.73	127	127	1.00	2917
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	16.96	31	31	1.00	2886
		_		_,,,	
181+00.00 SUITABLE					
Common Exc	273.01	401	401	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8.67	14	14	1.00	3273
PAVESTRUCTURE		_	_	4 6-	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc	0.00	0	0	1.00	
Fill	77.29	138	138	1.00	3135
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	0	0	1.00	2104
FIII	16.97	31	31	1.00	3104
181+50.00 SUITABLE					
Common Exc	541.77	754	754	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	11.01	18	18	1.00	3840
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	91.39	156	156	1.00	3684
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	13.51	28	28	1.00	3656
182+00.00 SUITABLE					
Common Exc	931.36	1364	1364	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.42	23	23	1.00	4997
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	102.74	180	180	1.00	4817
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	11.10	23	23	1.00	4794
182+50.00 SUITABLE					
Common Exc	1229.17	2000	2000	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	14.50	26	26	1.00	6768
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	105.16	192	192	1.00	6576

SHOULDERBORRO	DW				
Common Ex		0	0	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	11.56	21	21	1.00	6555
183+00.00 SUITABLE					
Common Ex	c 1497.65	2525	2525	1.00	
Subgrade Ex		2323	2323	1.00	
Subsoil Ex		0	0	1.00	
Fill	13.97	26	26	1.00	9054
PAVESTRUCTURE		20	20	1.00	2024
Common Ex		0	0	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	104.54	194	194	1.00	8860
SHOULDERBORRO		1)4	1)4	1.00	8800
Common Ex	(c 0.00	0	0	1.00	
Subgrade Ex	(c 0.00	0	0	1.00	
Subsoil Ex	(c 0.00	0	0	1.00	
Fill	12.11	22	22	1.00	8838
183+50.00 SUITABLE					
Common Ex		3010	3010	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	
Fill	8.38	21	21	1.00	11827
PAVESTRUCTURE		0	0	1 00	
Common Ex		0	0	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	11622
Fill	104.54	194	194	1.00	11633
SHOULDERBORRO		0	0	1 00	
Common Ex		0	0	1.00	
Subgrade Ex		0	0	1.00	
Subsoil Ex		0	0	1.00	11611
Fill	12.11	22	22	1.00	11611
184+00.00 SUITABLE					
Common Ex	cc 1518.37	3029	3029	1.00	
Subgrade Ex	(c 0.00	0	0	1.00	
Subsoil Ex	(c 0.00	0	0	1.00	
Fill	2.21	10	10	1.00	14630
PAVESTRUCTURE					
Common Ex	(c 0.00	0	0	1.00	
Subgrade Ex	(c 0.00	0	0	1.00	
Subsoil Ex	(c 0.00	0	0	1.00	
Fill	104.54	194	194	1.00	14436
SHOULDERBORRO	DW				
Common Ex	(c 0.00	0	0	1.00	

Subgrade Exc Subsoil Exc	0.00 0.00	0 0	0 0	1.00 1.00	
Subsoil Exc Fill	12.11	22	22	1.00	14414
1111	12.11	22	22	1.00	14414
184+50.00 SUITABLE					
Common Exc	1208.89	2525	2525	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9.87	11	11	1.00	16928
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	123.94	212	212	1.00	16716
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	12.11	22	22	1.00	16694
185+00.00 SUITABLE					
Common Exc	608.49	1683	1683	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	43.89	50	50	1.00	18327
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	123.94	230	230	1.00	18097
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	12.11	22	22	1.00	18075
185+50.00 SUITABLE					
Common Exc	0.00	563	563	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	639.99	633	633	1.00	18005
PAVESTRUCTURE	039.99	055	055	1.00	10003
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	124.06	230	230	1.00	17775
SHOULDERBORROW	124.00	230	230	1.00	1///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	
2 3 . 5 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1	2.00	ŭ	ŭ		

Fill	12.11	22	22	1.00	17753	
186+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	1336.29	1830	1830	1.00	15923	
PAVESTRUCTURE						
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	142.03	246	246	1.00	15677	
SHOULDERBORROW	112.03	2.10	2.10	1.00	13077	
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
					15650	
Fill	7.67	18	18	1.00	15659	
186+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	42446	
Fill	2133.91	3213	3213	1.00	12446	
PAVESTRUCTURE		_	_			
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	142.87	264	264	1.00	12182	
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	12168	
, = = =				_,,,		
187+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	2657.69	4437	4437	1.00	7731	
PAVESTRUCTURE						
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	150.08	271	271	1.00	7460	
SHOULDERBORROW	190.00	2/1	2/1	1.00	7400	
	0.00	Ω	o	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	7446	
Fill	7.67	14	14	1.00	7446	

187+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	3310.88	5526	5526	1.00	1920
PAVESTRUCTURE	3320.00	3320	3320	2.00	1,520
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	154.31	282	282	1.00	1638
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	1624
188+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	3465.66	6275	6275	1.00	-4651
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	159.23	290	290	1.00	-4941
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	-4955
188+50.00 SUITABLE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc		0	0	1.00	
Fill	3744.86	6676	6676	1.00	-11631
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	159.23	295	295	1.00	-11926
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	-11940
189+00.00 SUITABLE					
Common Exc	0.00	0	0	1.00	

				•	4 00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	10072
	Fill PAVESTRUCTURE	3742.11	6932	6932	1.00	-18872
	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	164.41	300	300	1.00	-19172
	SHOULDERBORROW	104.41	200	200	1.00	-131/2
	Common 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	-19186
		,			2.00	13100
189+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	3713.04	6903	6903	1.00	-26089
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	139.84	282	282	1.00	-26371
	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	-26385
190+00.00	SUTTABLE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	541.17	3939	3939	1.00	-30324
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	154.25	272	272	1.00	-30596
	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	7	7	1.00	-30603
N	$G \; R \; A \; N \; D$	S U M M	$A\ R\ Y\qquad T$	0 T A L S	S	
	Material Name	Una	ndjusted Adju	ısted Mu	ult	
		Vol	.umes Volu	ımes Fa	actor	
		(cı	ı. yd.) (cu.	yd.)		

	SUITABLE						
	SOTTABLE	Common	Fxc	22610	22610	1.00	
		Subgrade	_	0	0	1.00	
		Subsoil		0	0	1.00	
		Fill	LXC	46856	46856	1.00	
	PAVESTRUCTURE	LIII		40030	40030	1.00	
	PAVESTRUCTURE	Common	Evc	a	a	1 00	
		Common		0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil	EXC	0	0	1.00	
		Fill		5648	5648	1.00	
	SHOULDERBORROW						
		Common		0	0	1.00	
		Subgrade		0	0	1.00	
		Subsoil	Exc	0	0	1.00	
		Fill		709	709	1.00	
^		SI	P L	IT SU	M M A R Y	TOTAL	S
				XS Quant	XS Quant	Add/Sub Quant	Add/Sub
Qua							
	Material	Name		Unadjusted	Adjusted	Unadjusted	Adjusted
Μ	lult						
				Volume	Volume	Volume	Volume
F	actor						
				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
	SUITABLE						
	SULTABLE	C		22610	22610	0	
_	4 00	Common	EXC	22610	22610	0	
0	1.00		_	_	_		
_		Subgrade	Exc	0	0	0	
0	1.00						
		Subsoil	Exc	0	0	0	
0	1.00						
		Fill		46856	46856	0	
0	1.00						
	PAVESTRUCTURE						
		Common	Exc	0	0	0	
0							
U	1.00						
U	1.00	Subgrade	Fxc	а	9	a	
		Subgrade	Exc	0	0	0	
0	1.00	· ·					
0	1.00	Subgrade Subsoil		0	0	0	
		Subsoil		0	0	0	
0	1.00	· ·					
0	1.00 1.00 1.00	Subsoil		0	0	0	
0	1.00	Subsoil Fill	Exc	9 5648	9 5648	0	
0 0 0	1.00 1.00 1.00 SHOULDERBORROW	Subsoil	Exc	0	0	0	
0	1.00 1.00 1.00	Subsoil Fill Common	Exc	0 5648 0	9 5648 0	0	
0 0 0	1.00 1.00 1.00 SHOULDERBORROW 1.00	Subsoil Fill	Exc	9 5648	9 5648	0	
0 0 0	1.00 1.00 1.00 SHOULDERBORROW	Subsoil Fill Common	Exc	0 5648 0	9 5648 0	0	

		Subsoil	Exc	0	0		0
0	1.00	Fill		709	709		0
0	1.00	B A L A N C E Material Name	Р	O I N T Cumula		R Y Increme	ental
Mult	-			Unadjusted	Adjusted	Unadjusted	Adjusted
Fact	cor					Volumes (cu. yd.)	
 St	 cation = 17 SUITAE	BLE					
1.00)	Common	Exc	1181	1181	1181	1181
1.00)	Subgrade	Exc	0	0	0	0
1.00)	Subsoil	Exc	0	0	0	0
1.00		Fill		271	271	271	271
1.00	UNSUIT		_				_
1.00)	Common		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		TABLEMARGINAL Communication	.	0	0	0	0
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
	DDE	Common	Evc	0	0	0	0
1.00)						
1.00)	Subgrade		0	0	0	0
1.00)	Subsoil	Exc	0	0	0	0
1.00)	Fill		0	0	0	0

	UNSUITABLEDDE						
1 00	0.130117.1322332	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	, 111		ŭ	ŭ	Ū	ŭ
	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	PAVESTRUCTURE						
1.00	1,11231110610112	Common	Exc	0	0	0	0
		Subgrade	Exc	0	0	0	0
1.00		Subsoil	Exc	0	0	0	0
1.00		Fill		719	719	719	719
1.00	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		191	191	191	191
1.00	SELECTMATERIAL						
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 Stati	on = 187+62.34						
	SUITABLE	Common	Exc	22610	22610	21429	21429
1.00		Subgrade		0	0	0	0
		2008Lane	EXC	Ø	0	0	0

1.00		_				
1.00	Subsoil	EXC	0	0	0	0
1.00	Fill		17680	17680	17409	17409
	UNSUITABLE	-	2	0	0	0
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					
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			0	0	0	0
	DDE 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
	UNSUITABLEDDE	F	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	0
	Fill		0	0	0	0
1.00	UNDERCUT					
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		3	J	J	J

	PAVESTRUCTURE	Common Ex	c 0	0	0	0		
1.00	Çı	ubgrade Ex	c 0	0	0	0		
1.00		_			•			
1.00	<u>'</u>	Subsoil Ex	с 0	0	0	0		
1.00		Fill	4281	4281	3562	3562		
_,,,	SHOULDERBORROW	Common Ev	- 0	0	0	0		
1.00		Common Ex		0	0	0		
1.00	Si	ubgrade Ex	с 0	0	0	0		
1.00	:	Subsoil Ex	с 0	0	0	0		
		Fill	649	649	458	458		
1.00	SELECTMATERIAL							
1.00		Common Ex	с 0	0	0	0		
1.00	S	ubgrade Ex	с 0	0	0	0		
	:	Subsoil Ex	c 0	0	0	0		
1.00		Fill	0	0	0	0		
1.00 COMPUTING EARTHWORKS FOR BASELINE = L COMPUTING EARTHWORKS FOR JOB = RDY FORMING LIST OF XSCELLS BEGINNING EARTHWORKS COMPUTATION								
↑ Station	Material Name		eas Unadjuste Volumes t.) (cu. yd.)	Volumes	Factor Ordi	nate		
100.0	 0.00 SUITABLE							
170+00	Common Ex				1.00			
	Subgrade Ex	0.0	do 0	0	1.00			

Station	Material Name	End Areas	Unadjusted Volumes	Adjusted Volumes	Mult Factor	Mass Ordinate
		(sq. ft.)	(cu. yd.)	(cu. yd.)		
190+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	541.17	0	0	1.00	0
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	154.25	0	0	1.00	0
190+50.00	SUITABLE					
	Common Exc	0.01	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc Fill	0.00 1239.86	0 1649	0 1649	1.00 1.00	-1649
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	1047
Fill	167.36	298	298	1.00	-1947
191+00.00 SUITABLE					
Common Exc	1.07	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1166.12	2228	2228	1.00	-4174
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	159.27	302	302	1.00	-4476
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	7	7	1.00	-4483
191+50.00 SUITABLE					
Common Exc	0.52	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1002.25	2008	2008	1.00	-6490
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	148.86	285	285	1.00	-6775
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	-6789
192+00.00 SUITABLE					
Common Exc	0.29	1	1	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	895.38	1757	1757	1.00	-8545
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	143.36	271	271	1.00	-8816

	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	-8830
192+50.00	CUTTADI E					
192+30.00	Common Exc	0.26	1	1	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	770.10	1542	1542	1.00	-10371
	PAVESTRUCTURE	770.10	1342	1542	1.00	-105/1
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	139.77	262	262	1.00	-10633
	SHOULDERBORROW	133.77	202	202	1.00	-10033
	Common 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	14	14	1.00	-10647
193+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	505.21	1181	1181	1.00	-11828
	PAVESTRUCTURE	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	
	Subsoli Exc Fill	0.00 123.97	0 244	0 244	1.00	-12072
	SHOULDERBORROW	123.97	244	244	1.00	-120/2
	Common Exc	0.00	a	a	1.00	
		0.00	0 0	0 0	1.00	
	Subgrade Exc Subsoil Exc					
	Fill	0.00 7.96	0 1 E	0 15	1.00	12007
	LIII	7.90	15	15	1.00	-12087
193+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	306.90	752	752	1.00	-12839
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	123.98	230	230	1.00	-13069
	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	8.15	15	15	1.00	-13084
104 00 00 50774505					
194+00.00 SUITABLE	4 07	2	2	4 00	
Common Exc	1.87	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	212.05	481	481	1.00	-13563
PAVESTRUCTURE		_	_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	123.98	230	230	1.00	-13793
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	10.73	17	17	1.00	-13810
104.50.00 CUTTABLE					
194+50.00 SUITABLE	6 63			4 00	
Common Exc	6.63	8	8	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	131.98	319	319	1.00	-14121
PAVESTRUCTURE		_	_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	104.59	212	212	1.00	-14333
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	13.55	22	22	1.00	-14355
195+00.00 SUITABLE					
Common Exc	32.15	36	36	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	36.80	156	156	1.00	-14475
PAVESTRUCTURE	30.80	130	130	1.00	-144/3
Common Exc	0.00	a	α	1.00	
Subgrade Exc	0.00	0 0	0 0	1.00	
<u> </u>					
Subsoil Exc	0.00	0	0	1.00	14660
Fill SHOULDERBORROW	104.59	194	194	1.00	-14669
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
JUDJOIT LAC	0.00	U	U	1.00	

Fill	16.65	28	28	1.00	-14697
195+50.00 SUITABLE					
Common Exc	316.78	323	323	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	34	34	1.00	-14408
PAVESTRUCTURE	0.00	24	J 4	1.00	-14400
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	101.19	191	191	1.00	-14599
SHOULDERBORROW	101.15	101	171	1.00	14333
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	24.93	39	39	1.00	-14638
	21.03	33		1.00	11050
196+00.00 SUITABLE					
Common Exc	410.55	673	673	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-13965
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	97.79	184	184	1.00	-14149
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	29.79	51	51	1.00	-14200
196+50.00 SUITABLE					
Common Exc	426.56	775	775	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-13425
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	94.39	178	178	1.00	-13603
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	34.65	60	60	1.00	-13663

