

MAINLINE US RTE. 30									
STAGE I EARTHWORK COMPUTATION									
LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION 20400800	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT (4")	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL 20201200	
								EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNDERCUT AND OTHER UNSUITABLE MATERIAL
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
307+00	308+00	0.00	0.00	0.00	0.00	0.00	26.11	-26.11	0.00
308+00	309+00	0.00	0.00	0.00	0.00	0.00	25.20	-25.20	0.00
309+00	310+00	0.00	0.00	0.00	0.00	0.00	24.40	-24.40	0.00
310+00	311+00	0.00	0.00	0.00	0.00	0.00	23.60	-23.60	0.00
311+00	312+00	62.92	53.48	14.37	39.11	40.11	20.09	20.02	0.00
312+00	313+00	118.17	100.45	26.73	73.71	42.31	16.89	25.42	0.00
313+00	314+00	132.93	112.99	30.08	82.91	36.56	17.29	19.27	0.00
314+00	315+00	146.06	124.15	47.86	76.29	44.12	17.78	26.34	0.00
315+00	316+00	156.84	133.31	61.79	71.53	57.95	22.86	35.09	0.00
316+00	317+00	177.30	150.70	56.36	94.34	67.43	27.43	40.00	0.00
317+00	318+00	187.03	158.98	60.82	98.16	87.12	26.14	60.97	0.00
318+00	319+00	187.12	159.06	67.87	91.19	99.16	25.42	73.74	0.00
319+00	320+00	173.04	147.09	80.14	66.94	105.31	25.34	79.97	0.00
320+00	321+00	141.15	119.98	116.51	3.47	112.59	25.01	87.57	0.00
321+00	322+00	106.80	90.78	151.34	-60.56	113.14	25.02	88.12	0.00
322+00	323+00	69.59	59.15	162.23	-103.08	120.69	24.92	95.77	0.00
323+00	324+00	43.59	37.05	188.77	-151.73	118.12	25.30	92.82	0.00
324+00	325+00	25.93	22.04	256.12	-234.08	111.35	25.59	85.75	0.00
325+00	326+00	8.44	7.17	328.59	-321.41	110.81	25.55	85.26	0.00
326+00	327+00	1.33	1.13	348.99	-347.85	107.34	25.90	81.44	0.00
327+00	328+00	7.91	6.73	309.72	-302.99	109.96	26.29	83.67	0.00
328+00	329+00	13.91	11.82	295.41	-283.59	113.80	26.41	87.40	0.00
329+00	330+00	32.59	27.70	279.33	-251.63	17.36	25.52	-8.16	0.00
330+00	331+00	70.56	59.97	190.88	-130.91	118.50	25.57	92.92	0.00
331+00	332+00	101.25	86.06	143.33	-57.26	117.90	25.67	92.23	0.00
332+00	333+00	58.60	49.81	105.96	-56.16	114.34	25.77	88.57	122.91
333+00	334+00	0.00	0.00	80.21	-80.21	114.20	25.87	88.33	266.38
334+00	335+00	0.00	0.00	90.76	-90.76	114.14	25.97	88.16	282.99
335+00	336+00	0.00	0.00	105.77	-105.77	114.53	26.07	88.46	270.27
336+00	337+00	0.00	0.00	109.57	-109.57	119.12	26.18	92.94	252.36
337+00	338+00	0.00	0.00	107.17	-107.17	123.69	26.28	97.41	232.14
338+00	339+00	68.98	58.63	116.06	-57.42	115.02	26.26	88.76	110.51
339+00	340+00	132.84	112.91	141.60	-28.69	110.22	26.36	83.85	0.00
340+00	341+00	126.28	107.34	156.05	-48.71	114.85	26.57	88.28	0.00
341+00	342+00	114.47	97.30	189.65	-92.35	115.42	26.68	88.75	0.00
342+00	343+00	98.67	83.87	223.16	-139.29	116.31	26.78	89.53	0.00
343+00	344+00	92.67	78.77	303.04	-224.27	117.49	23.99	93.50	0.00
344+00	345+00	94.33	80.18	337.82	-257.64	125.96	25.46	100.50	0.00
345+00	346+00	79.91	67.92	238.20	-170.27	110.08	32.58	77.50	0.00
346+00	347+00	94.95	80.71	199.32	-118.61	109.96	35.31	74.64	0.00
347+00	348+00	129.91	110.42	176.25	-65.83	116.34	27.12	89.21	0.00
348+00	349+00	153.80	130.73	154.21	-23.48	103.57	28.20	75.37	0.00
349+00	350+00	183.91	156.32	112.53	43.79	88.29	28.63	59.65	0.00
350+00	351+00	98.57	83.79	108.85	-25.06	80.32	26.27	54.05	151.51
351+00	352+00	0.00	0.00	128.63	-128.63	73.09	22.74	50.36	300.62
352+00	353+00	0.00	0.00	102.40	-102.40	70.35	20.71	49.63	321.38
353+00	354+00	158.49	134.71	66.66	68.05	60.27	18.76	41.51	107.60
354+00	355+00	226.05	192.15	47.40	144.74	49.33	17.30	32.03	0.00
355+00	356+00	218.89	186.05	38.12	147.93	41.66	16.01	25.65	0.00
356+00	357+00	202.57	172.18	61.53	110.65	60.96	21.57	39.39	0.00
357+00	358+00	187.87	159.69	31.24	128.45	35.42	12.64	22.78	0.00
358+00	359+00	193.96	164.87	16.59	148.28	17.72	5.96	11.75	0.00
