

EARTHWORK - NEW WILKE ROAD

EARTHWORK CALCULATION - STAGE I NEW WILKE ROAD										
STATION	EXCAVATION (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL STRIP (UNSUITABLE) (SQ FT)	PGES (UNSUITABLE) (SQ FT)	EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	PGES (UNSUITABLE) (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%)	EARTHWORK BALANCE WASTE OR SHORTAGE (-)
STAGE TOTAL					1609	265	348	66	1370	1105
496+32.8	77	1	8	0	0	0	0	0	0	0
496+50.0	74	4	9	0	49	2	6	0	42	40
497+00.0	57	27	12	0	122	29	20	0	104	75
497+47.7	99	18	12	0	138	40	22	0	117	77
497+50.0	101	17	12	0	9	2	2	0	8	6
498+00.0	100	32	17	0	187	46	27	0	159	113
498+23.3	117	12	12	0	94	19	13	0	80	81
498+50.0	103	19	17	0	109	16	15	0	93	77
499+00.0	50	29	27	0	142	45	41	0	121	76
499+50.0	50	29	27	0	93	54	50	0	79	25
INTERSECTION										
500+50.0	48	4	14	19	0	0	0	0	0	0
501+00.0	48	4	14	19	89	8	26	36	76	88
501+50.0	50	0	13	13	91	4	25	30	77	73
502+00.0	37	0	9	0	81	0	21	0	69	69
502+50.0	38	0	14	0	70	0	22	0	60	60
502+94.4	40	0	3	0	65	0	14	0	55	55
503+00.0	41	0	3	0	9	0	1	0	8	8
503+50.0	44	0	7	0	79	0	10	0	67	67
504+00.0	40	0	7	0	78	0	13	0	66	66
504+50.0	39	0	8	0	74	0	14	0	63	63
504+70.0	40	0	8	0	30	0	6	0	28	28

EARTHWORK CALCULATION - STAGE II / III NEW WILKE ROAD										
STATION	EXCAVATION (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL STRIP (UNSUITABLE) (SQ FT)	PGES (UNSUITABLE) (SQ FT)	EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	PGES (UNSUITABLE) (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%)	EARTHWORK BALANCE WASTE OR SHORTAGE (-)
STAGE TOTAL					776	17	0	0	660	643
496+32.8	0	0	0	0	0	0	0	0	0	0
496+50.0	0	0	0	0	0	0	0	0	0	0
497+00.0	0	0	0	0	0	0	0	0	0	0
497+47.7	0	0	0	0	0	0	0	0	0	0
497+50.0	0	0	0	0	0	0	0	0	0	0
498+00.0	0	0	0	0	0	0	0	0	0	0
498+23.3	0	0	0	0	0	0	0	0	0	0
498+50.0	0	0	0	0	0	0	0	0	0	0
499+00.0	0	0	0	0	0	0	0	0	0	0
499+50.0	0	0	0	0	0	0	0	0	0	0
INTERSECTION										
500+50.0	28	2	0	0	0	0	0	0	0	0
501+00.0	28	2	0	0	52	4	0	0	44	40
501+50.0	29	1	0	0	53	3	0	0	45	42
502+00.0	40	0	0	0	64	1	0	0	54	53
502+50.0	47	4	0	0	81	4	0	0	69	65
502+94.4	111	0	0	0	130	4	0	0	111	107
503+00.0	110	0	0	0	23	0	0	0	20	20
503+50.0	46	0	0	0	145	0	0	0	123	123
504+00.0	49	0	0	0	89	0	0	0	75	75
504+50.0	57	0	0	0	99	0	0	0	84	84
504+70.0	53	1	0	0	41	1	0	0	35	34

DRIVEWAY SCHEDULE

STATION	LT/RT	EXISTING DRIVEWAY MATERIAL	DRIVEWAY REMOVAL AREA (SQ YD)	PROPOSED DRIVEWAY MATERIAL	PROPOSED DRIVEWAY AREA (SQ YD)	PE/CE
IL RTE 58 (GOLF ROAD)						
97+35.2	LT	HMA	108	HMA	64	CE
97+84.6	LT	HMA	109	HMA	77	CE
105+95.2	LT	HMA	257	HMA	105	CE
109+27.9	RT	CONC	265	CONC	165	CE
113+00.0	LT	CONC	290	CONC	235	CE
113+00.0	RT	CONC	328	CONC	315	CE
113+00.0	RT	HMA	833	HMA	775	CE
NEW WILKE ROAD						
497+47.9	LT	HMA	79	HMA	68	CE
498+23.4	LT	HMA	108	HMA	91	CE
502+37.0	LT	HMA	159	---	---	---
505+77.7	LT	CONC	234	HMA	216	CE
505+79.5	RT	HMA	240	HMA	188	CE
508+68.8	LT	HMA	79	HMA	65	CE
511+76.4	RT	HMA	147	HMA	129	CE
512+71.2	RT	HMA	76	HMA	65	CE
513+59.4	LT	HMA	76	HMA	66	CE
513+76.7	RT	CONC	84	CONC	64	CE
514+37.5	RT	CONC	47	CONC	47	CE
514+87.5	RT	HMA	63	HMA	58	CE
515+84.9	RT	CONC	39	CONC	38	CE
516+74.3	RT	CONC	45	CONC	45	CE
517+58.2	LT	CONC	29	CONC	29	CE
518+18.4	LT	HMA	43	HMA	32	CE