Common Exc Sy2.54 758 758 1.00	197+00.00 SUITABLE					
Subgrade Exc 0.00 0 0 1.00		392.54	758	758	1.00	
Subsoil Exc 0.00 0 0 1.00 -12907						
Fill 2.65 2 2 1.00 -12907			0	0	1.00	
Common Exc	Fill	2.65	2	2	1.00	-12907
Subgrade Exc	PAVESTRUCTURE					
Subsoil Exc 0.00 0 0 1.00	Common Exc	0.00	0	0	1.00	
Fill	Subgrade Exc	0.00	0	0	1.00	
SHOULDERBORROW Common Exc 0.00 0 0 1.00	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 39.51 69 69 1.00 -13146	Fill	89.06	170	170	1.00	-13077
Subgrade Exc 0.00 0 0 1.00 1.00 1.00 Fill 39.51 69 69 1.00 -13146	SHOULDERBORROW					
Subsoil Exc 0.00 0 0 1.00 -13146	Common Exc	0.00	0	0	1.00	
Fill 39.51 69 69 1.00 -13146	Subgrade Exc	0.00	0	0	1.00	
197+50.00 SUITABLE Common Exc	Subsoil Exc	0.00	0	0	1.00	
Common Exc 298.66 640 640 1.00 Subgrade Exc 0.00 0 0 1.00 Fill 3.26 5 5 1.00 -12511	Fill	39.51	69	69	1.00	-13146
Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 3.26 5 5 1.00 -12511	197+50.00 SUITABLE					
Subsoil Exc 0.00 0 0 1.00 Fill 3.26 5 5 1.00 -12511	Common Exc	298.66	640	640	1.00	
Fill 3.26 5 5 1.00 -12511 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 78.65 155 155 1.00 -12666 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 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 44.34 78 78 1.00 -12744 198+00.00 SUITABLE Common Exc 247.57 506 506 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 3.69 6 6 1.00 -12244 PAVESTRUCTURE 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 67.42 135 135 135 1.00 -12379 SHOULDERBORROW Common Exc 0.00 0 0 0 1.00 Subsoil Exc 0.00 0 0 0 1.00 Fill 49.04 86 86 1.00 -12465	Subgrade Exc	0.00	0	0	1.00	
PAVESTRUCTURE Common Exc	Subsoil 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 Fill 78.65 155 155 1.00 -12666 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 44.34 78 78 1.00 -12744 198+00.00 SUITABLE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 0 1.00 0 1.00 Subgrade Exc 0.00 0 0 0 1.00 1.00 Subgrade Exc 0.00 0 0 0 1.00	Fill	3.26	5	5	1.00	-12511
Subgrade Exc 0.00 0 1.00 Subsoil Exc 0.00 0 1.00 Fill 78.65 155 155 1.00 -12666 SHOULDERBORROW 0 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 -12744 198+00.00 SUITABLE Common Exc 247.57 506 506 1.00 -12744 Subgrade Exc 0.00 0 0 1.00 -12244 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 -12379 Subsoil Exc 0.00 0 0 1.00 -12379 SHOULDERBORROW Common Exc 0.00 0 0 1.00	PAVESTRUCTURE					
Subsoil Exc 0.00 0 1.00 1.00 Fill 78.65 155 155 1.00 -12666	Common Exc	0.00	0	0	1.00	
Fill 78.65 155 155 1.00 -12666 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 1.00 Fill 44.34 78 78 1.00 -12744 198+00.00 SUITABLE Common Exc 247.57 506 506 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 3.69 6 6 1.00 -12244 PAVESTRUCTURE 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 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 0 1.00 Subsoil Exc 0.00 0 0 0 1.00 Subsoil Exc 0.00 0 0 0 1.00 Fill 49.04 86 86 1.00 -12465	Subgrade Exc	0.00	0	0	1.00	
SHOULDERBORROW Common Exc	Subsoil 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 Fill 44.34 78 78 1.00 -12744 198+00.00 SUITABLE	Fill	78.65	155	155	1.00	-12666
Subgrade Exc 0.00 0 1.00 Subsoil Exc 0.00 0 1.00 Fill 44.34 78 78 1.00 -12744 198+00.00 SUITABLE Common Exc 247.57 506 506 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE 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.	SHOULDERBORROW					
Subsoil Exc	Common Exc	0.00	0	0	1.00	
### Fill #### 78 78 1.00 -12744 198+00.00 SUITABLE Common Exc 247.57 506 506 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 67.42 135 135 1.00 -12379 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 Fill 49.04 86 86 1.00 -12465	Subgrade Exc	0.00	0	0	1.00	
198+00.00 SUITABLE Common Exc 247.57 506 506 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE 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 67.42 135 135 1.00 -12379 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 0 1.00	Subsoil Exc	0.00	0	0	1.00	
Common Exc 247.57 506 506 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 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 Subsoil Exc 0.00 0 0 1.00 Fill 49.04 86 86 1.00 -12465	Fill	44.34	78	78	1.00	-12744
Subgrade Exc 0.00 0 1.00 Subsoil Exc 0.00 0 1.00 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 -12379 SHOULDERBORROW Common Exc 0.00 0 0 1.00 -12379 Subgrade Exc 0.00 0 0 1.00 -12465 Subsoil Exc 0.00 0 0 1.00 -12465 198+50.00 SUITABLE -12465	198+00.00 SUITABLE					
Subsoil Exc 0.00 0 1.00 Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 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 Subsoil Exc 0.00 0 0 1.00 Fill 49.04 86 86 1.00 -12465	Common Exc	247.57	506	506	1.00	
Fill 3.69 6 6 1.00 -12244 PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 67.42 135 135 1.00 -12379 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 49.04 86 86 1.00 -12465	Subgrade Exc	0.00	0	0	1.00	
PAVESTRUCTURE Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 67.42 135 135 1.00 -12379 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 49.04 86 86 1.00 -12465	Subsoil 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 Fill 67.42 135 135 1.00 -12379 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 49.04 86 86 1.00 -12465	Fill	3.69	6	6	1.00	-12244
Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 67.42 135 135 1.00 -12379 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 49.04 86 86 1.00 -12465	PAVESTRUCTURE					
Subsoil Exc 0.00 0 0 1.00 Fill 67.42 135 135 1.00 -12379 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 49.04 86 86 1.00 -12465	Common Exc	0.00	0	0	1.00	
Fill 67.42 135 135 1.00 -12379 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 49.04 86 86 1.00 -12465			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 49.04 86 86 1.00 -12465	Subsoil 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 Fill 49.04 86 86 1.00 -12465	Fill	67.42	135	135	1.00	-12379
Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 49.04 86 86 1.00 -12465	SHOULDERBORROW					
Subsoil Exc 0.00 0 0 1.00 Fill 49.04 86 86 1.00 -12465			0	0	1.00	
Fill 49.04 86 86 1.00 -12465 198+50.00 SUITABLE			0	_		
198+50.00 SUITABLE						
	Fill	49.04	86	86	1.00	-12465
	198+50.00 SUITABLE					
		206.95	421	421	1.00	

Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Fill PAVESTRUCTURE	1.76	5	5	1.00	-12049
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	56.66	115	115	1.00	-12164
SHOULDERBORROW	0.00	0	٥	1 00	
Common Exc	0.00 0.00	0	0	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc Fill	0.00 53.62	0	0 95	1.00 1.00	-12259
FIII	33.02	95	95	1.00	-12239
199+00.00 SUITABLE					
Common Exc	190.06	368	368	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.62	4	4	1.00	-11895
PAVESTRUCTURE Common Exc	0.00	0	۵	1 00	
Subgrade Exc	0.00 0.00	0	0 0	1.00 1.00	
Subsoil Exc	0.00	0 0	0	1.00	
Fill	46.44	95	95	1.00	-11990
SHOULDERBORROW	40.44	95	93	1.00	-11990
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	58.94	104	104	1.00	-12094
				_,,,	
199+50.00 SUITABLE	220 47	200	200	1 00	
Common Exc	220.47	380	380	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	11720
Fill PAVESTRUCTURE	4.17	6	6	1.00	-11720
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	42.05	82	82	1.00	-11802
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	60.91	111	111	1.00	-11913
200+00.00 SUITABLE					
Common Exc	396.28	571	571	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

Fill	3.42	7	7	1.00	-11349
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	38.97	75	75	1.00	-11424
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	60.91	113	113	1.00	-11537
200+50.00 SUITABLE					
Common Exc	474.32	806	806	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.10	7	7	1.00	-10738
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	36.12	70	70	1.00	-10808
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	60.91	113	113	1.00	-10921
201.00.00.5UTTABLE					
201+00.00 SUITABLE	FOF 06	001	001	1 00	
Common Exc	585.06	981	981	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	0044
Fill	0.57	4	4	1.00	-9944
PAVESTRUCTURE	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	10010
Fill	35.14	66	66	1.00	-10010
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	10100
Fill	60.91	113	113	1.00	-10123
201+50.00 SUITABLE					
Common Exc	511.89	1016	1016	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.78	1	1	1.00	-9108
PAVESTRUCTURE	0.70	-	•		2200
TAVESTRUCTURE					

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	41.08	71	71	1.00	-9179
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	38.69	92	92	1.00	-9271
202+00.00 SUITABLE					
Common Exc	338.13	787	787	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.18	2	2	1.00	-8486
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	38.78	74	74	1.00	-8560
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	20.07	54	54	1.00	-8614
202+50.00 SUITABLE					
Common Exc	236.04	532	532	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	1.10	2	2	1.00	-8084
PAVESTRUCTURE	1.10	-	_	1.00	0001
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	37.56	71	71	1.00	-8155
SHOULDERBORROW	37.50	· -	, -	2.00	0233
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	20.08	37	37	1.00	-8192
203+00.00 SUITABLE					
Common Exc	99.33	311	311	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	-7883
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

Subs	soil Exc Fill	0.00 34.54	0 67	0 67	1.00 1.00	-7950
SHOULDE	ERBORROW	31.31	0,	0,	1.00	,,,,,
Cor	mmon Exc	0.00	0	0	1.00	
Subgr	rade Exc	0.00	0	0	1.00	
Subs	soil Exc	0.00	0	0	1.00	
	Fill	21.16	38	38	1.00	-7988
203+50.00 SUITABI	LE					
Cor	mmon Exc	35.16	125	125	1.00	
Subgr	rade Exc	0.00	0	0	1.00	
Subs	soil Exc	0.00	0	0	1.00	
	Fill	1.03	2	2	1.00	-7865
PAVEST	RUCTURE					
	mmon Exc	0.00	0	0	1.00	
_	rade Exc	0.00	0	0	1.00	
Subs	soil Exc	0.00	0	0	1.00	
	Fill	31.58	61	61	1.00	-7926
	ERBORROW		_	_		
	mmon Exc	0.00	0	0	1.00	
	rade Exc	0.00	0	0	1.00	
Subs	soil Exc	0.00	0	0	1.00	
	Fill	16.79	35	35	1.00	-7961
204+00.00 SUITABI	LE					
	mmon Exc	32.21	62	62	1.00	
	rade Exc	0.00	0	0	1.00	
Subs	soil Exc	0.00	0	0	1.00	
DAVECTI	Fill RUCTURE	1.47	2	2	1.00	-7901
	nmon Exc	0.00	0	0	1.00	
	rade Exc	0.00	0	0	1.00	
•	soil Exc	0.00	0	0	1.00	
Sub.	Fill	29.63	57	57	1.00	-7958
SHOUL DE	ERBORROW	23.03	3,	37	1.00	7330
	nmon Exc	0.00	0	0	1.00	
	rade Exc	0.00	0	0	1.00	
	soil Exc	0.00	0	0	1.00	
	Fill	16.12	30	30	1.00	-7988
204+50.00 SUITABI	LE					
	mmon Exc	30.77	58	58	1.00	
	rade Exc	0.00	0	0	1.00	
•	soil Exc	0.00	0	0	1.00	
	Fill	0.00	1	1	1.00	-7931
PAVEST	RUCTURE					
Cor	mmon Exc	0.00	0	0	1.00	
Subgr	rade Exc	0.00	0	0	1.00	
Subs	soil Exc	0.00	0	0	1.00	
	Fill	25.99	52	52	1.00	-7983

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	4.86	19	19	1.00	-8002
205+00.00 SUITABLE					
Common Exc	26.96	53	53	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	-7949
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.69	49	49	1.00	-7998
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	11	11	1.00	-8009
205.50 00 CUTTABLE					
205+50.00 SUITABLE	20 05	F2	F2	1 00	
Common Exc	28.85	52	52	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 0.00	0 0	0 0	1.00 1.00	-7957
PAVESTRUCTURE	0.00	V	Ø	1.00	-/95/
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.99	5 1	51	1.00	-8008
SHOULDERBORROW	2,,,,,,	31	J_	1.00	0000
Common 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	10	10	1.00	-8018
206+00.00 SUITABLE					
Common Exc	15.95	41	41	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.85	4	4	1.00	-7981
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	28.19	52	52	1.00	-8033
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	6.19	9	9	1.00	-8042
206+50.00 SUITABLE					
Common Exc	30.30	43	43	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00		0	1.00	
Subsoil Exc Fill		0 4	4	1.00	9002
PAVESTRUCTURE	0.00	4	4	1.00	-8003
Common Exc	0 00	a	۵	1 00	
	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	0054
Fill SHOULDERBORROW	27.14	51	51	1.00	-8054
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00		0	1.00	
Subsoil Exc		0			
SUDSOIT EXC Fill	0.00	0	0	1.00	9065
FIII	5.69	11	11	1.00	-8065
207+00.00 SUITABLE					
Common Exc	28.81	55	55	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.71	5	5	1.00	-8015
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	25.56	49	49	1.00	-8064
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	8.29	13	13	1.00	-8077
207.F0 00 CUTTADIF					
207+50.00 SUITABLE Common Exc	28.01	53	53	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00			1.00	
Subsoil Exc Fill	0.42	0 6	0 6	1.00	-8030
PAVESTRUCTURE	0.42	0	0	1.00	-0030
Common Exc	0.00	a	۵	1.00	
	0.00	0 0	0 0	1.00	
Subgrade Exc Subsoil Exc					
	0.00	0	0	1.00	9076
Fill SHOULDERBORROW	23.82	46	46	1.00	-8076
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
JUDSUIT EXC	0.00	Ð	v	1.00	

	Fil	.1	10.1	7	1	7	17	7 1.00	-8093	
208+00	0.00 SUITABLE									
200+00	Common	Exc	22.9	а	4	7	47	7 1.00		
	Subgrade		0.0			9	.,			
	Subsoil		0.0			9	6			
	Fil		0.0			9	é		-8046	
	PAVESTRUCTU		0.0		·	•		1.00	0010	
	Common		0.0	а	(9	6	1.00		
	Subgrade		0.0			9	é			
	Subsoil		0.0			9	é			
	Fil		22.1		4		43		-8089	
	SHOULDERBOR		~~, +	,		-	73	1.00	0003	
	Common		0.0	а	(9	e	1.00		
	Subgrade		0.0			9	6			
	Subsoil		0.0			9	6			
	Fil		8.0		1		17		-8106	
•	G R A			мма		, тот			-8100	
Т	Material		3 0			Adjuste		Mult		
	Material	. Ivallie		Volum		Volumes		Factor		
						(cu. yd		ractor		
				(cu.	yu.)	(cu. yu	•)			
	SUITABLE									
		Common	Exc		10487	10	487	1.00		
		Subgrade	Exc		0		0	1.00		
		Subsoil			0		0	1.00		
		Fill			12184	12	184	1.00		
	PAVESTRUCTURE									
		Common	Exc		0		0	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill			4838	4	838	1.00		
	SHOULDERBORROW					_		_,,,		
		Common	Exc		0		0	1.00		
		Subgrade			0		0	1.00		
		Subsoil			0		0	1.00		
		Fill			1571	1	571	1.00		
^				ΙT				T 0 T A	A L S	
				XS Qı	ıan+	VC Our	n+	Add/Sub Qu	iant Add/Ci	ıh
Quant				və Ar	uaiit	va Gng	110	Auu/Sub Qu	iaiit Auu/St	טג
Quant	Matanial	Nama		lln a d-	c+d	۸diust	~ d	Unadiustad	1 ^d=c+	- o d
Mult	Material	ivallie		บแลน	justed	Aujust	eu	Unadjusted	l Adjust	Leu
Mult				\/a]		\/a1a		\/-1	\/- 1	
Faster				Volur	iie	Volume		Volume	Volume	=
Factor	•			(1	٠ ،	/ a	1	۱ نه.
				(cu.	ya.)	(cu. y	a.)	(cu. yd.)	(cu. y	/a.)
	·						-			