359+00	360+00	228.60	194.31	22.12	172.19	22.88	4.83	18.05	0.00
360+00	361+00	277.17	235.60	57.72	177.88	49.70	13.73	35.97	0.00
361+00	362+00	285.66	242.81	55.15	187.66	32.82	13.98	18.84	0.00
362+00	363+00	326.28	277.34	62.67	214.67	44.48	16.83	27.65	0.00
363+00	364+00	295.66	251.32	57.91	193.41	48.28	16.13	32.15	0.00
364+00	365+00	232.05	197.24	91.88	105.36	56.90	18.78	38.12	0.00
SUBTOTAL		6325.59	5376.76	7113.44	-1736.69	4639.32	1341.66	3297.65	2418.68

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								TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	UNDERCUT AND OTHER UNSUITABLE MATERIAL
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
365+00	366+00	108.88	92.55	91.97	0.58	77.65	17.93	59.72	48.62
366+00	367+00	0.00	0.00	76.30	-76.30	76.94	15.57	61.37	244.55
367+00	368+00	0.00	0.00	32.91	-32.91	53.40	11.61	41.80	294.10
368+00	369+00	0.00	0.00	27.17	-27.17	50.15	11.50	38.64	299.14
369+00	370+00	0.00	0.00	10.30	-10.30	38.97	11.94	27.03	314.53
370+00	371+00	0.00	0.00	14.02	-14.02	37.99	12.39	25.60	344.34
371+00	372+00	0.00	0.00	16.05	-16.05	35.64	12.73	22.91	349.78
372+00	373+00	0.00	0.00	22.19	-22.19	36.87	14.24	22.63	263.20
373+00	374+00	53.81	45.74	10.78	34.96	13.16	8.01	5.15	102.83
374+00	375+00	72.89	61.95	43.95	18.00	26.35	8.95	17.40	0.00
375+00	376+00	22.06	18.75	137.90	-119.15	47.94	19.41	28.53	0.00
376+00	377+00	10.78	9.16	178.95	-169.78	41.67	20.13	21.54	0.00
377+00	378+00	6.22	5.29	160.04	-154.75	55.51	21.99	33.52	154.38
378+00	379+00	0.00	0.00	130.87	-130.87	94.59	25.07	69.52	315.18
379+00	380+00	0.00	0.00	125.74	-125.74	88.06	26.24	61.82	319.67
380+00	381+00	47.76	40.59	145.78	-105.19	91.83	25.63	66.20	132.68
381+00	382+00	68.92	58.58	193.20	-134.61	92.66	23.13	69.53	0.00
382+00	383+00	79.49	67.57	227.49	-159.93	92.22	21.57	70.65	0.00
383+00	384+00	82.37	70.02	296.39	-226.38	94.96	22.73	72.23	0.00
384+00	385+00	75.99	64.59	291.48	-226.89	97.04	21.86	75.18	0.00
385+00	386+00	96.00	81.60	178.05	-96.45	83.61	17.21	66.40	0.00
386+00	387+00	52.41	44.55	137.01	-92.45	81.46	14.45	67.01	92.06
387+00	388+00	0.00	0.00	117.43	-117.43	81.48	14.00	67.48	205.82
388+00	389+00	0.00	0.00	132.67	-132.67	80.99	14.81	66.18	225.86
389+00	390+00	93.63	79.59	131.40	-51.81	80.58	14.19	66.39	112.10
390+00	391+00	197.61	167.97	128.34	39.63	82.37	14.12	68.24	0.00
391+00	392+00	208.45	177.19	209.71	-32.52	102.92	18.41	84.51	0.00
392+00	393+00	208.71	177.41	370.51	-193.10	127.65	24.80	102.85	0.00
393+00	394+00	204.06	173.45	520.86	-347.41	141.50	30.94	110.56	0.00
394+00	395+00	196.04	166.64	609.18	-442.55	151.98	35.04	116.94	0.00
395+00	396+00	196.49	167.02	699.27	-532.25	176.83	36.20	140.63	0.00
396+00	397+00	208.69	177.38	683.07	-505.69	172.57	37.83	134.73	0.00
397+00	398+00	204.02	173.42	689.09	-515.68	179.95	38.45	141.49	0.00
398+00	399+00	172.37	146.51	755.67	-609.16	162.69	40.19	122.49	0.00
399+00	400+00	164.40	139.74	567.34	-427.60	187.31	41.59	145.71	0.00
400+00	401+00	173.22	147.23	344.31	-197.07	152.49	30.19	122.30	0.00
401+00	402+00	219.09	186.22	156.38	29.85	106.04	17.61	88.43	0.00
402+00	403+00	230.29	195.75	158.27	37.48	100.15	20.09	80.05	0.00
403+00	404+00	216.85	184.32	239.45	-55.13	114.53	26.45	88.08	0.00
404+00	405+00	231.34	196.64	174.46	22.18	100.13	20.88	79.25	0.00
405+00	406+00	258.16	219.44	95.98	123.46	79.11	13.05	66.07	0.00
406+00	407+00	290.74	247.13	45.98	201.15	63.67	7.29	56.37	152.49
407+00	408+00	152.38	129.52	40.04	89.48	70.02	10.05	59.97	334.80
408+00	409+00	0.00	0.00	50.09	-50.09	79.90	14.31	65.59	363.22
409+00	410+00	0.00	0.00	54.28	-54.28	78.55	13.89	64.66	370.04
410+00	411+00	158.72	134.91	51.28	83.63	80.45	14.97	65.47	189.14
411+00	412+00	307.33	261.23	43.74	217.49	87.30	18.04	69.26	0.00
412+00	413+00	243.35	206.85	54.08	152.77	107.86	11		