EARTHWORK BALANCE SHEET (UTILITY AREA I)

PROJECT: U-4758 COUNTY GUILFORD DATE 5/19/2025

LINE	LOC.	STATION	STATION	TOTAL EXCAV. (UNCL.)	UNDERCUT EXCAV.	UNSUIT. (UNCL.) EXCAV.	SUITABLE (UNCL.) EXCAV.	TOTAL EMB.	ROCK EMB.	EARTH EMB.	EMB. +20%	BORROW	SUITABLE WASTE	UNSUIT. WASTE	TOTAL WASTE
WZTC PHASE I															
-L-	LT	13+50.00	22+50.00	1,331	0	0	1,331	5,791	0	5,791	6,949	5,618	0	0	0
-L-	LT, RT	100+75.00	116+50.00	4,270	0	0	4,270	2,008	0	2,008	2,410	0	1,860	0	1,860
-Y30-		10+50.00	11+50.00	218	0	0	218	32	0	32	38	0	180	0	180
-Y31-		10+50.00	11+00.00	16	0	0	16	165	0	165	198	182	0	0	0
WZTC PHASE I TOTAL				5,835	0	0	5,835	7,996	0	7,996	9,595	5,800	2,040	0	2,040
WZTC PHASE II															
-L-	RT	13+50.00	34+00.00	3,605	900	0	3,605	7,588	0	7,588	9,106	5,501	0	900	900
-L-	RT	34+00.00	54+50.00	11,916	0	0	11,916	9,266	0	9,266	11,119	0	797	0	797
-L-	RT	56+00.00	88+00.00	597	0	0	597	35,970	0	35,970	43,164	42,567	0	0	0
WZTC PHASE II TOTAL				16,118	900	0	16,118	52,824	0	52,824	63,389	48,068	797	900	1,697
WZTC PHASE III															
-L-	LT	22+50.00	54+50.00	2,495	0	0	2,495	13,921	0	13,921	16,705	14,210	0	0	0
-L-	LT	56+00.00	88+00.00	2,419	0	0	2,419	8,454	0	8,454	10,145	7,726	0	0	0
-L-	LT	88+00.00	120+00.00	4,728	175	0	4,728	9,656	0	9,656	11,587	6,859	0	175	175
-Y2-		12+50.00	13+00.00	83	0	0	83	10	0	10	12	0	71	0	71
-Y3-		10+00.00	11+00.00	117	0	0	117	14	0	14	17	0	99	0	99
-Y4-		11+50.00	12+50.00	186	0	0	186	6	0	6	7	0	179	0	179
-Y5-		18+00.00	19+00.00	360	150	0	360	26	0	26	31	0	329	150	479
-Y6-		10+50.00	14+00.00	571	0	0	571	1	0	1	1	0	570	0	570
PHASE III TOTAL				10,959	325	0	10,959	32,088	0	32,088	38,506	28,795	1,248	325	1,573
WZTC PHASE IV															
-L-	MED	18+50.00	26+50.00	12	0	0	12	759	0	759	911	899	0	0	0
-L-	MED	29+00.00	36+00.00	4	0	0	4	993	0	993	1,192	1,188	0	0	0
-L-	MED	45+50.00	54+00.00	7	0	0	7	1,171	0	1,171	1,405	1,398	0	0	0
-L-	MED	56+50.00	65+50.00	49	0	0	49	1,469	0	1,469	1,763	1,714	0	0	0
-L-	MED	75+50.00	78+00.00	0	0	0	0	512	0	512	614	614	0	0	0
-L-	RT, MED	83+00.00	100+75.00	685	0	0	685	3,344	0	3,344	4,013	3,328	0	0	0
-L-	RT	116+50.00	120+00.00	128	0	0	128	342	0	342	410	282	0	0	0
PHASE IV TOTAL				885	0	0	885	8,590	0	8,590	10,308	9,423	0	0	0
WZTC PHASING SUBTOTAL				33,797	1,225		33,797	101,498		101,498	121,798	92,086	4,084	1,225	5,309
WASTE IN LIEU OF BORROW												-4,084	-4,084		-4,084
UTILITY AREA I TOTAL				**33,797**	**1,225**	**0**	**33,797**	**101,498**	**0**	**101,498**	**121,798**	**88,002**	**0**	**1,225**	**1,225**
REPLACE TOP SOIL ON BORROW PIT (5%)												4,400			
SHEET TOTAL				**33,797**	**1,225**	**0**	**33,797**	**101,498**	**0**	**101,498**	**121,798**	**92,402**	**0**	**1,225**	**1,225**
SAY				**33,800**	**1,225**							**92,500**			

