

1 LOCATION	2 EARTH EXCAVATION				3 UNDERCUT AND PGE REPLACEMENT				4 EXCAVATION TO BE USED IN EMBANKMENT (SHINKAGE ADJ. 15%)				5 EMBANKMENT				6 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			
	STA TO STA	(CU YD)				(CU YD)				(CU YD)				(CU YD)				(CU YD)		
STAGE	PRE	I	II	III	PRE	I	II	III	PRE	I	II	III	PRE	I	II	III	PRE	I	II	III
Ramp F																				
1+50	2+00	0	469	0	0	0	0	0	0	399	0	0	0	69	0	0	0	330	0	0
2+00	2+50	0	655	0	0	0	0	0	0	557	0	0	0	0	0	0	0	557	0	0
2+50	3+00	0	759	0	0	0	0	0	0	645	0	0	0	0	0	0	0	645	0	0
3+00	3+50	0	608	0	0	0	0	0	0	517	0	0	0	1	0	0	0	516	0	0
3+50	4+00	0	354	0	0	0	0	0	0	301	0	0	0	27	0	0	0	274	0	0
4+00	4+50	0	170	0	0	0	0	0	0	145	0	0	0	48	0	0	0	97	0	0
4+50	5+00	0	90	111	0	0	0	0	0	77	94	0	0	63	33	0	0	14	61	0
5+00	5+50	0	186	168	0	0	0	0	0	158	143	0	0	149	49	0	0	9	94	0
5+50	6+00	0	269	56	0	0	0	0	0	229	48	0	0	173	16	0	0	56	32	0
6+00	6+50	0	220	0	0	0	0	0	0	187	0	0	0	96	0	0	0	91	0	0
6+50	7+00	0	130	0	0	0	0	0	0	111	0	0	0	63	0	0	0	48	0	0
7+00	7+50	0	95	0	0	0	0	0	0	81	0	0	0	32	0	0	0	49	0	0
7+50	8+00	0	130	0	0	0	0	0	0	111	0	0	0	2	0	0	0	109	0	0
8+00	8+50	0	153	0	0	0	0	0	0	130	0	0	0	1	0	0	0	129	0	0
8+50	9+00	0	143	0	0	0	0	0	0	122	0	0	0	1	0	0	0	121	0	0
9+00	9+50	0	114	0	0	0	0	0	0	97	0	0	0	3	0	0	0	94	0	0
9+50	10+00	0	107	0	0	0	0	0	0	91	0	0	0	4	0	0	0	87	0	0
10+00	10+50	0	129	0	0	0	0	0	0	110	0	0	0	2	0	0	0	108	0	0
10+50	11+00	0	171	0	0	0	0	0	0	145	0	0	0	0	0	0	0	145	0	0
11+00	11+50	0	185	0	0	0	0	0	0	157	0	0	0	0	0	0	0	157	0	0
11+50	12+00	0	159	0	0	0	0	0	0	135	0	0	0	1	0	0	0	134	0	0
12+00	12+50	0	144	0	0	0	0	0	0	122	0	0	0	2	0	0	0	120	0	0
12+50	13+00	0	155	0	0	0	0	0	0	132	0	0	0	2	0	0	0	130	0	0
13+00	13+50	0	164	0	0	0	0	0	0	139	0	0	0	2	0	0	0	137	0	0
13+50	14+00	0	165	0	0	0	0	0	0	140	0	0	0	1	0	0	0	139	0	0
14+00	14+50	0	85	0	0	0	0	0	0	72	0	0	0	0	0	0	0	72	0	0
14+50	15+00	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0
SUBTOTALS		0	6011	335	0	0	0	0	0	5112	285	0	0	742	98	0	0	4370	187	0
Ramp O																				
18+00	18+50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18+50	19+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19+00	19+50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19+50	20+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20+00	20+50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20+50	21+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21+00	21+50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21+50	22+00	7	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6	0	0	0
22+00	22+50	15	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13	0	0	0
22+50	23+00	15	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13	0	0	0
23+00	23+50	20	0	0	0	0	0	0	17	0	0	0	1	0	0	0	18	0	0	0
23+50	24+00	27	0	0	0	0	0	0	23	0	0	0	5	0	0	0	18	0	0	0
24+00	24+50	27	0	0	0	0	0	0	23	0	0	0	7	0	0	0	16	0	0	0
24+50	25+00	13	0	0	0	0	0	0	11	0	0	0	4	0	0	0	7	0	0	0
SUBTOTALS		124	0	0	0	0	0	0	106	0	0	0	17	0	0	0	89	0	0	0

