GRADING REPORT

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM
FEDERAL PROJECT NO: STP/NH-4(6)
ROUTE NO.: S.R. 4 (LAMAR AVENUE)

STATE NO.: 79020-3253-14
PIN:100340.00
COUNTY: SHELBY

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)
	EXC.	EMB.	EXC.
MAINLINE & WINCHESTER RAMPS	50722	186898	40578
SIDE ROADS	58843	32145	47075
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	104	3270	84
INDEPENDENT DITCHES	4255		3404
TEMPORARY CONSTRUCTION EXITS & BERMS	2240		1792
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)			
TOPSOIL (EMB.)	8715		
TOPSOIL (EXC.)	6135		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	131014	222313	131014	116164	92932

BALANCE SUMMARY

SHRINK = 20 % SWELL = 10 %

EMB.		EXC.
222313	VS.	-92932

AVAILABLE	=	129381
BORROW MATERIAL	=	155258

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (LF.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	LAMAR & WINCHESTER RAMPS										
50430	504+30	141	16								
50450	504+50	134	17			102	12	0	0	0	0
50500	505+00	125	18			240	32	0	0	0	0
50550	505+50	133	14			239	30	0	0	0	0
50600	506+00	135	14			248	26	0	0	0	0
50650	506+50	139	12			254	24	0	0	0	0
50700	507+00	140	11			258	21	0	0	0	0
50750	507+50	138	17			257	26	0	0	0	0
50800	508+00	124	15			243	30	0	0	0	0
50850	508+50	127	17			232	30	0	0	0	0
50900	509+00	185	12			289	27	0	0	0	0
50950	509+50	205	18			361	28	0	0	0	0
51000	510+00	270	34			440	48	0	0	0	0
51050	510+50	236	31			469	60	0	0	0	0
51100	511+00	204	15			407	43	0	0	0	0
51150	511+50	197	12			371	25	0	0	0	0
51200	512+00	200	7			368	18	0	0	0	0
51250	512+50	352	1			511	7	0	0	0	0
51300	513+00	869	4			1131	5	0	0	0	0
51350	513+50	1066	3			1792	6	0	0	0	0
51400	514+00	1193	6			2092	8	0	0	0	0
51450	514+50	906	4			1944	9	0	0	0	0
51500	515+00	276	3			1094	6	0	0	0	0
51550	515+50	265	3			501	6	0	0	0	0
51600	516+00	259	2			485	5	0	0	0	0
51650	516+50	256	4			477	6	0	0	0	0
51700	517+00	212	9			433	12	0	0	0	0
51750	517+50	181	9			364	17	0	0	0	0
51800	518+00	202	7			355	15	0	0	0	0
51850	518+50	184	9			357	15	0	0	0	0
51900	519+00	176	10			333	18	0	0	0	0
51950	519+50	164	10			315	19	0	0	0	0
52000	520+00	158	10			298	19	0	0	0	0
52050	520+50	160	346			294	330	0	0	0	0
52100	521+00	147	12			284	331	0	0	0	0
52150	521+50	146	15			271	25	0	0	0	0
52200	522+00	144	15			269	28	0	0	0	0
52250	522+50	139	15			262	28	0	0	0	0
52300	523+00	140	12			258	25	0	0	0	0
52350	523+50	159	12			277	22	0	0	0	0
52400	524+00	257	10			385	20	0	0	0	0
52450	524+50	226	10			447	19	0	0	0	0
52500	525+00	207	10			401	19	0	0	0	0
52550	525+50	190	16			368	24	0	0	0	0
52600	526+00	156	47			320	58	0	0	0	0
52650	526+50	147	79			281	117	0	0	0	0
52700	527+00	135	46			261	116	0	0	0	0
52750	527+50	130	28			245	69	0	0	0	0
52800	528+00	191	20			297	44	0	0	0	0
52850	528+50	187	18			350	35	0	0	0	0
52900	529+00	158	240			319	239	0	0	0	0
52950	529+50	143	379			279	573	0	0	0	0

