

LOCATION			UNDERCUT AND PGE REPLACEMENT (CY)*			UNSUITABLE EXCAVATION (TOPSOIL) (CY)			EARTH EXCAVATION (CY)			shrinkage factor=15% EXCAVATION TO BE USED FOR EMBANKMENT (adj.)			EMBANKMENT REQUIRED (CY)			EARTHWORK BALANCE WASTE (+) / SHORTAGE (-)		
			PRE-STAGE	STAGE 1	STAGE 2	PRE-STAGE	STAGE 1	STAGE 2	PRE-STAGE	STAGE 1	STAGE 2	PRE-STAGE	STAGE 1	STAGE 2	PRE-STAGE	STAGE 1	STAGE 2	PRE-STAGE	STAGE 1	STAGE 2
253+50	to	260+00	0	643	552	43	128	135	133	585	492	113	497	418	45	496	503	68	1	-85
260+00	to	270+00	0	0	0	148	395	131	236	1928	689	201	1639	585	205	331	690	-4	1308	-104
270+00	to	280+00	0	0	0	23	776	182	75	2595	845	64	2206	719	44	1526	1752	20	680	-1033
280+00	to	290+00	0	0	0	0	656	160	0	2378	1875	0	2021	1594	0	881	547	0	1140	1047
290+00	to	300+00	0	136	134	0	689	125	0	2305	1606	0	1959	1366	0	498	618	0	1461	748
300+00	to	310+00	0	215	226	0	709	149	0	4007	1598	0	3406	1358	0	501	1327	0	2905	32
310+00	to	320+00	0	292	84	0	1106	172	0	4984	1143	0	4237	971	0	3072	2146	0	1164	-1175
320+00	to	329+50	0	341	40	0	738	255	0	2970	117	0	2525	100	0	6585	5139	0	-4060	-5040
CASEY ROAD																				
4+60	to	9+50								1213			1031			88			942	
10+50	to	16+22								1148			976			426			550	
TOTALS			0	1627	1036	214	5196	1310	445	24113	8366	378	20496	7111	294	14405	12721	84	6091	-5610

	PRE-STAGE	STAGE 1	STAGE 2	TOTAL
EARTH EXCAVATION (CY)	445	25740	9402	35586
UNSUITABLE EXCAVATION (TOPSOIL) (CY)**	214	5196	1310	6720
PGE, SUBGRADE (CY)	0	1627	1036	2663
FURNISHED EXCAVATION	0	0	0	0

\*\*WORK PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT

NOTES

1. UNDERCUT LOCATIONS ARE PAID FOR AS EARTH EXCAVATION. PGE REPLACEMENT LOCATIONS ARE PAID FOR AS POROUS GRANULAR EMBANKMENT, SUBGRADE.
2. ASSUME 10% OF TOPSOIL EXCAVATION WILL NOT BE RE-USED AND IS DISPOSED OF AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL