

**SUMMARY OF QUANTITIES**

CODE	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	96
20200100	EARTH EXCAVATION	CU. YD.	124
20300100	CHANNEL EXCAVATION	CU. YD.	106
20400800	FURNISHED EXCAVATION	CU. YD.	229
• 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.3
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60
28000305	TEMPORARY DITCH CHECKS	FOOT	32
28000400	PERIMETER EROSION BARRIER	FOOT	850
28100107	STONE RIPRAP, CLASS A4	SQ. YD.	302
• 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	416
• 50100200	REMOVAL OF EXISTING STRUCTURES	L. SUM	1
50200100	STRUCTURE EXCAVATION	CU. YD.	75
50300225	CONCRETE STRUCTURES	CU. YD.	19.7
50300280	CONCRETE ENCASEMENT	CU. YD.	3.4
• 50400105	PRECAST CONCRETE BRIDGE SLAB	SQ. FT.	1048
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2770
△ 50900205	STEEL RAILING, TYPE S1	FOOT	80
51201400	FURNISHING STEEL PILES HP10x42	FOOT	160
51202305	DRIVING PILES	FOOT	160
51203400	TEST PILE STEEL HP10x42	EACH	2
51500100	NAME PLATES	EACH	1
542D0223	PIPE CULVERTS, CLASS D, TYPE 1, 18"	FOOT	76
60100965	PIPE DRAINS 18"	FOOT	60
67100100	MOBILIZATION	L. SUM	1
△ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

• SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

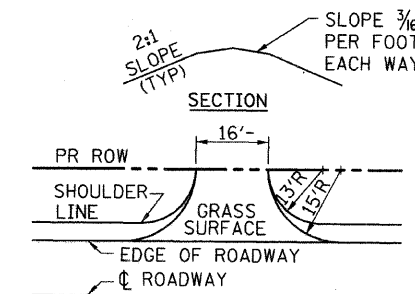
**EARTHWORK SCHEDULE**

1	2	3	4	5	6	7
LOCATION	EARTH EXCAVATION	STRUCTURE EXCAVATION	CHANNEL EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
STA 12+00 TO STA 14+79.38	75	38	54	85	308	-223
STA 15+20.63 TO STA 16+50	49	37	52	65	71	-6
<b>TOTAL</b>	<b>124</b>	<b>75</b>	<b>106</b>	<b>150</b>	<b>379</b>	<b>-229</b>

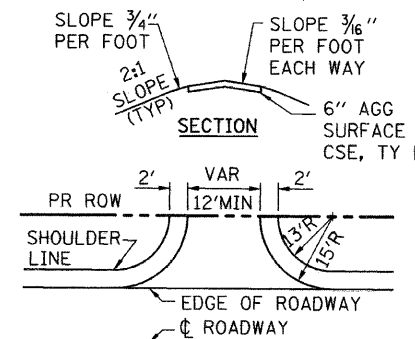
COLUMN 1,2,&6 - LOCATION AND QUANTITIES FROM CROSS SECTIONS,  
 CUT = EARTH EXCAVATION FILL = EMBANKMENT  
 COLUMN 3 - QUANTITIES OF STRUCTURAL EXCAVATION (CUT) FROM BRIDGE PLANS  
 COLUMN 4 - QUANTITY OF CHANNEL EXCAVATION (CUT) TO BE WASTED.  
 COLUMN 5 - QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 25%  
 COLUMN 7 - EARTHWORK BALANCE (-) = QUANTITY OF FURNISHED EXCAVATION NEEDED EARTHWORK BALANCE  
 (+) = QUANTITY OF EARTH EXCAVATION ADJUSTED FOR SHRINKAGE TO BE WASTED

**TREE REMOVAL  
6 TO 15 UNITS DIAMETER**

STA	OFFSET	RT/LT	UNITS
14+47	34	RT	10
14+72	29'	LT	6
14+88	27'	LT	15
14+88	27'	LT	15
14+95	32'	LT	10
15+15	29'	LT	8
15+15	29'	LT	8
15+15	29'	LT	8
15+15	29'	LT	8
15+16	27'	LT	8
<b>TOTAL</b>			<b>96</b>



**FIELD ENTRANCE DETAIL**



**PRIVATE ENTRANCE DETAIL**

**GENERAL NOTES**

- TEMPORARY EROSION CONTROL TO BE IMPLEMENTED PER THE PLANS AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS AND PREVENT DRAINAGE OR PONDING OF WATER ONTO PRIVATE PROPERTY.
- THE SEEDING MIXTURE SHALL CONFORM TO ROADSIDE MIXTURE TYPE 2, DURING THE PERIOD BETWEEN NOVEMBER 1 AND DECEMBER 1. THE CONTRACTOR SHALL SUBSTITUTE 10 POUNDS OF PERENNIAL RYE FOR 48 POUNDS OF OATS, SPRING.
- ALL DISTURBED EARTH SURFACES WITHIN THE LIMITS OF THE R.O.W. AND EASEMENTS SHALL BE SEEDDED AS DIRECTED BY THE ENGINEER.