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CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (LF.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
53000	530+00	134	453			256	770	0	0	0	0
53050	530+50	111	443			227	830	0	0	0	0
53100	531+00	89	545			185	915	0	0	0	0
53150	531+50	49	611			128	1070	0	0	0	0
53200	532+00	9	667			54	1183	0	0	0	0
53250	532+50	0	762			8	1323	0	0	0	0
53300	533+00	0	957			0	1592	0	0	0	0
53350	533+50	0	1193			0	1991	0	0	0	0
53400	534+00	0	0			0	1105	0	0	0	0
53450	534+50	0	0			0	0	0	0	0	0
53466	534+66	0	0			0	0	0	0	0	0
53500	535+00	0	0			0	0	0	0	0	0
53550	535+50	0	0			0	0	0	0	0	0
53600	536+00	0	0			0	0	0	0	0	0
53650	536+50	0	0			0	0	0	0	0	0
53700	537+00	0	0			0	0	0	0	0	0
53750	537+50	0	0			0	0	0	0	0	0
53800	538+00	0	0			0	0	0	0	0	0
53846	538+46	0	0			0	0	0	0	0	0
53850	538+50	0	0			0	0	0	0	0	0
53900	539+00	0	0			0	0	0	0	0	0
53950	539+50	1	88			1	81	0	0	0	0
54000	540+00	13	51			13	129	0	0	0	0
54050	540+50	36	33			45	78	0	0	0	0
54100	541+00	58	28			87	56	0	0	0	0
54150	541+50	78	21			126	45	0	0	0	0
54200	542+00	92	26			157	44	0	0	0	0
54250	542+50	96	31			174	53	0	0	0	0
54300	543+00	86	25			169	52	0	0	0	0
54350	543+50	79	35			153	56	0	0	0	0
54400	544+00	79	39			146	69	0	0	0	0
54450	544+50	73	33			141	67	0	0	0	0
54500	545+00	67	39			130	67	0	0	0	0
54550	545+50	72	41			129	74	0	0	0	0
54600	546+00	101	275			160	293	0	0	0	0
54650	546+50	98	350			184	579	0	0	0	0
54700	547+00	101	253			184	558	0	0	0	0
54750	547+50	133	190			217	410	0	0	0	0
54800	548+00	130	143			244	308	0	0	0	0
54850	548+50	122	174			233	294	0	0	0	0
54900	549+00	123	152			227	302	0	0	0	0
54950	549+50	110	115			216	247	0	0	0	0
55000	550+00	89	208			184	299	0	0	0	0
55050	550+50	129	176			202	356	0	0	0	0
55100	551+00	107	98			219	254	0	0	0	0
55150	551+50	161	62			248	148	0	0	0	0
55200	552+00	190	35			325	90	0	0	0	0
55250	552+50	108	88			276	114	0	0	0	0
55300	553+00	123	79			214	155	0	0	0	0
55350	553+50	160	60			262	129	0	0	0	0
55400	554+00	177	73			312	123	0	0	0	0