SUITABLE

		Common	Exc	10487	10487	0
0	1.00	C. de ama da	E	0	0	0
0	1.00	Subgrade	EXC	0	0	0
		Subsoil	Exc	0	0	0
0	1.00	Fill		12184	12184	0
0	1.00	1 111		12104	12104	ð
	PAVESTRUCTURE					
		Common	Exc	0	0	0
0	1.00	Code and a	5	0	0	2
0	1.00	Subgrade	EXC	0	0	0
U	1.00	Subsoil	Exc	0	0	0
0	1.00				_	-
		Fill		4838	4838	0
0	1.00					
	SHOULDERBORROW		_	•		•
0	1.00	Common	EXC	0	0	0
Ø	1.00	Subgrade	Fxc	0	0	0
0	1.00	Jubgi duc	LXC	· ·	· ·	· ·
		Subsoil	Exc	0	0	0
0	1.00					
_		Fill		1571	1571	0
0	1.00					

```
Input File:
R:\Roadway\CorridorModeling\Earthwork\EW-INP\02-EW-L-MED-17140-20800.inp
Output File: 02-EW-L-MED-17140-20800.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
 1
       5
             5 tolerance = 0.004
 1
       6
 1
       7
             7 \times dgn = HB0003 \cdot rdy \times sc L.dgn
 1
       8
       9
             9 Proposed Finish Grade
 1
 1
      10
            10 soil type = Suitable
            11 fill mult factor = 1.000000
 1
      11
            12 type = line, line_string
 1
      12
            13 lvname = Prop CMT Conc Surface
 1
      13
            14 lvname = Prop CMT Pvmt Surface*
 1
      14
 1
      15
            15 lvname = Prop CMT Slope Grass
            16 lvname = Prop CMT Shear Line
 1
      16
 1
      17
            17 lvname = Scratch_Level_8
 1
      18
            18
 1
      19
            19 Existing Ground Line
 1
            20 soil type = Suitable
      20
 1
            21 type = line, line_string
      21
 1
      22
            22 lvname = Exist XS Ground Line
 1
      23
            23
 1
      24
            24 existing suitable material
 1
      25
            25 soil type = Suitable
 1
      26
            26 fill mult factor = 1.00
            27 type = line, line string
 1
      27
            28 lvname = WEI XS Soil-Suitable
 1
      28
 1
      29
            29
 1
      30
            30 existing suitable material
 1
      31
            31 soil type = Unsuitable
 1
      32
            32 fill mult factor = 1.00
            33 type = line, line_string
 1
      33
            34 lyname = WEI XS Soil-Unsuitable
 1
      34
 1
      35
            35
 1
      36
            36 existing suitable material
            37 soil type = UnsuitableMarginal
 1
      37
 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
 1
      42
            42 existing suitable material
 1
      43
            43 soil type = DDE
 1
      44
            44 fill mult factor = 1.00
 1
            45 type = line, line_string
      45
 1
      46
            46 lvname = WEI XS Soil-DDE
      47
            47
```

```
1
     48
           48 existing suitable material
1
     49
           49 soil type = UnsuitableDDE
1
     50
           50 fill mult factor = 1.00
1
     51
           51 type = line, line_string
           52 lvname = WEI XS Soil-UnsuitableDDE
1
     52
1
     53
1
     54
           54 existing unsuitable material
1
     55
           55 soil type = Undercut
           56 fill mult factor = 1.00
1
     56
1
     57
           57 type = line, line string
           58 lvname = WEI XS Soil-UnsuitableUndercut
1
     58
1
     59
1
     60
           60 Proposed Undercut
           61 common exc only
1
     61
           62 soil type = PaveStructure
1
     62
1
     63
           63 fill mult factor = 1.00
           64 type = line, line string
1
     64
1
     65
           65 lvname = Prop CMT Subgrade Earthwork
1
     66
           66
1
     67
           67 Proposed Undercut
1
     68
           68 common exc only
           69 soil type = ShoulderBorrow
1
     69
1
     70
           70 fill mult factor = 1.00
1
     71
           71 type = line, line_string
1
     72
           72 lvname = Prop XS Subgrade
1
     73
           73
1
     74
           74 Proposed Undercut
     75
1
           75 soil type = Suitable
1
     76
           76 fill mult factor = 1.00
     77
           77 type = line,line_string
1
     78
           78 lvname = WEI XS Fill-Suitable
1
1
     79
           79
1
     80
           80 Proposed Undercut
1
     81
           81 soil type = SelectMaterial
1
     82
           82 fill mult factor = 1.00
           83 type = line, line_string
1
     83
           84 lyname = WEI XS Fill-SelectMaterial
1
     84
     85
           85
1
1
     86
           86 excavation limits
           87 lvname = Prop XS Exc Vertical Line 2
1
     87
1
     88
           88 type = line
     89
           89
1
1
     90
           90 Write Earthwork Shapes
     91
           91 plot param
1
1
     92
           92 lvname = WEI XS Earthwork
1
     93
           93 Stratify Shape Color
1
     94
           94
     95
           95 vertical search distance = 200
1
1
     96
           96 calculate only between excavation limits
     97
           97 End Area Decimal Places = 2
```

```
1
      98
            98
            99 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\02-L-MED-17140-19000.txt
     100
     101
           101 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
voll
           102 column 1 number of decimal place = 0
 1
     102
 1
     103
           103 column 1 total length = 15
     104
 1
           104
           105 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
     105
           106 column 2 number of decimal place = 0
 1
     106
 1
     107
           107 column 2 total length = 15
     108
 1
           109 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
     109
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           110 column 3 number of decimal place = 0
     110
 1
     111
           111 column 3 total length = 15
     112
 1
           112
 1
     113
           113 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
           114 column 4 number of decimal place = 0
 1
     114
 1
     115
           115 column 4 total length = 15
 1
     116
           116
           117 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
 1
     117
           118 column 5 number of decimal place = 0
 1
     118
 1
     119
           119 column 5 total length = 15
 1
     120
           120
           121 column 6 formula = ["SHOULDERBORROW", Fill, end area]
 1
     121
           122 column 6 number of decimal place = 2
 1
     122
 1
     123
           123 column 6 total length = 15
     124
 1
           124
 1
    125
           125 Process Earthwork for Baseline = L
 1
     126
           126 job number = rdy
 1
     127
           127
 1
     128
           128 beg sta = 171+40.00
     129
 1
           129 end sta = 190+00.00
 1
     130
           131 write column base ascii file =
     131
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\02-L-MED-19000-20800.txt
           132
     132
     133
           133 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
voll
           134 column 1 number of decimal place = 0
 1
     134
 1
     135
           135 column 1 total length = 15
 1
     136
           136
           137 column 2 formula = ["SUITABLE", Fill, unadj vol]
     137
 1
           138 column 2 number of decimal place = 0
 1
     138
 1
     139
           139 column 2 total length = 15
     140
           140
```

```
141 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
          142 column 3 number of decimal place = 0
    142
1
1
          143 column 3 total length = 15
    143
    144
1
          144
1
    145
          145 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
          146 column 4 number of decimal place = 0
    146
1
    147
          147 column 4 total length = 15
1
1
    148
          148
    149
          149 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
1
          150 column 5 number of decimal place = 0
1
    150
          151 column 5 total length = 15
1
    151
1
    152
          152
          153 column 6 formula = ["SHOULDERBORROW", Fill, end area]
1
    153
          154 column 6 number of decimal place = 2
1
    154
          155 column 6 total length = 15
1
    155
    156
1
          156
1
    157
          157 Process Earthwork for Baseline = L
          158 job number = rdy
1
    158
1
    159
          159
1
    160
          160 beg sta = 190+00.00
1
    161
          161 \text{ end sta} = 208+00.00
1
    162
          162
1
    163
          163
    164
1
          164
1
    165
          165
1
    166
          166
1
    167
          167
1
    168
          168
          169 END OF FILE
0
      0
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
                                                          Factor Ordinate
Station
                           (sq. ft.) (cu. yd.) (cu. yd.)
171+40.00 SUITABLE
               Common Exc
                              4.63
                                            0
                                                       0
                                                          1.00
                               0.00
                                            0
                                                          1.00
             Subgrade Exc
                                                       0
              Subsoil Exc
                             0.00
                                           0
                                                          1.00
                                           0
                                                                      0
                  Fill
                              0.00
                                                          1.00
           PAVESTRUCTURE
                               0.00
                                           0
                                                      0
                                                          1.00
               Common Exc
             Subgrade Exc
                             0.00
                                                          1.00
                                           0
                                                      0
              Subsoil Exc
                             0.00
                                           0
                                                      0
                                                          1.00
                   Fill
                             4.63
                                           0
                                                          1.00
                                                                      0
```

172+00.00 SUITABLE					
Common Exc	4.63	10	10	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	10
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.63	10	10	1.00	0
172+50.00 SUITABLE					
Common Exc	4.63	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	9
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.63	9	9	1.00	0
173+00.00 SUITABLE					
Common Exc	4.63	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	9
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.63	9	9	1.00	0
173+50.00 SUITABLE					
Common Exc	4.63	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	9
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.63	9	9	1.00	0
174+00.00 SUITABLE					
Common Exc	4.63	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	9
PAVESTRUCTURE					

Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.63	9	9	1.00	0
1111	4.05	9	9	1.00	ð
174+50.00 SUITABLE					
Common Exc	1 62	9	0	1 00	
	4.63		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	9
PAVESTRUCTURE		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.63	9	9	1.00	0
175+00.00 SUITABLE					
Common Exc	7.39	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	11
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.12	10	10	1.00	1
	0.11			2.00	_
175+50.00 SUITABLE					
Common Exc	8.95	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	16
PAVESTRUCTURE	0.00	V	V	1.00	10
	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	9.92	15	15	1.00	1
476 00 00 CUTTABLE					
176+00.00 SUITABLE	5.26	4.3	4.2	4 00	
Common Exc	5.36	13	13	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	14
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.99	22	22	1.00	-8

Common Exc	4.94	10	10	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
PAVESTRUCTURE	0.00	Ū	· ·	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	21.37	33	33	1.00	-31
LIII	21.37	33	33	1.00	-31
177+00.00 SUITABLE					
Common Exc	5.16	9	9	1.00	
Subgrade Exc	0.00	ø	9	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-22
PAVESTRUCTURE	0.00	Ū	U	1.00	-22
	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	63
Fill	22.22	40	40	1.00	-62
177+50.00 SUITABLE					
Common Exc	5.28	10	10	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	-52
PAVESTRUCTURE	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	20.97	40	40	1.00	-92
178+00.00 SUITABLE					
Common Exc	5.31	10	10	1.00	
	0.00	0	0	1.00	
Subgrade Exc Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-82
PAVESTRUCTURE	0.00	V	V	1.00	-02
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0		1.00	
			0		
Subsoil Exc	0.00	0	0	1.00	122
Fill	22.29	40	40	1.00	-122
178+50.00 SUITABLE					
Common Exc	5.65	10	10	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-112
PAVESTRUCTURE	0.00	Ü	U	1.00	112
	0 00	ρ	Ω	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 42	1.00	155
FIII	23.76	43	43	1.00	-155
179+00.00 SUITABLE					
Common Exc	5.80	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	-144
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	25.64	46	46	1.00	-190
179+50.00 SUITABLE					
Common Exc	6.46	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	-179
PAVESTRUCTURE	0.00	O	O	1.00	1/3
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.03	49	49	1.00	-228
100.00 00 CUTTARIE					
180+00.00 SUITABLE Common Exc	5.53	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	-217
PAVESTRUCTURE	0.00	O	O	1.00	-217
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.61	44	44	1.00	-261
180+50.00 SUITABLE		4.0	4.0	4 00	
Common Exc	5.54	10	10	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	254
Fill	0.00	0	0	1.00	-251
PAVESTRUCTURE Common Exc	0 00	a	Ω	1 00	
Common Exc Subgrade Exc	0.00 0.00	0	0	1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0	0 0	1.00	
Subsoil Exc Fill	22.41	0 40	40	1.00	-291
LIII	22. 4 1	40	40	1.00	- 271
181+00.00 SUITABLE					
Common Exc	5.60	10	10	1.00	

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-281
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.96	44	44	1.00	-325
181+50.00 SUITABLE					
Common Exc	7.19	12	12	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-313
PAVESTRUCTURE		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	30.59	51	51	1.00	-364
182+00.00 SUITABLE					
Common Exc	13.10	19	19	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-345
PAVESTRUCTURE	0.00	· ·	ŭ		3.3
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	42.37	68	68	1.00	-413
182+50.00 SUITABLE					
Common Exc	10.99	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	-391
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	44.17	80	80	1.00	-471
183+00.00 SUITABLE					
Common Exc	9.69	19	19	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00		0	1.00	
Subsoil Exc Fill	1.04	0 1	1	1.00	-453
PAVESTRUCTURE	1.04	1		1.00	-433
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Jubbi due Exc	0.00	O	U	1.00	

Cubasil Fus	0.00	0	0	1 00	
Subsoil Exc Fill	0.00	0	0 87	1.00 1.00	F 4 0
FIII	49.89	87	0/	1.00	-540
183+50.00 SUITABLE					
Common Exc	11.66	20	20	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	5.22	6	6	1.00	-526
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	57.06	99	99	1.00	-625
184+00.00 SUITABLE					
Common Exc	12.80	23	23	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9.14	13	13	1.00	-615
PAVESTRUCTURE	J. 14	13	13	1.00	013
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	61.31	110	110	1.00	-725
184+50.00 SUITABLE					
Common Exc	13.32	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.02	8	8	1.00	-709
PAVESTRUCTURE				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	000
Fill	46.13	99	99	1.00	-808
185+00.00 SUITABLE					
Common Exc	12.94	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.57	1	1	1.00	-785
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	49.83	89	89	1.00	-874
185+50.00 SUITABLE					
Common Exc	10.65	22	22	1.00	
Subgrade Exc	0.00	0	0	1.00	
Judgi duc Exc	0.00	J	U	1.00	

Subsoil Exc Fill	0.00 0.00	0 1	0 1	1.00 1.00	-853
PAVESTRUCTURE Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	58.98	101	101	1.00	-954
1111	30.30	101	101	1.00	- 754
186+00.00 SUITABLE					
Common Exc	7.45	17	17	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-937
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	37.75	90	90	1.00	-1027
186+50.00 SUITABLE					
Common Exc	5.54	12	12	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	1.22	1	1	1.00	-1016
PAVESTRUCTURE		_	_	2.00	2020
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	38.95	71	71	1.00	-1087
187+00.00 SUITABLE	2 74	0	0	1 00	
Common Exc	2.74	8	8	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	1001
Fill PAVESTRUCTURE	0.65	2	2	1.00	-1081
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	33.10	67	67	1.00	-1148
187+50.00 SUITABLE	2.4-	_	_	4 00	
Common Exc	2.15	5	5	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.28	2	2	1.00	-1145
PAVESTRUCTURE	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	29.31	58	58	1.00	-1203
188+00.00 SUITABLE					
Common Exc	2.06	4	4	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	1.09	2	2	1.00	-1201
PAVESTRUCTURE	2.03	_	_	2.00	1201
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.50	50	50	1.00	-1251
188+50.00 SUITABLE					
Common Exc	0.45	2	2	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	3.67	4	4	1.00	-1253
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.50	45	45	1.00	-1298
189+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	19.79	22	22	1.00	-1320
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.32	41	41	1.00	-1361
189+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	41.75	57	57	1.00	-1418
PAVESTRUCTURE					
Common 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	22	22	1.00	-1440
190+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	

		Fi] PAVESTRUCTU		65.1	1	192	2 19	2 1.00	-1632
		Common		0.0	а	e	7	0 1.00	
		Subgrade		0.0		e		0 1.00	
		Subsoil		0.0		e		0 1.00	
		Fil		19.4		22		2 1.00	-1654
^						RY			
		Material	l Name				Adjusted		
								Factor	
					(cu.	yu.) 	(cu. yd.)		
		SUITABLE	C a mm a ra	F.v.a		420	420	1 00	
			Common Subgrade			429 0	429 0		
			Subsoil			0	0		
			Fill			312	312		
		PAVESTRUCTURE							
			Common			0	0		
			Subgrade			0	0		
			Subsoil Fill			0 1771	1771		
•					тт	1771 S II	1771 M M A R Y		ΔΙς
•			,		- '	5 0		101	A L J
					XS Q	uant	XS Quant	Add/Sub Q	uant Add/Sub
Qua	int								
N	lult	Material	Name		Unad	justed	Adjusted	Unadjuste	d Adjusted
ľ	iuic				Volu	me	Volume	Volume	Volume
F	acto	r							
					(cu.	yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
		SUITABLE							
			Common	Exc		429	429		0
0	1.0	9	C. da ana a dia	F		0	0		0
0	1.0	9	Subgrade	EXC		0	0		0
Ü	1.0		Subsoil	Exc		0	0)	0
0	1.0	9							
			Fill			312	312		0
0	1.0								
		PAVESTRUCTURE	Common	Fvc		0	0	1	0
0	1.0	9	Common	LXC		Ð	e	,	U
-	_,,		Subgrade	Exc		0	0		0
0	1.0	9	_						
_		•	Subsoil	Exc		0	0		0
0	1.0	d	F211			1771	1771		0
			Fill			1771	1771		0

0 1.00

Ø ↑	1.00 B A L A N C E	P	OINT	SUMMA	R Y	
Muli	Material Name		Cumula	tive	Increme	ental
MUI	•		Unadjusted	Adjusted	Unadjusted	Adjusted
Fact	cor				Volumes (cu. yd.)	
St	ation = 172+00.00 SUITABLE					
1.00	Common	Exc	10	10	10	10
	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00) Fill		0	0	0	0
1.00						•
	UNSUITABLE Common	Exc	0	0	0	0
1.00) Subgrade	Exc	0	0	0	0
1.00						
1.00		EXC	0	0	0	0
1.00	Fill		0	0	0	0
	UNSUITABLEMARGINAL Common	<u> - ۲</u>	0	0	0	0
1.00		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) DDE					
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			Ü	O	Ū	J
	UNSUITABLEDDE Common	Exc	0	0	0	0
1.00						

	Subgrad	e Exc	0	0	0	0
1.00	Subsoi	l Exc	0	0	0	0
1.00	Fil	1	0	0	0	0
1.00	UNDERCUT					
1 00	Commo	n Exc	0	0	0	0
1.00	Subgrad	e Exc	0	0	0	0
1.00	Subsoi	l Exc	0	0	0	0
1.00	Fil	1	0	0	0	0
1.00	PAVESTRUCTURE					
1 00	Commo	n Exc	0	0	0	0
1.00	Subgrad	e Exc	0	0	0	0
1.00	Subsoi	l Exc	0	0	0	0
1.00	Fil	1	10	10	10	10
1.00	SHOULDERBORROW					-
1 00		n Exc	0	0	0	0
1.00	Subgrad	e Exc	0	0	0	0
1.00	Subsoi	l Exc	0	0	0	0
1.00	Fil	1	0	0	0	0
1.00	SELECTMATERIAL					
1 00	Commo	n Exc	0	0	0	0
1.00	Subgrad	e Exc	0	0	0	0
1.00	Subsoi	l Exc	0	0	0	0
1.00	Fil	1	0	0	0	0
1.00 Stati	on = 172+50.00					
Stati	SUITABLE	. F	10	10	0	0
1.00		n Exc	19	19	9	9
1.00	Subgrad	e Exc	0	0	0	0
1.00	Subsoi	l Exc	0	0	0	0
*						

1 00	Fill		0	0	0	0
1.00	UNSUITABLE	_				•
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			Ø	Ø	Ø	О
	DDE Common	Exc	0	0	0	0
1.00			0	0	0	0
1.00	Subgrade					
1.00	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
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNDERCUT					
1 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						
1.00	Fill		0	0	0	0
	PAVESTRUCTURE Common	Exc	0	0	0	0
1.00	33		-	-	-	-

	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		19	19	9	9
1.00	SHOULDERBORROW				_	,
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	SELECTMATERIAL					
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 Stati	on = 173+00.00					
	SUITABLE Common	Exc	28	28	9	9
1.00	Subgrade		0	0	0	0
1.00	-					
1.00	Subsoil	EXC	0	0	0	0
1.00	Fill		0	0	0	0
	UNSUITABLE Common	Evc	0	0	0	0
1.00						
1.00	Subgrade		0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
	UNSUITABLEMARGINAL	_				
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	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
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNDERCUT					
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	PAVESTRUCTURE					
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		28	28	9	9
1.00	SHOULDERBORROW					
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	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 Stati	on = 173+50.00 SUITABLE					
1.00	Common	Exc	37	37	9	9
	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLE					
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	UNSUITABLEMARGINAL					
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	DDE	_		0		•
1.00	Common		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	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	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
	PAVESTRUCTURE Common	Eve	0	0	0	0
1.00						0
1.00	Subgrade		0	0	0	
1.00	Subsoil		0	0	0	0
1.00	Fill	3	37	37	9	9
	SHOULDERBORROW 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
	SELECTMATERIAL Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil		0	0	0	0
1.00	Fill		0	0	0	0
1.00 Stati	on = 174+00.00 SUITABLE					
1.00	Common	Exc 4	46	46	9	9
	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLE					
	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
_,,,	PAVESTRUCTURE Common	Evc	0	0	0	0
1.00						
1.00	Subgrade		0	0	0	0
1.00	Subsoil	EXC	0	0	0	0

	Fill		46	46	9	9
1.00	SHOULDERBORROW					
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	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 Stati	on = 174+50.00					
Stati	SUITABLE	_				
1.00	Common		55	55	9	9
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
	Fill		0	0	0	0
1.00	UNSUITABLE					
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					
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					
	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	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	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	PAVESTRUCTURE					
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		55	55	9	9
1.00	SHOULDERBORROW					
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	SELECTMATERIAL	_		_	_	_
1.00	Common		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 Stati	on = 175+55.56 SUITABLE					
1.00	Common	Exc	82	82	27	27
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	UNSUITABLE Common	Evc	0	0	0	0
1.00	Subgrade		0	0	0	0
1.00	Subsoil		0	0	0	0
1.00	Fill	LXC	0	0	0	0
1.00	UNSUITABLEMARGINAL					
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
	DDE 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	UNSUITABLEDDE	_	_			
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
	UNDERCUT Common	Exc	0	0	0	0

1.00						
	Subg	rade Exc	0	0	0	0
1.00	Suh	soil Exc	0	0	0	0
1.00	Suc					
1.00		Fill	0	0	0	0
1.00	PAVESTRUCTURE					
1.00	Co	mmon Exc	0	0	0	0
	Subg	rade Exc	0	0	0	0
1.00	Sub	soil Exc	0	0	0	0
1.00						
1.00		Fill	82	82	27	27
	SHOULDERBORROW		2	•	2	0
1.00	Co	mmon Exc	0	0	0	0
1.00	Subg	rade Exc	0	0	0	0
	Sub	soil Exc	0	0	0	0
1.00		Fill	0	0	0	0
1.00			· ·	· ·	· ·	· ·
	SELECTMATERIAL Co	mmon Exc	0	0	0	0
1.00						
1.00	Subg	rade Exc	0	0	0	0
1 00	Sub	soil Exc	0	0	0	0
1.00		Fill	0	0	0	0
1.00	NG EARTHWORKS FOR BAS	FLINE - I				
	NG EARTHWORKS FOR JOB					
	LIST OF XSCELLS NG EARTHWORKS COMPUTA	TTON				
♦	NG EARTHWORKS COMPUTA	TION				
Ctation	Material Name	End Areas	Unadjusted Volumes			
Station		(sq. ft.)	(cu. yd.)		ractor orum	iate
190+0	 0.00 SUITABLE					
1000	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	165.11	0	0	1.00	0
	PAVESTRUCTURE	0.00	^	^	1 00	

0.00

Common Exc

0 0 1.00

Subgrade Exc 0.00 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 19.40 0 0 1.00 0	
Fill 19.40 0 0 1.00 0 190+50.00 SUITABLE Common Exc 2.74 3 3 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 153 153 1.00 -150	0
190+50.00 SUITABLE Common Exc 2.74 3 3 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 153 153 1.00 -150	0
Common Exc 2.74 3 3 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 153 153 1.00 -150	
Common Exc 2.74 3 3 1.00 Subgrade Exc 0.00 0 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 153 153 1.00 -150	
Subgrade Exc 0.00 0 1.00 Subsoil Exc 0.00 0 0 1.00 Fill 0.00 153 153 1.00 -150	
Subsoil Exc 0.00 0 0 1.00 Fill 0.00 153 153 1.00 -150	
Fill 0.00 153 153 1.00 -150	
	1
Common Exc 0.00 0 1.00	1
Subgrade Exc 0.00 0 1.00	1
Subsoil Exc 0.00 0 0 1.00	1
Fill 24.50 41 41 1.00 -193	
191+00.00 SUITABLE	
Common Exc 4.30 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 -184	4
PAVESTRUCTURE	
Common Exc 0.00 0 0 1.00 Subgrade Exc 0.00 0 0 1.00	
Subsoil Exc	0
FIII 25.42 44 44 1.00 -220	2
191+50.00 SUITABLE	
Common Exc 6.62 10 10 1.00	
Subgrade Exc 0.00 0 1.00	
Subsoil Exc 0.00 0 0 1.00	
Fill 0.00 0 0 1.00 -218	8
PAVESTRUCTURE	
Common Exc 0.00 0 1.00	
Subgrade Exc 0.00 0 1.00	
Subsoil Exc 0.00 0 1.00	
Fill 32.50 52 52 1.00 -270	9
103.00 00 CUTTABLE	
192+00.00 SUITABLE	
Common Exc 6.93 13 1.00	
Subgrade Exc 0.00 0 1.00 Subsoil Exc 0.00 0 0 1.00	
	7
Fill 0.00 0 0 1.00 -25 PAVESTRUCTURE	/
Common Exc 0.00 0 0 1.00	
Subgrade Exc 0.00 0 0 1.00	
Subsoil Exc 0.00 0 0 1.00	
Fill 36.40 64 64 1.00 -32	1
1111 30,40 04 04 1,00 -32.	-
192+50.00 SUITABLE	
Common Exc 6.42 12 12 1.00	

Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	-309
PAVESTRUCTURE	0.00	0	0	1.00	- 505
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	38.63	69	69	1.00	-378
193+00.00 SUITABLE					
Common Exc	7.65	13	13	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.56	2	2	1.00	-367
PAVESTRUCTURE	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 52.48	0 84	0 84	1.00 1.00	-451
FIII	32.46	04	04	1.00	-451
193+50.00 SUITABLE					
Common Exc	12.07	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	425
Fill PAVESTRUCTURE	0.02	2	2	1.00	-435
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	46.44	92	92	1.00	-527
194+00.00 SUITABLE					
Common Exc	11.74	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	-505
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	F07
Fill	41.75	82	82	1.00	-587
194+50.00 SUITABLE					
Common Exc	19.31	29	29	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-558
PAVESTRUCTURE	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	58.37	93	93	1.00	-651
, 111	30.37	,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.00	031
105.00 00 CUTTABLE					
195+00.00 SUITABLE					
Common Exc	21.17	37	37	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-614
PAVESTRUCTURE	0.00	Ŭ	Ū	1.00	011
	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	52.88	103	103	1.00	-717
195+50.00 SUITABLE					
Common Exc	19.20	37	37	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-680
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill					771
FIII	45.04	91	91	1.00	-771
196+00.00 SUITABLE					
Common Exc	16.08	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	-738
PAVESTRUCTURE	0.00	O	Ū	1.00	750
	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	40.54	79	79	1.00	-817
196+50.00 SUITABLE					
Common Exc	8.47	23	23	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-794
PAVESTRUCTURE					
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	31.79	67	67	1.00	-861
LIII	31./3	07	67	1.00	-901
407.00.00.00.5					
197+00.00 SUITABLE					
Common Exc	4.29	12	12	1.00	
Subgrade Exc	0.00	0	0	1.00	
-					

Subsoil Exc Fill PAVESTRUCTURE	0.00 0.00	0 0	0 0	1.00 1.00	-849
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.64	54	54	1.00	-903
1111	20:04	54	J -1	1.00	505
197+50.00 SUITABLE					
Common Exc	4.54	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	-895
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.66	49	49	1.00	-944
198+00.00 SUITABLE					
Common Exc	3.34	7	7	1.00	
Subgrade Exc	0.00	ø	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	0.00	0	0	1.00	-937
PAVESTRUCTURE	0.00	Ŭ	Ū	1.00	33,
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	14.22	38	38	1.00	-975
198+50.00 SUITABLE					
Common Exc	3.61	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	-969
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	15.29	27	27	1.00	-996
199+00.00 SUITABLE					
Common Exc	3.85	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	-989
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

Fill	17.05	30	30	1.00	-1019
199+50.00 SUITABLE					
Common Exc	3.38	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	-1012
PAVESTRUCTURE					-
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	17.48	32	32	1.00	-1044
200+00.00 SUITABLE					
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	-1038
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.50	34	34	1.00	-1072
200+50.00 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	1066
Fill PAVESTRUCTURE	0.00	0	0	1.00	-1066
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.58	37	37	1.00	-1103
1111	20.30	37	37	1.00	1103
201+00.00 SUITABLE					
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	-1097
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.48	38	38	1.00	-1135
201+50.00 SUITABLE					
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	-1129
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	18.52	36	36	1.00	-1165
1 111	10.52	50	50	1.00	-1105
202.00 00 CUTTARI F					
202+00.00 SUITABLE	2 20	_	_	1 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	-1159
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	15.04	31	31	1.00	-1190
1 111	13.04	31	31	1.00	1100
202+50.00 SUITABLE					
Common Exc	3.66	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4400
Fill	0.00	0	0	1.00	-1183
PAVESTRUCTURE					
Common 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	25	25	1.00	-1208
203+00.00 SUITABLE					
Common Exc	4.40	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	-1201
	0.00	O	0	1.00	-1201
PAVESTRUCTURE	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	9.67	20	20	1.00	-1221
203+50.00 SUITABLE					
Common Exc	4.66	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	-1213
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	9.31	18		1.00	-1231
LIII	J. J⊥	10	18	1.00	-1231

204+00.00	SUITABLE					
	Common Exc	4.95	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	-1222
	PAVESTRUCTURE					
	Common 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	-1239
204+50.00	SUITABLE					
	Common Exc	9.08	13	13	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-1226
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	7.21	15	15	1.00	-1241
205+00.00	SUITABLE					
	Common Exc	4.87	13	13	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	-1228
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4.88	11	11	1.00	-1239
205+50.00	SUITABLE					
	Common Exc	4.87	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	-1230
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	4.87	9	9	1.00	-1239
206+00.00	SUITABLE					
	Common Exc	4.87	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	-1230

	PAVESTRUCTURE						
	Common Exc	0.00	0	0	1.00		
	Subgrade Exc	0.00	0	0	1.00		
	Subsoil Exc	0.00	0	0	1.00		
	Fill	4.87	9	9	1.00	-1239	
	LIII	4.07	9	9	1.00	-1239	
206+50	00 SUITABLE						
200.50.	Common Exc	4.87	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	-1230	
	PAVESTRUCTURE						
	Common Exc	0.00	0	0	1.00		
	Subgrade Exc	0.00	0	0	1.00		
	Subsoil Exc	0.00	0	0	1.00		
	Fill	4.87	9	9	1.00	-1239	
207+00.	00 SUITABLE						
	Common Exc	4.87	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	-1230	
	PAVESTRUCTURE						
	Common Exc	0.00	0	0	1.00		
	Subgrade Exc	0.00	0	0	1.00		
	Subsoil Exc	0.00	0	0	1.00		
	Fill	4.87	9	9	1.00	-1239	
207+50.	00 SUITABLE	4 07	•	•	4 00		
	Common Exc	4.87	9	9	1.00		
	Subgrade Exc	0.00	0	0	1.00		
	Subsoil Exc	0.00	0	0	1.00	1220	
	Fill	0.00	0	0	1.00	-1230	
	PAVESTRUCTURE	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		
	Fill	4.87	9	9	1.00	-1239	
	1111	4.07	9	9	1.00	-1239	
208+00	00 SUITABLE						
200.00.	Common Exc	4.87	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	-1230	
	PAVESTRUCTURE		-				
	Common Exc	0.00	0	0	1.00		
	Subgrade Exc	0.00	0	0	1.00		
	Subsoil Exc	0.00	0	0	1.00		
	Fill	4.86	9	9	1.00	-1239	
N	GRAND	SUMMARY		T O T A L			