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	STA TO STA	(CU YD)				(CU YD)				(CU YD)				(CU YD)				(CU YD)		
STAGE	PRE	I	II	III	PRE	I	II	III	PRE	I	II	III	PRE	I	II	III	PRE	I	II	III
Ramp WB																				
-0+50	0+00	15	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13	0	0
0+00	0+50	14	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12	0	0
0+50	1+00	15	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13	0	0
1+00	1+50	19	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	16	0	0
1+50	2+00	19	0	0	0	0	0	0	0	16	0	0	0	1	0	0	0	15	0	0
2+00	2+50	19	0	0	0	0	0	0	0	16	0	0	0	2	0	0	0	14	0	0
2+50	3+00	19	0	0	0	0	0	0	0	16	0	0	0	4	0	0	0	12	0	0
3+00	3+50	18	0	0	0	0	0	0	0	15	0	0	0	5	0	0	0	10	0	0
3+50	4+00	19	0	0	0	0	0	0	0	16	0	0	0	4	0	0	0	12	0	0
4+00	4+50	19	0	0	0	0	0	0	0	16	0	0	0	4	0	0	0	12	0	0
4+50	5+00	19	0	0	0	0	0	0	0	16	0	0	0	3	0	0	0	13	0	0
5+00	5+50	18	0	0	0	0	0	0	0	15	0	0	0	2	0	0	0	13	0	0
5+50	6+00	16	0	0	0	0	0	0	0	14	0	0	0	2	0	0	0	12	0	0
6+00	6+50	16	0	0	0	0	0	0	0	14	0	0	0	2	0	0	0	12	0	0
6+50	7+00	16	0	0	0	0	0	0	0	14	0	0	0	2	0	0	0	12	0	0
7+00	7+50	14	0	0	0	0	0	0	0	12	0	0	0	1	0	0	0	11	0	0
7+50	8+00	12	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10	0	0
8+00	8+50	6	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5	0	0
8+50	9+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9+00	9+50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9+50	10+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+00	10+50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+50	11+00	7	0	0	0	0	0	0	0	6	0	0	0	3	0	0	0	3	0	0
11+00	11+50	16	0	0	0	0	0	0	0	14	0	0	0	5	0	0	0	9	0	0
11+50	12+00	17	0	0	0	0	0	0	0	14	0	0	0	5	0	0	0	9	0	0
12+00	12+50	18	0	0	0	0	0	0	0	15	0	0	0	5	0	0	0	10	0	0
12+50	13+00	20	0	0	0	0	0	0	0	17	0	0	0	3	0	0	0	14	0	0
13+00	13+50	20	0	0	0	0	0	0	0	17	0	0	0	3	0	0	0	14	0	0
13+50	14+00	19	0	0	0	0	0	0	0	16	0	0	0	2	0	0	0	14	0	0
14+00	14+50	14	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12	0	0
14+50	15+00	34	0	0	0	0	0	0	0	29	0	0	0	1	0	0	0	28	0	0
15+00	15+50	51	0	0	0	0	0	0	0	43	0	0	0	4	0	0	0	39	0	0
15+50	16+00	36	0	0	0	0	0	0	0	31	0	0	0	6	0	0	0	25	0	0
16+00	16+50	26	0	0	0	0	0	0	0	22	0	0	0	4	0	0	0	18	0	0
16+50	17+00	20	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17	0	0
17+00	17+50	10	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9	0	0
17+50	18+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTALS		601	0	0	0	0	0	0	0	511	0	0	0	73	0	0	0	438	0	0

FILE NAME = Earthwork.dgn