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STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (LF.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
55450	554+50	189	61			339	124	0	0	0	0
55500	555+00	276	0			431	56	0	0	0	0
55550	555+50	263	21			499	19	0	0	0	0
55600	556+00	235	37			461	54	0	0	0	0
55650	556+50	192	10			395	44	0	0	0	0
55700	557+00	250	14			409	22	0	0	0	0
55750	557+50	221	11			436	23	0	0	0	0
55800	558+00	202	10			392	19	0	0	0	0
55850	558+50	208	15			380	23	0	0	0	0
55900	559+00	72	54			259	64	0	0	0	0
55950	559+50	91	58			151	104	0	0	0	0
56000	560+00	54	86			134	133	0	0	0	0
56050	560+50	46	60			93	135	0	0	0	0
56100	561+00	44	95			83	144	0	0	0	0
56150	561+50	29	121			68	200	0	0	0	0
56200	562+00	9	160			35	260	0	0	0	0
56250	562+50	1	208			9	341	0	0	0	0
56300	563+00	3	273			4	445	0	0	0	0
56350	563+50	46	313			45	543	0	0	0	0
56400	564+00	69	480			106	734	0	0	0	0
56450	564+50	126	620			181	1019	0	0	0	0
56500	565+00	182	820			285	1333	0	0	0	0
56550	565+50	247	1045			397	1727	0	0	0	0
56600	566+00	336	1282			540	2155	0	0	0	0
56650	566+50	396	1611			678	2679	0	0	0	0
56700	567+00	461	1995			794	3339	0	0	0	0
56750	567+50	417	2323			813	3998	0	0	0	0
56800	568+00	364	2677			723	4630	0	0	0	0
56850	568+50	193	3114			516	5362	0	0	0	0
56900	569+00	13	3283			191	5923	0	0	0	0
56950	569+50	13	2669			24	5511	0	0	0	0
57000	570+00	207	2054			204	4373	0	0	0	0
57050	570+50	406	193			568	2081	0	0	0	0
57100	571+00	467	98			808	269	0	0	0	0
57150	571+50	179	1943			598	1890	0	0	0	0
57200	572+00	92	2960			251	4540	0	0	0	0
57250	572+50	39	3898			121	6350	0	0	0	0
57300	573+00	45	4062			78	7370	0	0	0	0
57350	573+50	1	3680			43	7169	0	0	0	0
57400	574+00	0	3601			1	6742	0	0	0	0
57450	574+50	11	3574			10	6644	0	0	0	0
57500	575+00	20	3721			29	6755	0	0	0	0
57550	575+50	14	3757			31	6924	0	0	0	0
57600	576+00	16	3735			28	6937	0	0	0	0
57650	576+50	30	3267			43	6483	0	0	0	0
57700	577+00	37	3307			62	6087	0	0	0	0
57750	577+50	30	3127			62	5957	0	0	0	0
57800	578+00	32	2867			57	5550	0	0	0	0
57850	578+50	38	2571			65	5035	0	0	0	0
57900	579+00	54	2292			85	4503	0	0	0	0
57950	579+50	53	2070			99	4039	0	0	0	0
58000	580+00	41	1805			87	3588	0	0	0	0
58050	580+50	41	1674			76	3221	0	0	0	0
58100	581+00	22	1417			58	2862	0	0	0	0

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STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d= **0**		IN-PLACE VOLUMES (Incl. Stripping)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (LF.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
58150	581+50	0	1151			20	2378	0	0	0	0
58200	582+00	0	945			0	1941	0	0	0	0
58250	582+50	0	709			0	1531	0	0	0	0
58300	583+00	0	545			0	1161	0	0	0	0
58350	583+50	0	593			0	1054	0	0	0	0
58400	584+00	0	195			0	730	0	0	0	0
58450	584+50	1	94			1	268	0	0	0	0
58500	585+00	52	11			49	97	0	0	0	0
58550	585+50	102	3			143	13	0	0	0	0
58600	586+00	137	1			221	4	0	0	0	0
58650	586+50	135	3			252	4	0	0	0	0
58700	587+00	117	4			233	6	0	0	0	0
58750	587+50	115	0			215	4	0	0	0	0
58800	588+00	118	0			216	0	0	0	0	0
58850	588+50	90	7			193	6	0	0	0	0
58900	589+00	92	7			169	13	0	0	0	0
58950	589+50	125	8			201	14	0	0	0	0
59000	590+00	119	10			226	17	0	0	0	0
59050	590+50	107	10			209	19	0	0	0	0
59100	591+00	113	12			204	20	0	0	0	0
59150	591+50	106	24			203	33	0	0	0	0
59200	592+00	107	18			197	39	0	0	0	0
59250	592+50	106	9			197	25	0	0	0	0
59300	593+00	100	10			191	18	0	0	0	0
59350	593+50	110	10			194	19	0	0	0	0
59400	594+00	115	12			208	20	0	0	0	0
59450	594+50	101	21			200	31	0	0	0	0
59500	595+00	99	28			185	45	0	0	0	0
59550	595+50	125	20			207	44	0	0	0	0
59600	596+00	114	805			221	764	0	0	0	0
59650	596+50	152	13			246	757	0	0	0	0
59700	597+00	124	11			256	22	0	0	0	0
59750	597+50	102	10			209	19	0	0	0	0
59800	598+00	175	8			256	17	0	0	0	0
59850	598+50	397	7			530	14	0	0	0	0
59900	599+00	123	7			481	13	0	0	0	0
59950	599+50	101	22			207	27	0	0	0	0
60000	600+00	103	14			189	33	0	0	0	0
60050	600+50	114	8			201	20	0	0	0	0
60100	601+00	145	6			240	13	0	0	0	0
60150	601+50	141	6			472	26	0	0	0	0
60184.91	601+84.91	138	11			180	11	0	0	0	0
						50722	186898	0	0	0	0