		Material	Name		Unadjusted Volumes (cu. yd.)	Volumes	Mult Factor	
		SUITABLE						
			Common Subgrade Subsoil	Exc	445 0 0	445 0 0	1.00 1.00	
		PAVESTRUCTURE	Fill		157	157	1.00	
PAVESTRUCTURE		TAVESTRUCTURE	Common Subgrade Subsoil Fill S	Exc Exc	0 0 0 1527 I T S U	0 0 0 1527 M M A R Y	1.00 1.00 1.00	S
					XS Quant	XS Ouant	Add/Sub Quant	: Add/Sub
Qua M	nt Wlt	Material	Name		Unadjusted		Unadjusted	Adjusted
					Volume	Volume	Volume	Volume
F	actor				(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
		SUITABLE						
			Common	Exc	445	445	6)
0	1.00		Subgrade	Exc	0	0	e)
0	1.00		Subsoil	Exc	0	0	e)
0	1.00		Fill		157	157	e)
0	1.00	PAVESTRUCTURE						
0	1.00		Common	Exc	0	0	e)
			Subgrade	Exc	0	0	6)
0	1.00		Subsoil	Exc	0	0	e)
0	1.00		Fill		1527	1527	e)

```
Input File: R:\Roadway\CorridorModeling\Earthwork\EW-INP\03-EW-L-LT-17140-20800.inp
Output File: 03-EW-L-LT-17140-20800.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 = HB0003_rdy_xsc_L.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
            38 fill mult factor = 1.00
 1
      38
 1
      39
            39 type = line, line_string
 1
      40
            40 lvname = WEI XS Soil-UnsuitableMarginal
 1
      41
            41
      42
            42 existing suitable material
 1
 1
            43 soil type = DDE
      43
 1
      44
            44 fill mult factor = 1.00
 1
      45
            45 type = line, line_string
 1
            46 lvname = WEI XS Soil-DDE
      46
 1
      47
            47
      48
            48 existing suitable material
```

```
1
     49
           49 soil type = UnsuitableDDE
1
           50 fill mult factor = 1.00
     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
     59
1
           59
           60 Proposed Undercut
1
     60
1
     61
           61 common exc only
           62 soil type = PaveStructure
1
     62
           63 fill mult factor = 1.00
1
     63
1
     64
           64 type = line, line string
           65 lvname = Prop CMT Subgrade Earthwork
1
     65
1
     66
           66
           67 Proposed Undercut
1
     67
1
     68
           68 common exc only
           69 soil type = ShoulderBorrow
1
     69
           70 fill mult factor = 1.00
1
     70
1
           71 type = line, line string
     71
1
     72
           72 lvname = Prop XS Subgrade
1
     73
           73
           74 Proposed Undercut
1
     74
1
     75
           75 soil type = Suitable
           76 fill mult factor = 1.00
1
     76
1
     77
           77 type = line, line_string
     78
           78 lvname = WEI XS Fill-Suitable
1
     79
1
           79
1
     80
           80 Proposed Undercut
1
     81
           81 soil type = SelectMaterial
1
     82
           82 fill mult factor = 1.00
1
     83
           83 type = line, line string
           84 lvname = WEI XS Fill-SelectMaterial
1
     84
1
     85
           86 excavation limits
1
     86
1
     87
           87 lvname = Prop XS Exc Vertical Line 3
1
     88
           88 type = line
1
     89
           89
     90
           90 Write Earthwork Shapes
1
           91 plot param
1
     91
1
     92
           92 lvname = WEI XS Earthwork
1
     93
           93 Stratify Shape Color
1
     94
           94
1
     95
           95 vertical search distance = 200
           96 calculate only between excavation limits
1
     96
           97 End Area Decimal Places = 2
1
     97
     98
           98
```

```
99 write column base ascii file =
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\03-L-LT-17140-19000.txt
     100
           101 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     101
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
 1
     102
           102 column 1 number of decimal place = 0
 1
     103
           103 column 1 total length = 15
 1
     104
           104
     105
           105 column 2 formula = ["SUITABLE", Fill, unadj vol]
 1
           106 column 2 number of decimal place = 0
 1
     106
           107 column 2 total length = 15
 1
     107
 1
     108
           108
     109
           109 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
 1
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
           110 column 3 number of decimal place = 0
 1
     110
 1
     111
           111 column 3 total length = 15
 1
     112
           112
           113 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
 1
     113
 1
     114
           114 column 4 number of decimal place = 0
           115 column 4 total length = 15
 1
     115
 1
     116
           116
 1
           117 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
     117
           118 column 5 number of decimal place = 0
 1
     118
 1
     119
           119 column 5 total length = 15
 1
     120
           120
 1
     121
           121 column 6 formula = ["SHOULDERBORROW", Fill, end area]
           122 column 6 number of decimal place = 2
 1
     122
 1
     123
           123 column 6 total length = 15
 1
     124
           124
     125
 1
           125 Process Earthwork for Baseline = L
 1
     126
           126 job number = rdy
 1
     127
           127
 1
     128
           128 beg sta = 171+40.00
 1
     129
           129 \text{ end sta} = 190+00.00
     130
 1
           130
     131
           131 write column base ascii file =
 1
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\03-L-LT-19000-20800.txt
     132
           132
 1
           133 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
 1
     133
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
           134 column 1 number of decimal place = 0
 1
     134
     135
           135 column 1 total length = 15
 1
     136
 1
           136
 1
     137
           137 column 2 formula = ["SUITABLE", Fill, unadj vol]
           138 column 2 number of decimal place = 0
 1
     138
           139 column 2 total length = 15
 1
     139
 1
     140
     141
           141 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
```

```
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
          142 column 3 number of decimal place = 0
1
    142
1
    143
          143 column 3 total length = 15
    144
1
          144
    145
          145 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
1
          146 column 4 number of decimal place = 0
1
    146
    147
          147 column 4 total length = 15
1
1
    148
1
    149
          149 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
          150 column 5 number of decimal place = 0
    150
1
          151 column 5 total length = 15
1
    151
    152
1
          152
1
    153
          153 column 6 formula = ["SHOULDERBORROW", Fill, end area]
          154 column 6 number of decimal place = 2
1
    154
          155 column 6 total length = 15
1
    155
1
    156
    157
          157 Process Earthwork for Baseline = L
1
1
    158
          158 job number = rdy
1
    159
          159
1
    160
          160 beg sta = 190+00.00
1
    161
          161 \text{ end sta} = 208+00.00
1
    162
          162
1
    163
          163
1
    164
          164
1
    165
          165
1
    166
          166
1
    167
          167
1
    168
          168
1
    169
          169
    170
          170
1
          171 END OF FILE
      0
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
                                                          Factor Ordinate
Station
                           (sq. ft.) (cu. yd.) (cu. yd.)
171+40.00 SUITABLE
              Common Exc
                              20.00
                                                          1.00
                                          0
                                          0
             Subgrade Exc
                             0.00
                                                          1.00
              Subsoil Exc
                             0.00
                                          0
                                                          1.00
                  Fill
                              0.00
                                           0
                                                      0
                                                          1.00
                                                                     0
           PAVESTRUCTURE
                             0.00
                                          0
                                                          1.00
              Common Exc
                                                      0
                             0.00
                                          0
             Subgrade Exc
                                                      0
                                                          1.00
              Subsoil Exc
                             0.00
                                          0
                                                          1.00
                  Fill
                              24.31
                                                          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	4.49	0	0	1.00	0
172+00.00 SUITABLE					
Common Exc	22.39	47	47	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	47
PAVESTRUCTURE		-			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.60	54	54	1.00	-7
SHOULDERBORROW	24.00	34	J 4	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	3.84	9	9	1.00	-16
, 111	3.01			1.00	10
172+50.00 SUITABLE					
Common Exc	21.37	41	41	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	25
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.62	46	46	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	3.42	7	7	1.00	-28
	3.12	,	,	1.00	20
173+00.00 SUITABLE					
Common Exc	24.20	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	14
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.16	45	45	1.00	-31
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	3.96	7	7	1.00	-38
173+50.00 SUITABLE					
Common Exc	23.03	44	44	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6
PAVESTRUCTURE	0.00	0	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	24.12	45	45	1.00	-39
SHOULDERBORROW	24.12	45	40	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	
Subsoil Exc Fill	3.42	7	7	1.00	-46
FIII	3.42	,	,	1.00	-40
174+00.00 SUITABLE					
Common Exc	24.76	44	44	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-2
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.45	44	44	1.00	-46
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	4.83	8	8	1.00	-54
174+50.00 SUITABLE					
Common Exc	129.73	143	143	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	89
PAVESTRUCTURE	3133	· ·	•	_,,,	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	23.48	43	43	1.00	46
SHOULDERBORROW	23.40	73	- -5	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	6.62	11	11	1.00	35
175+00.00 SUITABLE					
Common Exc	278.03	378	378	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	413
PAVESTRUCTURE	0.00	Ū	Ü	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	25.46	45	45	1.00	368
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	20.71	25	25	1.00	343
175+50.00 SUITABLE					
Common Exc	49.78	304	304	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.75	3	3	1.00	644
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	35.09	56	56	1.00	588
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	13.57	32	32	1.00	556
176.00 00 CUTTABLE					
176+00.00 SUITABLE Common Exc	25.19	69	69	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.70	39	39	1.00	586
PAVESTRUCTURE	33.70	33	33	1.00	500
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	37.26	67	67	1.00	519
SHOULDERBORROW	3, .20	Ο,	0,		525
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.31	22	22	1.00	497

176+50.00 SUITABLE					
Common Exc	15.94	38	38	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.97	60	60	1.00	475
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	40.62	72	72	1.00	403
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	7.69	17	17	1.00	386
177+00.00 SUITABLE					
Common Exc	13.28	27	27	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	30.28	51	51	1.00	362
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	42.35	77	77	1.00	285
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	271
177+50.00 SUITABLE					
Common Exc	12.73	24	24	1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	62.09	86	86	1.00	209
PAVESTRUCTURE	0_100			_,,,	
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	41.01	77	77	1.00	132
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	118
	,,		- .		
178+00.00 SUITABLE					
Common Exc	13.91	25	25	1.00	

Subgrade Exc Subsoil Exc Fill	0.00 0.00	0	0	1.00	90
PAVESTRUCTURE	6.35	63	63	1.00	80
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	41.63	77	77	1.00	3
SHOULDERBORROW	41.05	, ,	//	1.00	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	9.84	16	16	1.00	-13
178+50.00 SUITABLE					
Common Exc	13.36	25	25	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	8.48	14	14	1.00	-2
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	44.56	80	80	1.00	-82
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	14.48	23	23	1.00	-105
179+00.00 SUITABLE					
Common Exc	12.97	24	24	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill PAVESTRUCTURE	10.10	17	17	1.00	-98
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	43.71	82	82	1.00	-180
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	18.91	31	31	1.00	-211
179+50.00 SUITABLE					
Common Exc	64.34	72	72	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

	Fill	5.67	15	15	1.00	-154
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	40.47	78	78	1.00	-232
	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	22.49	38	38	1.00	-270
180+00.00	SUITABLE					
	Common Exc	165.06	212	212	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.85	12	12	1.00	-70
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	36.13	71	71	1.00	-141
	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	26.00	45	45	1.00	-186
180+50.00	SUITABLE					
	Common Exc	247.46	382	382	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.26	12	12	1.00	184
	PAVESTRUCTURE					
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	31.14	62	62	1.00	122
	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	29.43	51	51	1.00	71
181+00.00	SUITABLE					
	Common Exc	299.85	507	507	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	6.34	12	12	1.00	566
	PAVESTRUCTURE					

Common Exc Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	51 2
SHOULDERBORROW	27.05	54	54	1.00	512
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	32.77	58	58	1.00	454
181+50.00 SUITABLE					
Common Exc	307.04	562	562	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.21	12	12	1.00	1004
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	25.94	49	49	1.00	955
SHOULDERBORROW	0.00	•	•	4 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	891
FIII	36.03	64	64	1.00	891
182+00.00 SUITABLE					
Common Exc	243.57	510	510	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	1390
PAVESTRUCTURE			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	1242
Fill	24.53	47	47	1.00	1343
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	39.23	70	70	1.00	1273
. ===	55.025	. •	. •	_,,,	
182+50.00 SUITABLE					
Common Exc	124.52	341	341	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.60	10	10	1.00	1604
PAVESTRUCTURE	0.00	2	•	4 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

Subs	oil Exc Fill	0.00 25.48	0 46	0 46	1.00 1.00	1558
SHOULDE		23.40	40	40	1.00	1556
	mon Exc	0.00	0	0	1.00	
	ade Exc	0.00	0	0	1.00	
•	oil Exc	0.00	0	0	1.00	
	Fill	39.23	73	73	1.00	1485
183+00.00 SUITABL						
	mon Exc	61.48	172	172	1.00	
•	ade Exc	0.00	0	0	1.00	
Subs	oil Exc	0.00	0	0	1.00	1652
PAVESTR	Fill	0.00	4	4	1.00	1653
	mon Exc	0.00	0	0	1.00	
	ade Exc	0.00	0	0	1.00	
	oil Exc	0.00	0	0	1.00	
5403	Fill	26.34	48	48	1.00	1605
SHOULDE		20.51	10	10	1.00	1003
	mon Exc	0.00	0	0	1.00	
	ade Exc	0.00	0	0	1.00	
<u> </u>	oil Exc	0.00	0	0	1.00	
	Fill	37.40	71	71	1.00	1534
183+50.00 SUITABL		72 40	424	124	1 00	
	mon Exc	72.18	124	124	1.00	
	ade Exc oil Exc	0.00 0.00	0	0 0	1.00 1.00	
3u05	Fill	4.25	0 4	4	1.00	1654
PAVESTR		4.23	4	4	1.00	1054
	mon Exc	0.00	0	0	1.00	
	ade Exc	0.00	0	0	1.00	
•	oil Exc	0.00	0	0	1.00	
	Fill	25.43	48	48	1.00	1606
SHOULDE	RBORROW					
	mon Exc	0.00	0	0	1.00	
	ade Exc	0.00	0	0	1.00	
Subs	oil Exc	0.00	0	0	1.00	
	Fill	4.65	39	39	1.00	1567
184+00.00 SUITABL	F					
	mon Exc	9.17	75	75	1.00	
	ade Exc	0.00	0	0	1.00	
•	oil Exc	0.00	0	0	1.00	
	Fill	1.73	6	6	1.00	1636
PAVESTR	UCTURE					
Com	mon Exc	0.00	0	0	1.00	
•	ade Exc	0.00	0	0	1.00	
Subs	oil Exc	0.00	0	0	1.00	
	Fill	23.56	45	45	1.00	1591

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	4.65	9	9	1.00	1582
184+50.00 SUITABLE					
Common Exc	100.37	101	101	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	1681
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	22.96	43	43	1.00	1638
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	39.23	41	41	1.00	1597
185+00.00 SUITABLE					
Common Exc	132.98	216	216	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1813
PAVESTRUCTURE		_	_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4770
Fill	21.76	41	41	1.00	1772
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 72	1.00	1,000
Fill	39.23	73	73	1.00	1699
185+50.00 SUITABLE					
Common Exc	156.90	268	268	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	1967
PAVESTRUCTURE	0.00	ŭ	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	22.93	41	41	1.00	1926
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	39.23	73	73	1.00	1853
186+00.00 SUITABLE					
Common Exc	175.67	308	308	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	2161
PAVESTRUCTURE		·			
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	24.06	44	44	1.00	2117
SHOULDERBORROW	24.00			1.00	2117
Common Exc	0.00	0	0	1.00	
	0.00			1.00	
Subgrade Exc		0	0		
Subsoil Exc	0.00	0	0	1.00	2044
Fill	39.23	73	73	1.00	2044
186+50.00 SUITABLE					
Common Exc	187.38	336	336	1.00	
Subgrade Exc	0.00	930	9	1.00	
Subsoil Exc	0.00			1.00	
		0	0		2200
Fill	0.00	0	0	1.00	2380
PAVESTRUCTURE	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	26.55	47	47	1.00	2333
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	39.23	73	73	1.00	2260
187+00.00 SUITABLE					
Common Exc	196.24	355	355	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	2615
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	31.02	53	53	1.00	2562
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	
JUDJUTT LAC	0.00	J	U	1.00	

Fill	39.23	73	73	1.00	2489
187+50.00 SUITABLE					
Common Exc	214.00	380	380	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	2869
PAVESTRUCTURE	0.00	O	O	1.00	2005
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	32.42	59	59	1.00	2810
SHOULDERBORROW	32.42	39	39	1.00	2010
	0 00	0	0	1 00	
Common Exc	0.00	0	0	1.00 1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	2727
Fill	39.23	73	73	1.00	2737
188+00.00 SUITABLE					
Common Exc	232.18	413	413	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	3150
PAVESTRUCTURE	0.00	Ū	· ·	1.00	3130
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	29.56	57	57	1.00	3093
SHOULDERBORROW	29.30	37	57	1.00	2632
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.23	73	73	1.00	3020
LIII	39.23	/5	/5	1.00	3020
188+50.00 SUITABLE					
Common Exc	231.60	429	429	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	3449
PAVESTRUCTURE		· ·		_,,,	22
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	33.62	58	58	1.00	3391
SHOULDERBORROW	33.02	20	50	1.00	JJJ1
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		73	73		2210
LIII	39.23	/3	/3	1.00	3318

	400 00 00	CUTTABLE						
	189+00.00		0.00	214	21.4	1 00		
		Common Exc	0.00	214	214	1.00		
