LOCATION	REM AND DISP OF UNSUITABLE MATERIAL (TOPSOIL STRIPPING) (CU YD)			CUT (CU YD)			REM AND DISP OF UNSUITABLE MATERIAL (WITHIN PROPOSED ROADWAY) (CU YD)			EARTH EXCAVATION (CU YD)			EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) (CU YD)			EMBANKMENT (CU YD)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)		
	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3	STAGE 1	STAGE 2	STAGE 3
SOUTH END TO OLD ORCHARD (120+00 TO 139+50.00)	0	152	522	424	765	908	91	99	212	333	666	696	283	566	592	16	324	102	+267	+ 242	+ 490
OLD ORCHARD TO NORTH END (139+50.00 TO 144+00.00)	14	0	32	346	299	385	152	150	145	194	149	240	165	127	204	3	9	22	+162	+ 118	+ 182
OLD ORCHARD WEST LEG (301+26.70 TO 307+00.00)	131	38	41	1,443	819	733				1,443	819	733	1,227	696	623	0	36	7	+1,227	+ 660	+ 616
OLD ORCHARD EAST LEG (308+50.00 TO 309+88.06)	15	0	18	157	106	175				157	106	175	133	90	149	1	0	2	+132	+ 90	+147
TOTAL	160	190	613	2,370	1,989	2,201	243	249	356	2,127	1,740	1,845	1,808	1,480	1,567	20	369	133	+1,788	+1,110	+1,434

EARTHWORK SUMMARY OF QUANTITIES

	STAGE 1	STAGE 2	STAGE 3	TOTAL
EARTH EXCAVATION	2,127	1,740	1,845	5,712
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL STRIPPING)	160	190	613	963
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (WITHIN PROPOSED ROADWAY)	243	249	356	847
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUTTING)	1274			1,274
TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	1,677	439	969	3,084

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

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