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STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	0	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Perkins/Raines												
1000	10+00	75	0										
1050	10+50	81	0			144	0	0	0	0	0	0	0
1100	11+00	129	0			194	0	0	0	0	0	0	0
1150	11+50	141	7			250	6	0	0	0	0	0	0
1200	12+00	142	66			262	68	0	0	0	0	0	0
1250	12+50	69	25			195	84	0	0	0	0	0	0
1300	13+00	32	55			94	74	0	0	0	0	0	0
1350	13+50	69	0			94	51	0	0	0	0	0	0
1400	14+00	70	25			129	23	0	0	0	0	0	0
1450	14+50	83	34			142	55	0	0	0	0	0	0
1500	15+00	117	22			185	52	0	0	0	0	0	0
1550	15+50	132	9			231	29	0	0	0	0	0	0
1600	16+00	139	13			251	20	0	0	0	0	0	0
1650	16+50	142	14			260	25	0	0	0	0	0	0
1693.15	16+93.15	128	14			216	22	0	0	0	0	0	0
1700	17+00	0	0			16	2	0	0	0	0	0	0
1750	17+50	0	0			0	0	0	0	0	0	0	0
1800	18+00	0	0			0	0	0	0	0	0	0	0
1850	18+50	0	0			0	0	0	0	0	0	0	0
1900	19+00	0	0			0	0	0	0	0	0	0	0
1945.16	19+45.16	0	0			0	0	0	0	0	0	0	0
1970.8	19+70.80	59	1334			28	633	0	0	0	0	0	0
2000	20+00	66	752			68	1128	0	0	0	0	0	0
2050	20+50	71	627			127	1277	0	0	0	0	0	0
2100	21+00	88	94			147	668	0	0	0	0	0	0
2150	21+50	93	101			168	181	0	0	0	0	0	0
2200	22+00	99	115			178	200	0	0	0	0	0	0
2250	22+50	84	88			169	188	0	0	0	0	0	0
2300	23+00	87	82			158	157	0	0	0	0	0	0
2350	23+50	103	51			176	123	0	0	0	0	0	0
2400	24+00	147	0			231	47	0	0	0	0	0	0
2450	24+50	107	62			235	57	0	0	0	0	0	0
2500	25+00	123	67			213	119	0	0	0	0	0	0
2550	25+50	124	241			229	285	0	0	0	0	0	0
2600	26+00	106	54			213	273	0	0	0	0	0	0
2650	26+50	96	32			187	80	0	0	0	0	0	0
						5190	5928	0	0	0	0		