		Subgrade Exc	0.00	0	0	1.00		
		Subsoil Exc Fill	0.00	9	9	1.00	2227	
		PAVESTRUCTURE	221.70	205	205	1.00	3327	
		Common Exc	0.00	a	0	1 00		
			0.00	0	0	1.00		
		Subgrade Exc Subsoil Exc	0.00	0	0	1.00 1.00		
		Fill	51.46	0 79	0 79	1.00	2240	
		SHOULDERBORROW	51.46	79	79	1.00	3248	
		Common Exc	0.00	0	a	1.00		
		Subgrade Exc	0.00	0	0 0	1.00		
		Subsoil Exc	0.00	0	0	1.00		
		Fill	37.71	71	71	1.00	3177	
		1 111	37.71	/ 1	/1	1.00	31//	
	189+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	587.86	750	750	1.00	2427	
		PAVESTRUCTURE						
		Common Exc	0.00	0	0	1.00		
		Subgrade Exc	0.00	0	0	1.00		
		Subsoil Exc	0.00	0	0	1.00		
		Fill	90.93	132	132	1.00	2295	
		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	37.11	69	69	1.00	2226	
	190+00.00	SUTTABLE						
	250.00.00	Common Exc	16.61	15	15	1.00		
		Subgrade Exc	0.00	0	0	1.00		
		Subsoil Exc	0.00	0	0	1.00		
		Fill	755.76	1244	1244	1.00	997	
		PAVESTRUCTURE						
		Common Exc	0.00	0	0	1.00		
		Subgrade Exc	0.00	0	0	1.00		
		Subsoil Exc	0.00	0	0	1.00		
		Fill	75.96	155	155	1.00	842	
		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	39.98	71	71	1.00	771	
^		$G \; R \; A \; N \; D$	S U M M A	ARY T	0 T A L S	5		
		Material Name	Unad	ljusted Adju	usted Mu	ılt		
			Volu	ımes Volu	umes Fa	ictor		

				(cu. yd.)	(cu. yd.)		
	SUITABLE						
		Common	Exc	7267	7267	1.00	
		Subgrade	Exc	0	0	1.00	
		Subsoil	Exc	0	0	1.00	
		Fill		2632	2632	1.00	
	PAVESTRUCTURE						
		Common		0	0		
		Subgrade		0	0		
		Subsoil	Exc	0	0		
		Fill		2267	2267	1.00	
	SHOULDERBORROW	•	_	•		1 00	
		Common		0	0		
		Subgrade		0	0		
		Subsoil	EXC	0	0		
		Fill		1597			c
^		S 1	P L	IT SU	MMARY	TOTAL	S
Qua	nt			XS Quant	XS Quant	Add/Sub Quant	Add/Sub
	Material ult	Name		Unadjusted	Adjusted	Unadjusted	Adjusted
				Volume	Volume	Volume	Volume
F	actor			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
				` ,	` ,	` , ,	` ,
	SUITABLE		_				
_	4 00	Common	Exc	7267	7267	0	
0	1.00		_				
_	4 00	Subgrade	Exc	0	0	0	
0	1.00	6 1 13	_			•	
_	1 00	Subsoil	EXC	0	0	0	
0	1.00	r:11		2622	2622	0	
0	1.00	Fill		2632	2632	0	
0	PAVESTRUCTURE						
	PAVESTRUCTURE	Common	Evc	0	0	0	
a	1.00	Common	EXC	V	Ø	Ø	
0	1.00	Subgrade	Evc	0	0	0	
a	1.00	Subgrade	EXC	V	Ø	Ø	
0	1.00	Subsoil	Evc	0	0	0	
a	1.00	3005011	EXC	V	Ø	Ø	
0	1.00	Fill		2267	2267	0	
0	1.00	LTTT		2267	2207	0	
v	SHOULDERBORROW						
	SHOOLDLINDONNOW	Common	Fyc	0	0	0	
0	1.00	Common	LAC	0	0	0	
U	1.00						

0 1.00	Subgrade 0	Exc	0	0		0
	Subsoil	Exc	0	0		0
0 1.00	Fill		1597	1597		0
0 1.00	9 BALANCE	Р	OINT	SUMMA	R Y	
Mult	Material Name		Cumula	tive	Increme	ental
			Unadjusted	Adjusted	Unadjusted	Adjusted
Factor				Volumes (cu. yd.)		
Statio	on = 174+30.34 SUITABLE					
1.00	Common	Exc	305	305	305	305
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
1.00	UNSUITABLE					
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			Ü	Ü	Ü	Ü
	UNSUITABLEMARGINAL Common	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
1.00	Subsoil		0	0	0	0
1.00		EXC				
1.00	Fill		0	0	0	0
	DDE Common	Fxc	0	0	0	0
1.00						
1.00	Subgrade		0	0	0	0
1.00	Subsoil	Exc	0	0	0	0

1 00		Fill		0	0	0	0
1.00	UNSUITABLEDDE						
1.00		Common		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	C	F	0	0	0	0
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
	PAVESTRUCTURE	Common	Fxc	0	0	0	0
1.00				0	0	0	0
1.00		Subgrade					
1.00		Subsoil	Exc	0	0	0	0
1.00		Fill		260	260	260	260
	SHOULDERBORROW	Common	Exc	0	0	0	0
1.00		Subgrade		0	0	0	0
1.00		Subsoil		0	0	0	0
1.00			LXC				
1.00		Fill		45	45	45	45
	SELECTMATERIAL	Common	Exc	0	0	0	0
1.00		Subgrade	Exc	0	0	0	0
1.00		Subsoil		0	0	0	0
1.00		Fill		0	0	0	0
1.00 Stat:	ion = 177+95.04	1111		Ü	0	0	Ü
	SUITABLE	Common	Eve	1224	1224	919	919

Subgrade	Exc	0	0	0	0
_		0	0	9	0
					296
		250	250	250	230
	Exc	0	0	0	0
Subgrade	Exc	0	0	0	0
Subsoil	Exc	0	0	0	0
Fill		0	0	0	0
UNSUTTABLEMARGTNAL					
	Exc	0	0	0	0
Subgrade	Exc	0	0	0	0
Subsoil	Exc	0	0	0	0
Fill		0	0	0	0
DDE					
Common	Exc	0	0	0	0
Subgrade	Exc	0	0	0	0
Subsoil	Exc	0	0	0	0
Fill		0	0	0	0
UNSUITABLEDDE	_	_	_	_	_
					0
Subgrade	Exc	0	0	0	0
Subsoil	Exc	0	0	0	0
Fill		0	0	0	0
UNDERCUT	Γ _V ς.	0	0	0	0
					0
-					0
Subsoil	Exc	0	0	0	0
	Subsoil Fill UNSUITABLE Common Subgrade Subsoil Fill UNSUITABLEMARGINAL Common Subgrade Subsoil Fill DDE Common Subgrade Subsoil Fill UNSUITABLEDDE Common Subgrade Subsoil Fill UNSUITABLEDDE Common Subgrade Subsoil Fill UNSUITABLEDDE Common Subgrade Subsoil Fill Common Subgrade Subsoil	UNSUITABLE Subgrade Exc Subsoil Exc Fill UNSUITABLEMARGHAL Subgrade Exc Subgrade Exc Subsoil Exc Fill DDE Common Exc Subgrade Exc Subgrade Exc Fill UNSUITABLEDDE Common Exc Subgrade Exc Subsoil Exc Subsoil Exc Subsoil Exc Fill Fill Fill Fill Fill Fill Fill Fil	Subsoil Exc 0	Subsoil Exc 0 0 296	Subsoil Exc 0 0 0 296 29

	Fill		0	0	0	0
1.00	PAVESTRUCTURE					
1.00	Commor	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		740	740	480	480
1.00	SHOULDERBORROW					
1.00	Commor	Exc	0	0	0	0
1.00	Subgrade	Exc	0	0	0	0
	Subsoil	Exc	0	0	0	0
1.00	Fill		187	187	142	142
1.00	SELECTMATERIAL					
1.00	Commor	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 Stati	ion = 180+36.19					
	SUITABLE Commor	Exc	1835	1835	611	611
1.00	Subgrade		0	0	0	0
1.00	_					
1.00	Subsoil		0	0	0	0
1.00	Fill		369	369	73	73
	UNSUITABLE Commor	Fxc	0	0	0	0
1.00						
1.00	Subgrade		0	0	0	0
1.00	Subsoil	Exc	0	0	0	0
1.00	Fill		0	0	0	0
	UNSUITABLEMARGINAL Commor	Evc	0	0	0	0
	Collillor	LAC	v	v	Ø	Ð

1.00		Subgrade	Fvc	0	0	0	0
1.00							
1.00		Subsoil	EXC	0	0	0	0
1.00		Fill		0	0	0	0
	DDE	Common	Exc	0	0	0	0
1.00		Subgrade	Exc	0	0	0	0
1.00		Subsoil		0	0	0	0
1.00		Fill	LXC	0	0	0	0
1.00	INCULTABLE DE	LIII		ð	ð	ð	Ø
	UNSUITABLEDDE	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	OND ENCO!	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	PAVESTRUCTURE						
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		1104	1104	364	364
1.00	SHOULDERBORROW						
1.00		Common		0	0	0	0
1.00		Subgrade	Exc	0	0	0	0
1.00		Subsoil	Exc	0	0	0	0

4 00		Fill	363	363	176	5 176
1.00	SELECTMATERIAL					
		ommon Exc	0	0	6	0
1.00	6.1			•	,	
1.00	Subg	grade Exc	0	0	(0
	Sub	soil Exc	0	0	6	0
1.00		Fill	0	0	6	0
COMPUTING FORMING	G EARTHWORKS FOR BAS G EARTHWORKS FOR JOE LIST OF XSCELLS G EARTHWORKS COMPUTA	B = RDY				
^	Matanial Nama	Ind Ange	Unadiustad	Adiustad	M1 +	Macc
Station	Material Name	End Areas	Unadjusted Volumes		Mult Factor	Mass Ordinate
Scacion		(sq. ft.)	(cu. yd.)		1 40 001	or diffice
190+00	.00 SUITABLE	46.64		•	1 00	
	Common Exc	16.61	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	0
	Fill PAVESTRUCTURE	755.76	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	75.96	0	0	1.00	0
	SHOULDERBORROW	73.50	0	0	1.00	O
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	ø	1.00	
	Fill	39.98	0	0	1.00	0
190+50	.00 SUITABLE					
	Common Exc	184.69	186	186	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	700	700	1.00	-514
	PAVESTRUCTURE	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	110	1.00	633
	Fill	51.46	118	118	1.00	-632
	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	
	JUDSOII LXC	0.00	U	U	1.00	

Fill	38.36	73	73	1.00	-705
191+00.00 SUITABLE					
Common Exc	108.15	271	271	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-434
PAVESTRUCTURE	0.00	· ·	ŭ	1.00	131
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	29.18	75	75	1.00	-509
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	34.66	68	68	1.00	-577
191+50.00 SUITABLE					
Common Exc	100.00	193	193	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-384
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	29.27	54	54	1.00	-438
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	400
Fill	31.40	61	61	1.00	-499
192+00.00 SUITABLE					
Common Exc	80.97	168	168	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-331
PAVESTRUCTURE	0.00	· ·	ŭ	2.00	332
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	30.84	56	56	1.00	-387
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	28.51	55	55	1.00	-442

192+50.00 SUITABLE					
Common Exc	63.73	134	134	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-308
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	34.84	61	61	1.00	-369
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	25.92	50	50	1.00	-419
193+00.00 SUITABLE					
Common Exc	96.30	148	148	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-271
PAVESTRUCTURE		-			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.30	69	69	1.00	-340
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	23.60	46	46	1.00	-386
193+50.00 SUITABLE					
Common Exc	39.70	126	126	1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	-260
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	40.43	74	74	1.00	-334
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	21.94	42	42	1.00	-376
194+00.00 SUITABLE					
Common Exc	4.31	41	41	1.00	
Common LXC	7.71	71	-41	1.00	

Subgrade Exc Subsoil Exc Fill	0.00 0.00 12.52	0 0 12	0 0 12	1.00 1.00 1.00	-347
PAVESTRUCTURE	12.52	12	12	1.00	- 547
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	39.53	74	74	1.00	-421
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	4.08	24	24	1.00	-445
194+50.00 SUITABLE					
Common Exc	9.22	13	13	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.04	12	12	1.00	-444
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.74	73	73	1.00	-517
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	21.94	24	24	1.00	-541
195+00.00 SUITABLE					
Common Exc	8.89	17	17	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill PAVESTRUCTURE	0.01	0	0	1.00	-524
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	39.12	73	73	1.00	-597
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	20.46	39	39	1.00	-636
195+50.00 SUITABLE					
Common Exc	8.17	16	16	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

Fill	0.21	0	0	1.00	-620
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	38.86	72	72	1.00	-692
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	19.60	37	37	1.00	-729
196+00.00 SUITABLE					
Common Exc	8.78	16	16	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.29	0	0	1.00	-713
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.17	72	72	1.00	-785
SHOULDERBORROW	33.17	, _	, _	1.00	, 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	
Fill	18.65	35	35	1.00	-820
1111	10.05	33	22	1.00	-020
196+50.00 SUITABLE					
Common Exc	7.01	15	15	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	ø	0	1.00	
Fill	0.63	1	1	1.00	-806
PAVESTRUCTURE	0.05	-	_	1.00	-000
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	37.70	71	71	1.00	-877
SHOULDERBORROW	37.70	/1	/ 1	1.00	-0//
Common Exc	0.00	a	α	1.00	
		0 0	0 0	1.00	
Subgrade Exc	0.00				
Subsoil Exc	0.00	0	0	1.00	010
Fill	17.05	33	33	1.00	-910
197+00.00 SUITABLE					
	F 01	10	12	1 00	
Common Exc	5.91	12	12	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	000
Fill	0.69	1	1	1.00	-899
PAVESTRUCTURE					

Common Exc Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.00 37.86	0 0 0 70	0 0 0 70	1.00 1.00 1.00 1.00	-969
SHOULDERBORROW		-	-		
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	000
FIII	15.11	30	30	1.00	-999
197+50.00 SUITABLE					
Common Exc	5.65	11	11	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.79	1	1	1.00	-989
PAVESTRUCTURE	0.00	•	•	4 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00 0.00	0	0 0	1.00 1.00	
Subsoil Exc Fill	37.46	0 70	70	1.00	-1059
SHOULDERBORROW	37.40	70	70	1.00	-1033
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.63	27	27	1.00	-1086
198+00.00 SUITABLE					
Common Exc	6.01	11	11	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	4.61	5	5	1.00	-1080
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	51.47	82	82	1.00	-1162
SHOULDERBORROW	0.00	•	_	1 00	
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 12.02	0 24	0 24	1.00 1.00	-1186
FIII	12.02	24	24	1.00	-1100
198+50.00 SUITABLE					
Common Exc	4.91	10	10	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.40	14	14	1.00	-1190
PAVESTRUCTURE		_			
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc	0.00	0	0	1.00	1200
Fill SHOULDERBORROW	54.54	98	98	1.00	-1288
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	10.30	21	21	1.00	-1309
199+00.00 SUITABLE					
Common Exc	4.09	8	8	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	14.41	23	23	1.00	-1324
PAVESTRUCTURE	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	105	105	1.00	1420
Fill SHOULDERBORROW	59.15	105	105	1.00	-1429
Common 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	-1446
		_,	_,	_,,,	
199+50.00 SUITABLE					
Common Exc	3.77	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.75	32	32	1.00	-1471
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	4505
Fill	63.62	114	114	1.00	-1585
SHOULDERBORROW	0 00	0	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	
Fill	7.69	15	15	1.00	-1600
1111	7.05	13	13	1.00	-1000
200+00.00 SUITABLE					
Common Exc	3.52	7	7	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	30.64	47	47	1.00	-1640
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	a == ==
Fill	68.35	122	122	1.00	-1762

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	7.69	14	14	1.00	-1776
200+50.00 SUITABLE					
Common Exc	3.31	6	6	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	39.72	65	65	1.00	-1835
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	68.51	127	127	1.00	-1962
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	7.69	14	14	1.00	-1976
201+00.00 SUITABLE					
Common Exc	28.52	29	29	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	37.52	72	72	1.00	-2019
PAVESTRUCTURE		_	_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	24.4
Fill	66.38	125	125	1.00	-2144
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	2450
Fill	7.69	14	14	1.00	-2158
201+50.00 SUITABLE					
Common Exc	41.89	65	65	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	27.41	60	60	1.00	-2153
PAVESTRUCTURE	27.71	00	00	1.00	2133
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	61.46	118	118	1.00	-2271
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	7.96	14	14	1.00	-2285
202+00.00 SUITABLE					
Common Exc	52.87	88	88	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.88	38	38	1.00	-2235
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	55.20	108	108	1.00	-2343
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	8.34	15	15	1.00	-2358
202+50.00 SUITABLE					
Common Exc	138.00	177	177	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	6.74	19	19	1.00	-2200
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	48.75	96	96	1.00	-2296
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	10.57	18	18	1.00	-2314
203+00.00 SUITABLE					
Common Exc	113.90	233	233	1.00	
Subgrade Exc	0.00	233	233	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.04	30	30	1.00	-2111
PAVESTRUCTURE	20.04	50	96	1.00	-2111
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
SUDSOIT EXC Fill	47.42		89		2200
F111 SHOULDERBORROW	4/.42	89	89	1.00	-2200
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
JUDSUIT LXC	0.00	U	Ð	1.00	

Fill	10.79	20	20	1.00	-2220					
203+50.00 SUITABLE										
Common Exc	21.83	126	126	1.00						
Subgrade Exc	0.00	0	0	1.00						
Subsoil Exc	0.00	0	0	1.00						
Fill	35.24	57	57	1.00	-2151					
PAVESTRUCTURE										
Common Exc	0.00	0	0	1.00						
Subgrade Exc	0.00	0	0	1.00						
Subsoil Exc	0.00	0	0	1.00						
Fill	44.58	85	85	1.00	-2236					
	44.58	85	85	1.00	-2230					
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	7.56	17	17	1.00	-2253					
204+00.00 SUITABLE										
Common Exc	30.17	48	48	1.00						
Subgrade Exc	0.00	0	0	1.00						
Subsoil Exc	0.00	0	0	1.00						
Fill	4.89	37	37	1.00	-2242					
PAVESTRUCTURE										
Common Exc	0.00	0	0	1.00						
Subgrade Exc	0.00	0	0	1.00						
Subsoil Exc	0.00	0	0	1.00						
Fill	38.50	77	77	1.00	-2319					
SHOULDERBORROW	30.30	,,	, ,	1.00	-2313					
	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	9.12	15	15	1.00	-2334					
204+50.00 SUITABLE	20.44			4 00						
Common Exc	39.64	65	65	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	-2274					
PAVESTRUCTURE										
Common Exc	0.00	0	0	1.00						
Subgrade Exc	0.00	0	0	1.00						
Subsoil Exc	0.00	0	0	1.00						
Fill	31.16	65	65	1.00	-2339					
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						
Fill	10.37	18	18	1.00	-2357					
1 111	10.5/	10	10	1.00	2331					

205+00.00 SUITABLE					
Common Exc	25.28	60	60	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	46.35	43	43	1.00	-2340
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.34	53	53	1.00	-2393
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	6.53	16	16	1.00	-2409
205+50.00 SUITABLE					
Common Exc	24.14	46	46	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	19.54	61	61	1.00	-2424
PAVESTRUCTURE	23.53.	02	0-	2.00	
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	27.13	50	50	1.00	-2474
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	-2486
206+00.00 SUITABLE					
Common Exc	22.04	43	43	1.00	
Subgrade Exc	0.00	0	0		
Subsoil Exc	0.00	ø	0	1.00	
Fill	15.02	32	32	1.00	-2475
PAVESTRUCTURE	13.02	3 2	32	1.00	2175
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	27.37	50	50	1.00	-2525
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	
Fill	6.57	12	12	1.00	-2537
	-				
206+50.00 SUITABLE	26.12	4-		4 00	
Common Exc	26.13	45	45	1.00	

Subgrade Exc Subsoil Exc Fill	0.00 0.00 0.22	0 0 14	0 0 14	1.00 1.00 1.00	-2506
PAVESTRUCTURE Common Exc Subgrade Exc Subsoil Exc	0.00 0.00 0.00	0 0 0	0 0 0	1.00 1.00 1.00	2556
Fill SHOULDERBORROW	26.98	50	50	1.00	-2556
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	2560
Fill	6.57	12	12	1.00	-2568
207+00.00 SUITABLE					
Common Exc	25.11	47	47	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00	0	0	1.00 1.00	-2521
PAVESTRUCTURE	0.00	0	0	1.00	-2521
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	26.32	49	49	1.00	-2570
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	6.21	12	12	1.00	-2582
207+50.00 SUITABLE					
Common Exc	32.34	53	53	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill PAVESTRUCTURE	0.00	0	0	1.00	-2529
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	24.61	47	47	1.00	-2576
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	6.11	11	11	1.00	-2587
208+00.00 SUITABLE					
Common Exc	27.41	55	55	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

		c:1	1	0.00	2	α .	0 1 00	2522
		Fil PAVESTRUCTU		0.0	o	0	0 1.00	-2532
		Common		0.00	9	0 (0 1.00	
		Subgrade		0.00			0 1.00	
		Subsoil		0.00			0 1.00	
		Fil	.1	22.82	2 4	4 4	4 1.00	-2576
		SHOULDERBOR						
		Common		0.00			0 1.00	
		Subgrade		0.00			0 1.00	
		Subsoil Fil		0.00 5.08			0 1.00 0 1.00	-2586
•					MMARY	TOTA		-2380
T		Material		5 0	Unadjusted		Mult	
					Volumes		Factor	
					(cu. yd.)	(cu. yd.)		
		SUITABLE		_				
			Common		2596			
			Subgrade Subsoil		0			
			Fill		1381	_		
		PAVESTRUCTURE	1 111		1381	1361	1.00	
		TAVESTRUCTURE	Common	Exc	0	0	1.00	
			Subgrade		0			
			Subsoil	Exc	0	0	1.00	
			Fill		2836	2836	1.00	
		SHOULDERBORROW		_	•		4 00	
			Common		0			
			Subgrade Subsoil		0			
			Fill		965			
•				ΡL		MMARY	T 0 T A	LS
			•	_				
					XS Quant	XS Quant	Add/Sub Qua	nt Add/Sub
Qua	nt							
	_	Material	Name		Unadjusted	Adjusted	Unadjusted	Adjusted
М	lult						V 1	
г	acto	•			Volume	Volume	Volume	Volume
Г	acto				(cu. vd.)	(cu. vd.)	(cu. vd.)	(cu. yd.)
					(ca. ya.)	(ca. ya.)	(ca. ya.)	(ca. ya.)
		SUITABLE		_				_
0	1 0	2	Common	EXC	2596	2596		0
0	1.0	0	Subanada	Evc	Ω	0		0
0	1.0	3	Subgrade	EXC	0	9		U
5	1.0	•	Subsoil	Exc	0	0		0
0	1.0	9			·			

0	1.00	Fill		1381	1381	0
	PAVESTRUCTURE	_	_		_	_
0	1.00	Common	Exc	0	0	0
Ü	1.00	Subgrade	Exc	0	0	0
0	1.00	Cubaa:1	F.,,	0	0	0
0	1.00	Subsoil	EXC	0	0	0
		Fill		2836	2836	0
0	1.00 SHOULDERBORROW					
	SHOOLDERDORROW	Common	Exc	0	0	0
0	1.00	Cubanada	- Fye	۵	۵	0
0	1.00	Subgrade	EXC	0	0	0
		Subsoil	Exc	0	0	0
0	1.00	Fill		965	965	0
0	1.00			203	203	· ·