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

EARTHWORK BALANCE SHEET (UTILITY AREA II)

PROJECT: U-4758 COUNTY GUILFORD DATE 19-May-25

LINE	LOC.	STATION	STATION	TOTAL EXCAV. (UNCL.)	UNDERCUT EXCAV.	UNSUIT. (UNCL.) EXCAV.	SUITABLE (UNCL.) EXCAV.	TOTAL EMB.	ROCK EMB.	EARTH EMB.	EMB. +20%	BORROW	SUITABLE WASTE	UNSUIT. WASTE	TOTAL WASTE
WZTC PHASE I															
-L-	RT	138+00.00	156+50.00	867	0	0	867	2,515	0	2,515	3,018	2,151	0	0	0
WZTC PHASE I TOTAL				867	0	0	867	2,515	0	2,515	3,018	2,151	0	0	0
WZTC PHASE III															
-L-	LT	120+00.00	143+50.00	6,162	125	0	6,162	858	0	858	1,030	0	5,132	125	5,257
-L-	LT	143+50.00	167+00.00	1,419	0	0	1,419	6,948	0	6,948	8,338	6,919	0	0	0
-L-	LT	167+00.00	191+00.00	5,025	0	0	5,025	10,677	0	10,677	12,812	7,787	0	0	0
-Y7-		12+00.00	12+50.00	51	0	0	51	3	0	3	4	0	47	0	47
-Y9-		14+00.00	14+50.00	43	0	0	43	0	0	0	0	0	43	0	43
-Y10-		10+00.00	15+00.00	234	0	0	234	757	0	757	908	674	0	0	0
-Y11-		10+50.00	16+00.00	1,739	0	0	1,739	545	0	545	654	0	1,085	0	1,085
-Y14-		10+00.00	11+50.00	394	0	0	394	120	0	120	144	0	250	0	250
WZTC PHASE III TOTAL				15,067	125	0	15,067	19,908	0	19,908	23,890	15,380	6,558	125	6,683
WZTC PHASE IV															
-L-	RT, MED	120+00.00	141+00.00	793	0	0	793	2,745	0	2,745	3,294	2,501	0	0	0
-L-	MED	144+00.00	145+50.00	9	0	0	9	85	0	85	102	93	0	0	0
-L-	RT, MED	155+50.00	173+50.00	1,966	0	0	1,966	3,722	0	3,722	4,466	2,500	0	0	0
-L-	RT, MED	173+50.00	191+00.00	2,030	0	0	2,030	1,519	0	1,519	1,823	0	207	0	207
-Y8-		10+50.00	23+00.00	4,304	300	0	4,304	1,607	0	1,607	1,928	0	2,376	300	2,676
-Y12-		12+00.00	16+50.00	657	0	0	657	123	0	123	148	0	509	0	509
-Y13-		11+00.00	16+00.00	1,853	0	0	1,853	559	0	559	671	0	1,182	0	1,182
-Y26-		10+50.00	14+50.00	1,073	0	0	1,073	4,335	0	4,335	5,202	4,129	0	0	0
WZTC PHASE IV TOTAL				12,685	300	0	12,685	14,695	0	14,695	17,634	9,223	4,274	300	4,574
WZTC PHASING SUBTOTAL				28,619	425	0	28,619	37,118	0	37,118	44,542	26,755	10,832	425	11,257
UNSUITABLE EXCAVATION				2,210		2,210								2,210	2,210
WASTE IN LIEU OF BORROW												-10,832	-10,832		-10,832
UTILITY AREA II TOTAL				**30,829**	**425**	**2,210**	**28,619**	**37,118**	**0**	**37,118**	**44,542**	**15,923**	**0**	**2,635**	**2,635**
REPLACE TOP SOIL ON BORROW PIT (5%)												796			
SHEET TOTAL				**30,829**	**425**	**2,210**	**28,619**	**37,118**	**0**	**37,118**	**44,542**	**16,719**	**0**	**2,635**	**2,635**
SAY				**30,900**	**425**							**16,800**			