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STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d= 0		IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Winchester												
8400	84+00	223	0										
8450	84+50	204	0			395	0	0	0	0	0	0	0
8500	85+00	191	0			366	0	0	0	0	0	0	0
8550	85+50	231	0			391	0	0	0	0	0	0	0
8600	86+00	335	0			524	0	0	0	0	0	0	0
8650	86+50	610	0			875	0	0	0	0	0	0	0
8700	87+00	633	0			1151	0	0	0	0	0	0	0
8750	87+50	825	0			1350	0	0	0	0	0	0	0
8800	88+00	1090	0			1773	0	0	0	0	0	0	0
8850	88+50	1463	0			2364	0	0	0	0	0	0	0
8900	89+00	1483	0			2728	0	0	0	0	0	0	0
8950	89+50	1513	0			2774	0	0	0	0	0	0	0
9000	90+00	1550	0			2836	0	0	0	0	0	0	0
9050	90+50	1491	0			2816	0	0	0	0	0	0	0
9100	91+00	1484	0			2755	0	0	0	0	0	0	0
9150	91+50	1468	0			2733	0	0	0	0	0	0	0
9200	92+00	1133	0			2408	0	0	0	0	0	0	0
9250	92+50	969	0			1946	0	0	0	0	0	0	0
9300	93+00	797	0			1635	0	0	0	0	0	0	0
9350	93+50	635	0			1326	0	0	0	0	0	0	0
9400	94+00	542	0			1090	0	0	0	0	0	0	0
9450	94+50	403	0			875	0	0	0	0	0	0	0
9500	95+00	323	0			672	0	0	0	0	0	0	0
9550	95+50	284	0			562	0	0	0	0	0	0	0
9600	96+00	285	0			527	0	0	0	0	0	0	0
9650	96+50	185	0			435	0	0	0	0	0	0	0
9700	97+00	150	0			310	0	0	0	0	0	0	0
						37618	0	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	0	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Clearpool B												
12100	121+00	51	2										
12150	121+50	52	15			95	16	0	0	0	0	0	0
12165	121+65	46	18			27	9	0	0	0	0	0	0
						123	25	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	0	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Getwell												
14375	143+75	0	85										
14400	144+00	110	4			51	41	0	0	0	0	0	0
14450	144+50	103	7			197	10	0	0	0	0	0	0
14500	145+00	75	597			165	559	0	0	0	0	0	0
14550	145+50	31	718			98	1218	0	0	0	0	0	0
14600	146+00	3	808			31	1413	0	0	0	0	0	0
14650	146+50	1	799			4	1488	0	0	0	0	0	0
14683.91	146+83.91	0	0			1	502	0	0	0	0	0	0
14700	147+00	0	0			0	0	0	0	0	0	0	0
14800	148+00	0	0			0	0	0	0	0	0	0	0
14900	149+00	0	0			0	0	0	0	0	0	0	0
14933.91	149+33.91	0	0			0	0	0	0	0	0	0	0
14949.41	149+49.41	3	494			1	142	0	0	0	0	0	0
15000	150+00	3	430			6	866	0	0	0	0	0	0
15050	150+50	13	324			15	698	0	0	0	0	0	0
15100	151+00	40	301			49	579	0	0	0	0	0	0
15150	151+50	83	195			114	459	0	0	0	0	0	0
15200	152+00	141	44			207	221	0	0	0	0	0	0
15260	152+60	0	0			157	49	0	0	0	0	0	0
						1044	8203	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	South Access												
30109.01	301+09.01	379	0										
30125	301+25	382	0			225	0	0	0	0	0	0	0
30150	301+50	361	0			344	0	0	0	0	0	0	0
30175	301+75	380	0			343	0	0	0	0	0	0	0
30200	302+00	395	0			359	0	0	0	0	0	0	0
30227.79	302+27.79	406	0			412	0	0	0	0	0	0	0
30262.78	302+62.78	154	0			363	0	0	0	0	0	0	0
						2046	0	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