```
Input File: R:\Roadway\CorridorModeling\Earthwork\EW-INP\04-EW-Y1.inp
Output File: 04-EW-Y1.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.005
 1
       6
       7
 1
             7 xs dgn = HB0003_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
            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
 1
            46 lvname = WEI XS Soil-DDE
      46
 1
      47
            47
      48
            48 existing suitable material
```

```
1
      49
            49 soil type = UnsuitableDDE
 1
            50 fill mult factor = 1.00
      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
      59
 1
            60 Proposed Undercut
 1
      60
 1
      61
            61 common exc only
            62 soil type = PaveStructure
 1
      62
            63 fill mult factor = 1.00
 1
      63
 1
      64
            64 type = line, line string
            65 lvname = Prop CMT Subgrade Earthwork
 1
      65
 1
      66
            66 lvname = Exist CMT Pavement
 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 excavation limits
 1
            81 lvname = Prop XS Exc Vertical Line 1
      81
 1
      82
            82 type = line
 1
      83
            83
            84 Write Earthwork Shapes
 1
      84
 1
      85
            85 plot param
            86 lvname = WEI XS Earthwork
 1
      86
 1
      87
            87 Stratify Shape Color
 1
      88
            88
 1
      89
            89 vertical search distance = 200
      90
            90 /*calculate only between excavation limits*/
 1
            91 End Area Decimal Places = 2
 1
      91
 1
      92
            92
      93
            93 write column base ascii file =
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\04-Y1.txt
      94
 1
 1
      95
            95 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
```

```
1
     96
           96 column 1 number of decimal place = 0
           97 column 1 total length = 15
1
     97
1
     98
          98
          99 column 2 formula = ["SUITABLE", Fill, unadj vol]
1
     99
          100 column 2 number of decimal place = 0
1
    100
1
    101
          101 column 2 total length = 15
    102
1
          102
          103 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
    103
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
          104 column 3 number of decimal place = 0
1
    104
          105 column 3 total length = 15
1
    105
    106
1
          106
1
    107
          107 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
          108 column 4 number of decimal place = 0
1
    108
          109 column 4 total length = 15
1
    109
1
    110
          110
          111 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
1
    111
1
    112
          112 column 5 number of decimal place = 0
          113 column 5 total length = 15
1
    113
1
    114
          114
1
    115
          115 Process Earthwork for Baseline = Y1
1
    116
          116 job number = rdy
1
    117
          117
1
    118
          118 beg sta = 10+00.00
          119 end sta = 20+00.00
1
    119
1
    120
          120
1
    121
          121
1
    122
          122
1
    123
          123
1
    124
         124
1
    125
         125
1
    126
         126
1
    127
          127
      0
          128 END OF FILE
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
Station
                                     Volumes Volumes
                                                         Factor Ordinate
                    (sq. ft.) (cu. yd.) (cu. yd.)
10+00.00 SUITABLE
                                         0
0
                                                         1.00
              Common Exc 12.24
                                                     0
             Subgrade Exc
                            0.00
                                                     0 1.00
                                          0
             Subsoil Exc
                            0.00
                                                    0 1.00
                  Fill
                             0.47
                                          0
                                                         1.00
                                                                    0
           PAVESTRUCTURE
              Common Exc 0.00
                                          0
                                                         1.00
```

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	ø	1.00	
Fill	12.14	0	0	1.00	0
10+50.00 SUITABLE					
Common Exc	18.88	29	29	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.72	1	1	1.00	28
PAVESTRUCTURE	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 1.00	1
FIII	13.81	24	24	1.00	4
11+00.00 SUITABLE					
Common Exc	64.56	77	77	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	80
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.81	26	26	1.00	54
11+50.00 SUITABLE					
Common Exc	131.57	182	182	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	236
PAVESTRUCTURE					
Common 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	210
12+00.00 SUITABLE					
Common Exc	312.47	411	411	1.00	
Subgrade Exc	0.00	9	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	621
PAVESTRUCTURE	0.00	Ū	J	1.00	021
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	17.94	29	29	1.00	592
12+50.00 SUITABLE	462.60	74.0	740	1 00	
Common Exc	462.60	718	718	1.00	

	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	1310
	PAVESTRUCTURE		_			
	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	18.45	34	34	1.00	1276
	1 111	10.45	34	54	1.00	1270
12+68.00	SUITABLE					
	Common Exc	221.23	228	228	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	1504
	PAVESTRUCTURE Common Exc	0 00	a	a	1.00	
	Subgrade Exc	0.00 0.00	0	0 0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	46.39	22	22	1.00	1482
		.0.33			2.00	1.01
13+00.00	SUITABLE					
	Common Exc	242.04	275	275	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	1757
	PAVESTRUCTURE	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	48.11	56	56	1.00	1701
	1111	40.11	30	50	1.00	1701
13+50.00	SUITABLE					
	Common Exc	275.62	479	479	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	2180
	PAVESTRUCTURE	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	50.22	91	91	1.00	2089
	1111	30.22	51	71	1.00	2005
14+00.00	SUITABLE					
	Common Exc	317.93	550	550	1.00	
	Subgrade Exc	0.00	0	0	1.00	
	Subsoil Exc	0.00	0	0	1.00	
	Fill	0.00	0	0	1.00	2639
	PAVESTRUCTURE	2.25	-	-	4 00	
	Common Exc	0.00	0	0	1.00	
	Subgrade Exc	0.00	0	0	1.00	

Subsoil Exc Fill	0.00 53.78	0 96	0 96	1.00 1.00	2543	
	33.70	50	50	1.00	2545	
14+42.00 SUITABLE						
Common Exc	347.61	518	518	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	0.00	0	0	1.00	3061	
PAVESTRUCTURE				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	00=0	
Fill	53.25	83	83	1.00	2978	
14+50.00 SUITABLE						
Common Exc	439.15	117	117	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	0.00	0	0	1.00	3095	
PAVESTRUCTURE						
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	18.45	11	11	1.00	3084	
15+00.00 SUITABLE						
Common Exc	580.94	945	945	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	0.00	0	0	1.00	4029	
PAVESTRUCTURE						
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	18.63	34	34	1.00	3995	
15+50.00 SUITABLE						
Common Exc	584.34	1079	1079	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	0.00	0	0	1.00	5074	
PAVESTRUCTURE		-		_,,,		
Common Exc	0.00	0	0	1.00		
Subgrade Exc	0.00	0	0	1.00		
Subsoil Exc	0.00	0	0	1.00		
Fill	16.13	32	32	1.00	5042	
16+00.00 SUITABLE						
Common Exc	545.61	1046	1046	1.00		
Subgrade Exc	0.00	0	1040	1.00		
Sundiane exc	0.00	Ø	О	1.00		

Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6088
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	16.26	30	30	1.00	6058
16+50.00 SUITABLE					
Common Exc	416.66	891	891	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	6949
PAVESTRUCTURE			-		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.98	34	34	1.00	6915
17.00 00 CUTTABLE					
17+00.00 SUITABLE Common Exc	347.06	707	707	1 00	
Subgrade Exc	0.00	707 0		1.00 1.00	
Subgrade Exc Subsoil Exc	0.00	0	0 0	1.00	
Fill	0.00	0	0	1.00	7622
PAVESTRUCTURE	0.00	O	O	1.00	7022
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	20.96	39	39	1.00	7583
17+50.00 SUITABLE				4 00	
Common Exc	233.87	538	538	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	0131
Fill PAVESTRUCTURE	0.00	0	0	1.00	8121
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.83	32	32	1.00	8089
18+00.00 SUITABLE					
Common Exc	135.08	342	342	1.00	
Subgrade Exc	0.00	0	9	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	8431
PAVESTRUCTURE	2.00	Ŭ	J		0.51
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	

Fill	13.83	26	26	1.00	8405
18+50.00 SUITABLE					
Common Exc	77.62	197	197	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	8602
PAVESTRUCTURE		· ·	•	_,,,	000-
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	13.82	26	26	1.00	8576
19+00.00 SUITABLE					
Common Exc	44.02	113	113	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	8689
PAVESTRUCTURE					
Common 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	8663
19+50.00 SUITABLE					
Common Exc	20.55	60	60	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.03	0	0	1.00	8723
PAVESTRUCTURE					
Common 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	26	26	1.00	8697
20+00.00 SUITABLE					
Common Exc	15.86	34	34	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.48	0	0	1.00	8731
PAVESTRUCTURE			_		
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	0705
Fill	14.22	26	26 2 T A L	1.00	8705
G R A N D Material Name		djusted Adju		S ult	
		umes Volur		actor	
	(cu	. yd.) (cu.	yd.)		

lack

SUITABLE Common Exc 9536 9536 1.00 Subgrade Exc 0 0 1.00 Subsoil Exc 0 0 1.00 Fill 2 2 1.00 **PAVESTRUCTURE** 0 Common Exc 0 1.00 Subgrade Exc 0 1.00 Subsoil Exc 0 1.00 Fill 829 829 1.00 SPLIT SUMMARY TOTALS XS Quant XS Quant Add/Sub Quant Add/Sub Quant Material Name Unadjusted Adjusted Unadjusted Adjusted Mult Volume Volume Volume Volume Factor (cu. yd.) (cu. yd.) (cu. yd.) __________ SUITABLE Common Exc 9536 9536 0 0 1.00 Subgrade Exc 0 0 0 1.00 0 Subsoil Exc 0 0 1.00 Fill 2 2 0 0 1.00 **PAVESTRUCTURE** Common Exc 0 0 0 0 1.00 Subgrade Exc 0 0 0 0 1.00 Subsoil Exc 0 0 0 0 1.00

829

829

0

Fill

0

1.00

```
Input File: R:\Roadway\CorridorModeling\Earthwork\EW-INP\05-EW-DR1.inp
Output File: 05-EW-DR1.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.005
 1
       6
       7
 1
             7 xs dgn = HB0003_rdy_xsc_DR1.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
 1
            46 lvname = WEI XS Soil-DDE
      46
 1
      47
            47
      48
            48 existing suitable material
```

```
1
      49
            49 soil type = UnsuitableDDE
 1
            50 fill mult factor = 1.00
      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
      59
 1
            60 Proposed Undercut
 1
      60
 1
      61
            61 common exc only
            62 soil type = PaveStructure
 1
      62
            63 fill mult factor = 1.00
 1
      63
 1
      64
            64 type = line, line string
            65 lvname = Prop CMT Subgrade Earthwork
 1
      65
 1
      66
            66 lvname = Exist CMT Pavement
 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 excavation limits
 1
            81 lvname = Prop XS Exc Vertical Line 1
      81
 1
      82
            82 type = line
 1
      83
            83
            84 Write Earthwork Shapes
 1
      84
 1
      85
            85 plot param
            86 lvname = WEI XS Earthwork
 1
      86
 1
      87
            87 Stratify Shape Color
 1
      88
            88
 1
      89
            89 vertical search distance = 200
      90
            90 /*calculate only between excavation limits*/
 1
            91 End Area Decimal Places = 2
 1
      91
 1
      92
            92
      93
            93 write column base ascii file =
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\05-DR1.txt
      94
 1
 1
      95
            95 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
```