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EARTHWORK BALANCE SHEET (UTILITY AREA III)

PROJECT: U-4758 COUNTY GUILFORD DATE 19-May-25

LINE	LOC.	STATION	STATION	TOTAL EXCAV. (UNCL.)	UNDERCUT EXCAV.	UNSUIT. (UNCL.) EXCAV.	SUITABLE (UNCL.) EXCAV.	TOTAL EMB.	ROCK EMB.	EARTH EMB.	EMB. +20%	BORROW	SUITABLE WASTE	UNSUIT. WASTE	TOTAL WASTE
WZTC PHASE I															
-L-	LT	212+50.00	218+50.00	261	0	0	261	743	0	743	892	631	0	0	0
WZTC PHASE I TOTAL				261	0	0	261	743	0	743	892	631	0	0	0
WZTC PHASE II															
-L-	RT	199+00.00	218+50.00	1,362	0	0	1,362	7,372	0	7,372	8,846	7,484	0	0	0
-L-	RT	218+50.00	238+70.00	6,805	2,400	0	6,805	1,359	0	1,359	1,631	0	5,174	2,400	7,574
-L1-	RT	10+60.00	21+00.00	202	0	0	202	2,636	0	2,636	3,163	2,961	0	0	0
-RPC-		17+00.00	22+99.00	148	0	0	148	1,461	0	1,461	1,753	1,605	0	0	0
-Y17-		10+00.00	17+50.00	2,002	1,500	0	2,002	749	0	749	899	0	1,103	1,500	2,603
-Y18-		10+00.00	12+50.00	228	0	0	228	47	0	47	56	0	172	0	172
-Y20-		11+00.00	31+50.00	1,736	0	0	1,736	7,310	0	7,310	8,772	7,036	0	0	0
-Y23-		11+00.00	11+50.00	544	0	0	544	0	0	0	0	0	544	0	544
-DWAY23-		10+00.00	13+50.00	4,118	0	0	4,118	0	0	0	0	0	4,118	0	4,118
-DWAY24-		11+00.00	17+00.00	227	0	0	227	3,121	0	3,121	3,745	3,518	0	0	0
WZTC PHASE II TOTAL				17,372	3,900	0	17,372	24,055	0	24,055	28,866	22,605	11,111	3,900	15,011
WZTC PHASE III															
-L-	LT	191+00.00	212+50.00	3,648	0	0	3,648	1,002	0	1,002	1,202	0	2,446	0	2,446
-L-	LT	218+50.00	238+70.00	581	0	0	581	1,852	0	1,852	2,222	1,641	0	0	0
-L1-	LT	10+60.00	21+00.00	933	0	0	933	4,476	0	4,476	5,371	4,438	0	0	0
-RPB-		22+72.00	29+46.00	1,521	0	0	1,521	2,270	0	2,270	2,724	1,203	0	0	0
-Y19-		12+00.00	12+50.00	80	0	0	80	0	0	0	0	0	80	0	80
-Y21-		12+00.00	12+50.00	62	0	0	62	0	0	0	0	0	62	0	62
-Y24-		10+00.00	12+50.00	993	0	0	993	82	0	82	98	0	895	0	895
-Y27-		12+50.00	15+50.00	1,392	0	0	1,392	157	0	157	188	0	1,204	0	1,204
-Y29-		15+00.00	35+50.00	12,311	350	0	12,311	4,221	0	4,221	5,065	0	7,246	350	7,596
-Y35-		11+50.00	12+00.00	22	0	0	22	1	0	1	1	0	21	0	21
-DWAY20-		11+50.00	12+75.00	90	0	0	90	43	0	43	52	0	38	0	38
-DWAY22-		10+25.00	10+75.00	43	0	0	43	7	0	7	8	0	35	0	35