FEDERAL PROJ. STP/NH-4(6) Shelby County STATE NO.: 79020-3253-14
S.R. 4 (LAMAR AVENUE) PIN:100340.00

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	North Access												
23035.34	230+35.34	51	2										
23075	230+75	44	0			70	1	0	0	0	0	0	0
23100	231+00	44	1			41	0	0	0	0	0	0	0
23150	231+50	41	6			79	6	0	0	0	0	0	0
23200	232+00	117	0			146	6	0	0	0	0	0	0
23250	232+50	170	0			266	0	0	0	0	0	0	0
23300	233+00	155	0			301	0	0	0	0	0	0	0
23350	233+50	100	0			236	0	0	0	0	0	0	0
23400	234+00	86	0			172	0	0	0	0	0	0	0
23450	234+50	92	0			165	0	0	0	0	0	0	0
23500	235+00	165	0			238	0	0	0	0	0	0	0
23543.96	235+43.96	235	0			326	0	0	0	0	0	0	0
23600	236+00	318	0			574	0	0	0	0	0	0	0
23650	236+50	330	0			600	0	0	0	0	0	0	0
23693.96	236+93.96	340	0			545	0	0	0	0	0	0	0
23750	237+50	376	0			743	0	0	0	0	0	0	0
23800	238+00	480	0			793	0	0	0	0	0	0	0
23850	238+50	642	0			1039	0	0	0	0	0	0	0
23900	239+00	726	0			1267	0	0	0	0	0	0	0
23950	239+50	499	0			1134	0	0	0	0	0	0	0
23966.28	239+66.28	503	0			302	0	0	0	0	0	0	0
23996.76	239+96.76	170	0			380	0	0	0	0	0	0	0
						9416	14	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)	RAW VOLUMES (Before Strip)	STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp A1												
1550	15+50	35	0										
1600	16+00	28	0			58	0	0	0	0	0	0	0
1650	16+50	19	2			44	2	0	0	0	0	0	0
1700	17+00	22	0			38	2	0	0	0	0	0	0
1750	17+50	19	1			38	1	0	0	0	0	0	0
1800	18+00	6	22			23	21	0	0	0	0	0	0
1850	18+50	0	147			6	156	0	0	0	0	0	0
1900	19+00	0	309			0	422	0	0	0	0	0	0
1950	19+50	0	239			0	507	0	0	0	0	0	0
1980	19+80	100	11			56	139	0	0	0	0	0	0
						262	1251	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d= **0**		IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp C1												
1094.11	10+94.11	14	350										
1100	11+00	15	384			3	80	0	0	0	0	0	0
1150	11+50	0	231			14	569	0	0	0	0	0	0
1159.12	11+59.12	0	211			0	75	0	0	0	0	0	0
1200	12+00	0	563			0	586	0	0	0	0	0	0
1250	12+50	0	588			0	1066	0	0	0	0	0	0
1300	13+00	0	517			0	1023	0	0	0	0	0	0
1350	13+50	0	498			0	940	0	0	0	0	0	0
1400	14+00	0	379			0	812	0	0	0	0	0	0
1450	14+50	0	251			0	583	0	0	0	0	0	0
1500	15+00	3	150			3	371	0	0	0	0	0	0
1550	15+50	39	152			39	280	0	0	0	0	0	0
1600	16+00	32	174			66	302	0	0	0	0	0	0
1650	16+00	49	143			75	294	0	0	0	0	0	0
1700	17+00	66	102			106	227	0	0	0	0	0	0
1750	17+50	112	0			165	94	0	0	0	0	0	0
1800	18+00	153	0			245	0	0	0	0	0	0	0
1850	18+50	156	0			286	0	0	0	0	0	0	0
1879.77	18+79.77	145	0			166	0	0	0	0	0	0	0
1900	19+00	132	0			104	0	0	0	0	0	0	0
1950	19+50	110	0			224	0	0	0	0	0	0	0
1995	19+95	98	0			173	0	0	0	0	0	0	0
						1669	7302	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d= **0**		IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp C1A												
617	6+17	39	40										
650	6+50	32	2			43	26	0	0	0	0	0	0
700	7+00	1	304			31	283	0	0	0	0	0	0
						74	309	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp C2A												
2850	28+50	117	0										
2900	29+00	123	0			222	0	0	0	0	0	0	0
2950	29+50	130	0			234	0	0	0	0	0	0	0
2979.42	29+79.42	126	0			139	0	0	0	0	0	0	0
3000	30+00	120	0			94	0	0	0	0	0	0	0
3050	30+50	72	0			178	0	0	0	0	0	0	0
3100	31+00	12	39			78	36	0	0	0	0	0	0
3150	31+50	2	213			13	233	0	0	0	0	0	0
3200	32+00	0	318			2	492	0	0	0	0	0	0
3250	32+50	0	401			0	666	0	0	0	0	0	0
3300	33+00	2	379			2	722	0	0	0	0	0	0
3339.56	33+39.56	2	334			3	522	0	0	0	0	0	0
3350	33+50	2	331			1	129	0	0	0	0	0	0
3400	34+00	2	403			4	680	0	0	0	0	0	0
3450	34+50	2	321			4	670	0	0	0	0	0	0
3500	35+00	2	416			4	682	0	0	0	0	0	0
3535.53	35+35.53	0	717			1	745	0	0	0	0	0	0
3550	35+50	0	138			0	229	0	0	0	0	0	0
3600	36+00	43	17			40	144	0	0	0	0	0	0
3619.64	36+19.64	99	0			52	6	0	0	0	0	0	0
						1070	5957	0	0	0	0		