```
1
     96
           96 column 1 number of decimal place = 0
           97 column 1 total length = 15
1
     97
1
     98
           98
          99 column 2 formula = ["SUITABLE", Fill, unadj vol]
1
     99
          100 column 2 number of decimal place = 0
1
    100
1
    101
          101 column 2 total length = 15
    102
1
          102
          103 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
    103
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
          104 column 3 number of decimal place = 0
1
    104
          105 column 3 total length = 15
1
    105
    106
1
          106
1
    107
          107 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
          108 column 4 number of decimal place = 0
1
    108
          109 column 4 total length = 15
1
    109
1
    110
          110
          111 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
1
    111
1
    112
          112 column 5 number of decimal place = 0
          113 column 5 total length = 15
1
    113
1
    114
          114
1
    115
          115 Process Earthwork for Baseline = DR1
1
    116
          116 job number = rdy
1
    117
          117
1
    118
          118 \text{ beg sta} = 10+25.00
          119 \text{ end sta} = 11+50.00
1
    119
1
    120
          120
1
    121
          121
1
    122
          122
1
    123
          123
1
    124
         124
1
    125
         125
1
    126
         126
1
    127
          127
      0
          128 END OF FILE
COMPUTING EARTHWORKS FOR BASELINE = DR1
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.)
10+25.00 SUITABLE
                                         0
                          406.52
                                                          1.00
              Common Exc
                                                      0
             Subgrade Exc
                            0.00
                                          0
                                                      0 1.00
                            0.00
                                          0
              Subsoil Exc
                                                     0 1.00
                  Fill
                             0.00
                                          0
                                                          1.00
                                                                     0
           PAVESTRUCTURE
              Common Exc 0.00
                                          0
                                                          1.00
```

Cubanada Eva	0.00	0	0	1 00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc Fill	0.00 34.63	0 0	0 0	1.00 1.00	0
FIII	34.03	Ø	Ø	1.00	v
10+50.00 SUITABLE					
Common Exc	144.33	255	255	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	255
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	18.45	25	25	1.00	230
10+75.00 SUITABLE					
Common Exc	52.19	91	91	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	321
PAVESTRUCTURE	0.00	J	· ·	1.00	321
Common 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	15	15	1.00	306
11+00.00 SUITABLE					
Common Exc	15.53	31	31	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	2.44	1	1	1.00	336
PAVESTRUCTURE	_,	_	_	_,,,	
Common 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	13	13	1.00	323
44 05 00 005					
11+25.00 SUITABLE	4 77	0	0	1 00	
Common Exc	4.77	9	9	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	220
Fill	5.47	4	4	1.00	328
PAVESTRUCTURE	0 00	Ω	Ω	1 00	
Common Exc Subgrade Exc	0.00 0.00	0	0	1.00 1.00	
Subgrade Exc Subsoil Exc		0	0	1.00	
Subsoil Exc Fill	0.00 13.80	0 13	13	1.00	315
LIII	13.00	13	13	1.00	313
11+50.00 SUITABLE					
Common Exc	13.88	9	9	1.00	

	PAVESTRUCT Common	Exc 111 TURE 1 Exc	0.00 0.00 0.00	9 3	3 :	1.00 2 1.00 3 1.00 0 1.00	321	
	Subgrade					0 1.00		
	Subsoil		0.00			0 1.00	200	
			13.80		3 1. TOTA	3 1.00	308	
Т		al Name	3 U I	M M A R Y Unadjusted	_	_		
	rideer re	i Nume			Volumes			
	SUITABLE							
	SULTABLE	Common	Fxc	395	395	1.00		
		Subgrade		0	0			
		Subsoil		0	0			
		Fill		8	8	1.00		
	PAVESTRUCTURE	_	_		_			
		Common		0	0			
		Subgrade Subsoil		0 0	0 0			
		Fill	LXC	79	79			
^			P L		MMARY		ALS	
				XS Quant	XS Quant	Add/Sub Qu	uant Add/Sub	
_					•	_		
Qua		Namo		Unadiusted			d Adiustod	
_	Material	Name		Unadjusted			d Adjusted	
_		L Name		Unadjusted Volume			-	
N	Material	Name		-	Adjusted	Unadjuste	-	
N	Materia Mult	L Name		Volume	Adjusted Volume	Unadjusted Volume	-	
N	Materia Mult	Name		Volume	Adjusted Volume	Unadjusted Volume	Volume	
N	Materia Mult Factor	. Name		Volume	Adjusted Volume	Unadjusted Volume	Volume	
N	Materia Mult			Volume (cu. yd.)	Adjusted Volume (cu. yd.)	Unadjusted Volume	Volume (cu. yd.	
F	Materia Mult Factor SUITABLE	L Name Common	Exc	Volume	Adjusted Volume	Unadjusted Volume	Volume	
N	Materia Mult Factor	Common		Volume (cu. yd.) 	Adjusted Volume (cu. yd.)	Unadjusted Volume	Volume (cu. yd.	
F	Materia Mult Factor SUITABLE			Volume (cu. yd.)	Adjusted Volume (cu. yd.)	Unadjusted Volume	Volume (cu. yd.	
	Materia Mult Factor SUITABLE	Common	Exc	Volume (cu. yd.) 	Adjusted Volume (cu. yd.)	Unadjusted Volume	Volume (cu. yd.	
	Materia Mult Factor SUITABLE	Common Subgrade Subsoil	Exc	Volume (cu. yd.) 395 0	Adjusted Volume (cu. yd.) 395 0	Unadjusted Volume	Volume (cu. yd 0 0 0	
N F	Material Mult Factor SUITABLE 1.00 1.00	 Common Subgrade	Exc	Volume (cu. yd.) 395	Adjusted Volume (cu. yd.) 395	Unadjusted Volume	Volume (cu. yd 0	
. F	Material Mult Factor SUITABLE 1.00 1.00 1.00	Common Subgrade Subsoil	Exc	Volume (cu. yd.) 395 0	Adjusted Volume (cu. yd.) 395 0	Unadjusted Volume	Volume (cu. yd 0 0 0	
N F	Material Mult Factor SUITABLE 1.00 1.00	Common Subgrade Subsoil Fill	Exc Exc	Volume (cu. yd.) 395 0 0	Adjusted Volume (cu. yd.) 395 0 0	Unadjusted Volume	Volume (cu. yd 0 0 0 0	
N F	Material Mult Factor SUITABLE 1.00 1.00 1.00	Common Subgrade Subsoil	Exc Exc	Volume (cu. yd.) 395 0	Adjusted Volume (cu. yd.) 395 0	Unadjusted Volume	Volume (cu. yd 0 0 0	
0 0 0	Material Mult Factor SUITABLE 1.00 1.00 1.00 PAVESTRUCTURE 1.00	Common Subgrade Subsoil Fill	Exc Exc	Volume (cu. yd.) 395 0 0	Adjusted Volume (cu. yd.) 395 0 0	Unadjusted Volume	Volume (cu. yd 0 0 0 0	
0 0 0	Material Mult Factor SUITABLE 1.00 1.00 1.00 PAVESTRUCTURE	Common Subgrade Subsoil Fill Common	Exc Exc Exc	Volume (cu. yd.) 395 0 0 8	Adjusted Volume (cu. yd.) 395 0 0	Unadjusted Volume	Volume (cu. yd 0 0 0 0	

0 1.00

0 1.00

Fill

79

79

0

```
Input File: R:\Roadway\CorridorModeling\Earthwork\EW-INP\06-EW-TMP-DR1.inp
Output File: 06-EW-TMP-DR1.log
 1
       1
             1
 1
       2
             2
 1
       3
             3 Earthwork
 1
       4
       5
 1
             5 tolerance = 0.005
 1
       6
       7
 1
             7 xs dgn = HB0003_rdy_xsc_TMP-DR1.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
      42
            42 existing suitable material
 1
 1
            43 soil type = DDE
      43
 1
      44
            44 fill mult factor = 1.00
 1
      45
            45 type = line, line_string
 1
            46 lvname = WEI XS Soil-DDE
      46
 1
      47
            47
      48
            48 existing suitable material
```

```
1
      49
            49 soil type = UnsuitableDDE
 1
            50 fill mult factor = 1.00
      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
      59
 1
            60 Proposed Undercut
 1
      60
 1
      61
            61 common exc only
            62 soil type = PaveStructure
 1
      62
            63 fill mult factor = 1.00
 1
      63
 1
      64
            64 type = line, line string
            65 lvname = Prop CMT Subgrade Earthwork
 1
      65
 1
      66
            66 lvname = Exist CMT Pavement
 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 excavation limits
 1
            81 lvname = Prop XS Exc Vertical Line 1
      81
 1
      82
            82 type = line
 1
      83
            83
            84 Write Earthwork Shapes
 1
      84
 1
      85
            85 plot param
            86 lvname = WEI XS Earthwork
 1
      86
 1
      87
            87 Stratify Shape Color
 1
      88
            88
 1
      89
            89 vertical search distance = 200
      90
            90 /*calculate only between excavation limits*/
 1
            91 End Area Decimal Places = 2
 1
      91
 1
      92
            92
            93 write column base ascii file =
      93
R:\Roadway\CorridorModeling\Earthwork\EW-TXT\06-TMP-DR1.txt
      94
 1
 1
      95
            95 column 1 formula = ["SUITABLE", Common Exc, unadj vol] +
["UNSUITABLE", Common Exc, unadj vol] + ["UNSUITABLEMARGINAL", Common Exc, unadj
vol]
```

```
1
     96
           96 column 1 number of decimal place = 0
           97 column 1 total length = 15
1
     97
1
     98
          98
          99 column 2 formula = ["SUITABLE", Fill, unadj vol]
1
     99
          100 column 2 number of decimal place = 0
1
    100
1
    101
          101 column 2 total length = 15
    102
1
          102
          103 column 3 formula = ["UNDERCUT", Common Exc, unadj vol] + ["UNDERCUT",
    103
Subgrade Exc, unadj vol] + ["UNDERCUT", Subsoil Exc, unadj vol]
          104 column 3 number of decimal place = 0
1
    104
          105 column 3 total length = 15
1
    105
    106
1
          106
1
    107
          107 column 4 formula = ["PAVESTRUCTURE", Fill, unadj vol]
          108 column 4 number of decimal place = 0
1
    108
    109
          109 column 4 total length = 15
1
1
    110
          110
          111 column 5 formula = ["SELECTMATERIAL", Fill, unadj vol]
1
    111
1
    112
          112 column 5 number of decimal place = 0
          113 column 5 total length = 15
1
    113
1
    114
          114
1
    115
          115 Process Earthwork for Baseline = TMP-DR1
1
    116
          116 job number = rdy
1
    117
          117
1
    118
          118 \text{ beg sta} = 10+92.38
          119 end sta = 14+94.32
1
    119
1
    120
          120
1
    121
          121
1
    122
         122
1
    123
          123
1
    124
         124
    125
1
        125
1
    126
         126
1
    127
          127
      0
          128 END OF FILE
COMPUTING EARTHWORKS FOR BASELINE = TMP-DR1
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.)
10+92.38 SUITABLE
                                         0
0
                                                         1.00
              Common Exc 15.48
                                                     0
             Subgrade Exc
                            0.00
                                                     0 1.00
                           0.00
                                          0
              Subsoil Exc
                                                    0 1.00
                  Fill
                            0.03
                                          0
                                                         1.00
                                                                    0
           PAVESTRUCTURE
              Common Exc 0.00
                                          0
                                                         1.00
```

Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	15.91	0	0	1.00	0
11+00.00 SUITABLE					
Common Exc	6.61	3	3	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	_
Fill	0.48	0	0	1.00	3
PAVESTRUCTURE	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 5	0 5	1.00	2
FIII	16.11	5	5	1.00	-2
11+50.00 SUITABLE					
Common Exc	12.87	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.21	1	1	1.00	15
PAVESTRUCTURE					
Common 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	28	28	1.00	-13
12+00.00 SUITABLE					
Common Exc	14.68	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	13
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	12.01	24	24	1.00	-11
12+50.00 SUITABLE					
Common Exc	4.56	18	18	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	1.11	1	1	1.00	6
PAVESTRUCTURE	1.11	-	_	1.00	O
Common 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	-17
		-			
13+00.00 SUITABLE	22.76	25	25	1 00	
Common Exc	22.76	25	25	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	7
PAVESTRUCTURE					
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	14.57	25	25	1.00	-18
13+50.00 SUITABLE					
Common Exc	121.67	134	134	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	116
PAVESTRUCTURE	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	00
Fill	16.01	28	28	1.00	88
14+00.00 SUITABLE					
Common Exc	330.00	418	418	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	506
PAVESTRUCTURE		•		4 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 1.00	476
FIII	16.01	30	30	1.00	476
14+43.97 SUITABLE					
Common Exc	116.69	364	364	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill	0.00	0	0	1.00	840
PAVESTRUCTURE	0.00	0	0	1 00	
Common Exc	0.00	0 0	0	1.00	
Subgrade Exc Subsoil Exc	0.00 0.00	0	0	1.00 1.00	
Fill	16.01	26	26	1.00	814
1111	10.01	20	20	1.00	014
14+80.00 SUITABLE					
Common Exc	3.42	80	80	1.00	
Subgrade Exc	0.00	0	0	1.00	
Subsoil Exc	0.00	0	0	1.00	
Fill PAVESTRUCTURE	0.10	0	0	1.00	894
Common Exc	0.00	0	0	1.00	
Subgrade Exc	0.00	0	0	1.00	
3338. 332 276	3.33	J	J	_,,,,	

	Subsoil		0.00		0	0 1.00	
	Fi	11	2.68	3 1	2 1	2 1.00	882
	14+94.32 SUITABLE						
•	Common	Exc	0.00	3	1	1 1.00	
	Subgrade		0.00			0 1.00	
	Subsoil		0.00	9	0	0 1.00	
	Fi		0.00	9	0	0 1.00	883
	PAVESTRUCTI						
	Common		0.00			0 1.00	
	Subgrade		0.00			0 1.00	
	Subsoil Fi		0.00			0 1.00 1 1.00	001
•				M M A R Y	TOTA		882
Т	Materia		5 0		Adjusted		
	ria cer 1a.	1 Hame		Volumes	Volumes		
				(cu. yd.)			
	SUITABLE						
		Common		1087			
		Subgrade		0			
		Subsoil		0			
	PAVESTRUCTURE	Fill		3	3	1.00	
	PAVESTRUCTURE	Common	Evc	0	0	1.00	
		Subgrade		0			
		Subsoil		0			
		Fill		202			
^		S	ΡL	IT SU	MMARY	ТОТА	LS
				XS Quant	XS Quant	Add/Sub Qu	ant Add/Sub
Quai							
М.	Material	Name		Unadjusted	Adjusted	Unadjusted	Adjusted
M	ult			Volume	Volume	Volume	Volume
F:	actor			VOTUILE	VOTUILE	VOIUME	VOTUILE
. ,	ac co1			(cu. vd.)	(cu. vd.)	(cu. vd.)	(cu. yd.)
				()	(,	()	()
	SUITABLE	•	_	400=	400=		
•	1 00	Common	Exc	1087	1087		0
0	1.00	Cubanada	Evc	a	a		a
0	1.00	Subgrade	EXC	0	0		0
U	1.00	Subsoil	Fxc	0	0		0
0	1.00	5455011	-//	O	O		~
-		Fill		3	3		0
0	1.00						
	PAVESTRUCTURE						

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		202	202		0	
0 ↑	1.00	BALANCE	Р	OINT	SUMMA	R Y		
Mul	t	Material Name		Cumulat	tive	Increme	ental	
	tor			Unadjusted	Adjusted	Unadjusted	Adjusted	
Tuc	COI			(cu. yd.)		Volumes (cu. yd.)		
 S	 tatio	on = 13+08.49 SUITABLE						
1.0	0	Common	Exc	113	113	113	113	
1.0		Subgrade	Exc	0	0	0	0	
1.0		Subsoil	Exc	0	0	0	0	
		Fill		3	3	3	3	
1.0	0	UNSUITABLE						
1.0	0	Common		0	0	0	0	
1.0	0	Subgrade	Exc	0	0	0	0	
1.0	0	Subsoil	Exc	0	0	0	0	
1.0	0	Fill		0	0	0	0	
		UNSUITABLEMARGINAL Common	Evc	0	0	0	0	
1.0	0	Subgrade		0	0	0	0	
1.0	0	_						
1.0	0	Subsoil	EXC	0	0	0	0	
1.0	0	Fill		0	0	0	0	
		DDE Common	Exc	0	0	0	0	
1.0	0	Subgrade		0	0	0	0	
1.0	0		-	_	_	_	-	

1.00	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			_	_	
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		ű	ŭ	ŭ	· ·	
	PAVESTRUCTURE 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	110	110	110	110	
1.00		110	110	110	110	
	SELECTMATERIAL Common	Exc 0	0	0	0	
1.00	Subgrade	Exc 0	0	0	0	
1.00	Subsoil		0	0	0	
1.00	Fill		0	0	0	
1.00	FIII	0	0	0	Ø	