PIPE UNDERDRAINS SCHEDULE

STR NO.	STATION	OFFSET	LENGTH (FT)
S101	92+48.7	33.1' RT	89
S102	92+46.4	36.2' RT	177
S103	93+46.2	39.7' RT	94
S104	93+48.2	41.4' RT	159
S105	94+48.0	43.6' RT	66
S106	94+57.0	47.2' RT	54
S106	94+58.4	3.5' RT	50
S109	94+59.6	43.9' RT	242
S110	94+66.9	47.9' RT	197
S111	95+12.8	9.0' LT	150
S112	96+87.0	83.0' RT	142
S114	96+87.0	9.0' LT	142
S115	96+87.0	48.5' LT	144
S201	98+11.1	63.0' RT	115
S203	98+12.3	9.0' LT	91
S204	98+13.0	51.0' LT	110
S206	99+47.1	62.0' LT	18
S207	99+58.7	91.5' LT	40
S210	100+33.8	85.9' RT	39
S213	100+56.9	88.5' LT	44
S214	100+94.0	51.4' RT	239
S216	101+04.5	6.0' RT	140
S217	100+94.0	64.1' LT	242
S301	102+70.4	51.0' LT	179
S304	102+48.0	6.0' RT	96
S305	102+71.7	61.0' LT	185
S307	104+64.0	51.5' RT	194
S310	104+56.0	51.0' LT	194
S311	106+52.0	46.0' RT	196
S314	106+51.6	51.0' LT	189
S401	108+48.9	42.4' RT	174
S404	108+47.0	51.0' LT	179
S407	110+28.6	44.0' RT	198
S410	110+28.7	48.4' LT	196
S501	112+43.5	44.0' RT	229
S504	112+27.0	44.1' LT	171
S507	114+58.0	44.0' RT	194
S508	116+57.1	44.0' RT	47
S602	496+87.0	30.0' RT	43
S603	496+86.4	24.0' LT	50
S604	498+50.9	30.0' RT	103
S605	498+50.0	30.0' RT	56
S607	498+64.0	29.3' LT	44
S608	498+50.9	28.4' LT	194
S701	501+96.1	34.4' RT	110
S702	501+98.3	30.0' LT	146
S703	503+23.2	30.0' RT	74
S704	503+29.0	30.8' LT	65
S705	503+36.5	30.0' RT	175
S706	503+37.2	30.0' LT	135
S707	504+77.1	30.0' RT	145
S708	504+72.7	0.0' LT	150
S710	502+53.1	30.0' LT	90
S711	502+49.0	30.0' RT	50

EARTHWORK - TOWER ROAD

EARTHWORK CALCULATION - ALL WORK IN STAGE I TOWER ROAD										
STATION	EXCAVATION (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL STRIP (UNSUITABLE) (SQ FT)	PGES (UNSUITABLE) (SQ FT)	EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	PGES (UNSUITABLE) (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%)	EARTHWORK BALANCE WASTE OR SHORTAGE (-)
STAGE TOTAL					672	1	46	0	487	486
200+80.0	257	0	19	0	0	0	0	0	0	0
201+00.0	132	0	11	0	289	0	23	0	246	246
201+50.0	71	0	6	0	185	0	16	0	160	160
202+00.0	24	0	2	0	88	0	8	0	75	75
202+07.1	24	1	2	0	7	1	1	0	6	5

TREE / SHRUB PLANTING SCHEDULE

STATION	OFFSET	QUANTITY	PAY ITEM
91+75	60' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
92+00	50' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
92+40	50' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
92+50	65' LT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
92+90	85' LT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
93+30	65' LT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
94+70	70' LT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
95+10	70' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
95+50	70' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
97+00	70' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
104+80	62' LT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
92+85	60' RT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
96+00	80' RT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
498+85	45' LT	1 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
500+95	67' RT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
501+25	51' RT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
502+10	37' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
502+50	37' LT	1 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
AS DIRECTED BY ENGINEER		5 EA	A2004816 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED
AS DIRECTED BY ENGINEER		5 EA	A2008116 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED
AS DIRECTED BY ENGINEER		9 EA	C2000536 SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY), 3' HEIGHT, BALLED AND BURLAPPED
AS DIRECTED BY ENGINEER		12 EA	C2005624 SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2" WIDTH, CONTAINER

EARTHWORK - SUMMARY TABLE

STATION TO STATION	EARTH EXCAVATION (CU YD)			EMBANKMENT (CU YD)			EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) (CU YD)			EARTHWORK BALANCE WASTE OR SHORTAGE (-) (CU YD)				
	STG I	STG II / III	TOTAL	STG I	STG II / III	TOTAL	STG I	STG II / III	TOTAL	STG I	STG II / III	TOTAL		
GRAND TOTAL	8762	6784	15546	1397	2211	3608	7454	5769	13223	6057	3558	9615		
IL RTE 58 (GOLF RD)	83+13.50	117+08.00	4986	4049	9035	1023	2125	3148	4240	3442	7682	3217	1317	4534
NEW WILKE RD	496+32.80	508+37.64	3204	2735	5939	373	86	459	2727	2327	5054	2354	2241	4595
TOWER ROAD	200+80.00	202+07.14	572	0	572	1	0	1	487	0	48			