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CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d= **0**		IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp C2A												
3550	35+50	0	842										
3600	36+00	20	943			19	1653	0	0	0	0	0	0
3634.24	36+34.24	42	754			39	1076	0	0	0	0	0	0
						58	2729	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp D												
693.42	6+93.42	64	14										
700	7+00	63	6			15	2	0	0	0	0	0	0
725	7+25	53	54			54	28	0	0	0	0	0	0
						69	30	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d= **0**		IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	Ramp F1												
700	7+00	155	258										
750	7+50	67	171			206	397	0	0	0	0	0	0
						206	397	0	0	0	0		

COMPUTED BY: MICHAEL MARIE
CHECKED BY: HAK LIM

STA.	STA.	END AREA		STRIPPING		RAW VOLUMES (After Strip)		STRIPPING VOLUMES Strip d=	**0**	IN-PLACE VOLUMES (Incl. Stripping)		CUM. VOLUMES (Shrinkage NOT applied)	
		CUT (S.F.)	FILL (S.F.)	CUT (L.F.)	FILL (L.F.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)	CUT (C.Y.)	FILL (C.Y.)
	INDEPENDENT DITCH												
000	0+00	56	0	27	0								
050	0+50	94	0	37	0	139	0	0	0	0	0	0	0
100	1+00	158	0	48	0	233	0	0	0	0	0	0	0
150	1+50	186	0	49	0	319	0	0	0	0	0	0	0
200	2+00	204	0	51	0	361	0	0	0	0	0	0	0
250	2+50	152	0	45	0	330	0	0	0	0	0	0	0
300	3+00	167	0	48	0	295	0	0	0	0	0	0	0
350	3+50	186	0	49	0	327	0	0	0	0	0	0	0
400	4+00	197	0	48	0	355	0	0	0	0	0	0	0
450	4+50	168	0	49	0	338	0	0	0	0	0	0	0
500	5+00	180	0	49	0	322	0	0	0	0	0	0	0
550	5+50	194	0	50	0	346	0	0	0	0	0	0	0
600	6+00	219	0	54	0	382	0	0	0	0	0	0	0
650	6+50	186	0	49	0	375	0	0	0	0	0	0	0
675.85	6+75.85	92	0	33	0	133	0	0	0	0	0	0	0
						4255	0	0	0	0	0		

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CHECKED BY: HAK LIM