WZTC PHASE III TOTAL				21,676	350	0	21,676	14,111	0	14,111	16,933	7,283	12,025	350	12,375
WZTC PHASE IV															
-L-	RT, MED	191+00.00	205+50.00	632	0	0	632	1,302	0	1,302	1,562	930	0	0	0
-L-	MED	216+50.00	219+50.00	0	0	0	0	355	0	355	426	426	0	0	0
-L1-	MED	10+60.00	18+00.00	6	0	0	6	757	0	757	908	902	0	0	0
-Y15-		11+00.00	14+50.00	1,856	0	0	1,856	128	0	128	154	0	1,702	0	1,702
WZTC PHASE IV TOTAL				2,494	0	0	2,494	2,542	0	2,542	3,050	2,259	1,702	0	1,702
WZTC PHASING SUBTOTAL				41,803	4,250	0	41,803	41,451	0	41,451	49,741	32,777	24,839	4,250	29,089
UNSUITABLE EXCAVATION				1,490		1,490								1,490	1,490
WASTE IN LIEU OF BORROW												-24,839	-24,839		-24,839
UTILITY AREA III TOTAL				**43,293**	**4,250**	**1,490**	**41,803**	**41,451**	**0**	**41,451**	**49,741**	**7,938**	**0**	**5,740**	**5,740**
REPLACE TOP SOIL ON BORROW PIT (5%)												397			
SHEET TOTAL				**43,293**	**4,250**	**1,490**	**41,803**	**41,451**	**0**	**41,451**	**49,741**	**8,335**	**0**	**5,740**	**5,740**
SAY				**43,300**	**4,250**							**8,400**			
PROJECT SUBTOTAL															
UTILITY AREA I				33,800	1,225	0	33,797	101,498		101,498	121,798	92,500		1,225	1,225
UTILITY AREA II				30,900	425	2,210	28,619	37,118		37,118	44,542	16,800		2,635	2,635
UTILITY AREA III				43,300	4,250	1,490	41,803	41,451		41,451	49,741	8,400		5,740	5,740
PROJECT TOTAL				**108,000**	**5,900**	**3,700**	**104,219**	**180,067**		**180,067**	**216,081**	**117,700**		**9,600**	**9,600**
LOSS DUE TO CLEARING AND GRUBBING				-24,500			-24,500					24,500			
ADDITIONAL UNDERCUT EXCAVATION					1,700			1,700		1,700	2,040	2,040		1,700	1,700
PDI UNDERCUT CONTINGENCY					9,000			9,000		9,000	10,800	10,800		9,000	9,000
GRAND TOTAL				**83,500**	**16,600**	**3,700**	**79,719**	**190,767**	**0**	**190,767**	**228,921**	**155,040**	**0**	**20,300**	**20,300**
SAY TOTAL				**83,500**	**16,600**							**155,100**			

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EST. DDE = 2,570 CUBIC YARDS
EST. SHALLOW UNDERCUT = 1,100 CUBIC YARDS
EST. UNCLASSIFIED EXCAVATION NOT FOR USE IN TOP 3 FEET = 11,155 CUBIC YARDS