

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	21+90.00	530.79	95.7467	2.90%				
		22+00.00	531.08						
		22+50.00	532.53						
Symmetrical Parabola	PVC	22+85.75	533.56	300	2.90%	1.11%	167.548	-0.6715	
		23+00.00	533.97						
		23+50.00	535.30						
		24+00.00	536.48						
	PVI	24+35.75	537.91						
		24+50.00	537.52						
		25+00.00	538.40						
		25+50.00	539.14						
	PVT	25+85.75	539.57						
	PVT	25+85.75	539.57						
Linear		26+00.00	539.73	480.3145	1.11%				
		26+50.00	540.28						
		27+00.00	540.84						
		27+50.00	541.39						
		28+00.00	541.95						
		28+50.00	542.50						
		29+00.00	543.05						
		29+50.00	543.61						
		30+00.00	544.16						
		30+50.00	544.72						
	PVC	30+66.06	544.89						
	PVC	30+66.06	544.89						
	Symmetrical Parabola		31+00.00						
		31+50.00	545.55						
		32+00.00	545.67						
VHIGH		32+06.45	545.67						
		32+50.00	545.60						
PVI		32+76.06	547.22						
		33+00.00	545.33						
		33+50.00	544.86						
		34+00.00	544.19						
		34+50.00	543.33						
PVT	34+86.06	542.59							
PVT	34+86.06	542.59							
Linear		35+00.00	542.28	185.4243	-2.21%				
		35+50.00	541.18						
		36+00.00	540.07						
		36+50.00	538.97						
	PVC	36+71.49	538.49						
Symmetrical Parabola	PVC	36+71.49	538.49	455	-2.21%	4.90%	64.0214	4.0421	
		37+00.00	537.93						
		37+50.00	537.24						
		38+00.00	536.95						
	VLOW	38+12.78	536.93						
		38+50.00	537.04						
	PVI	38+98.99	533.47						
		39+00.00	537.53						
		39+50.00	538.41						
		40+00.00	539.67						
		40+50.00	541.33						
		41+00.00	543.38						
	PVT	41+26.49	544.62						
PVT	41+26.49	544.62							
Linear		41+50.00	545.77	373.3321	4.90%				
		42+00.00	548.22						
		42+50.00	550.67						
		43+00.00	553.12						
		43+50.00	555.57						
		44+00.00	558.02						
		44+50.00	560.47						
	PVC	44+99.82	562.91						
Symmetrical Parabola	PVC	44+99.82	562.91	510	4.90%	-4.55%	53.9845	-6.0226	341.3426
		45+00.00	562.92						
		45+50.00	565.14						
		46+00.00	566.89						
		46+50.00	568.18						
		47+00.00	569.01						
		47+50.00	569.38						
	PVI	47+54.82	575.41						
	VHIGH	47+64.34	569.39						
		48+00.00	569.28						
		48+50.00	568.72						
		49+00.00	567.69						
		49+50.00	566.20						
		50+00.00	564.25						
	PVT	50+09.82	563.81						
	PVT	50+09.82	563.81						
	Linear		50+50.00						
		51+00.00	559.71						
		51+50.00	557.44						
PVC		51+67.83	556.63						
		51+67.83	556.63						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD							
Symmetrical Parabola	PVC	51+67.83	556.63	460	-4.55%	3.92%	54.321	4.8692								
		52+00.00	555.26													
		52+50.00	553.51													
		53+00.00	552.23													
		53+50.00	551.40													
	PVI	53+97.83	546.17													
		54+00.00	551.03													
	VLOW	54+14.84	551.01													
		54+50.00	551.13													
		55+00.00	551.68													
		55+50.00	552.69													
		56+00.00	554.17													
	PVT	56+27.83	555.19													
	PVT	56+27.83	555.19													
	Linear		56+50.00							556.06	24.7736	3.92%				
		PVC	56+52.61							556.16						
		PVC	56+52.61							556.16						
Symmetrical Parabola		57+00.00	557.95	550	3.92%	0.81%	176.791	-2.1388								
		57+50.00	559.71													
		58+00.00	561.32													
		58+50.00	562.80													
		59+00.00	564.13													
	PVI	59+27.61	566.94													
		59+50.00	565.32													
		60+00.00	566.37													
		60+50.00	567.28													
		61+00.00	568.04													
		61+50.00	568.67													
		62+00.00	569.15													
	PVT	62+02.61	569.17													
	PVT	62+02.61	569.17													
	Linear		62+50.00							569.55	182.3886	0.81%				
			63+00.00							569.96						
			63+50.00							570.36						
PVC		63+84.99	570.65													
PVC		63+84.99	570.65													
Symmetrical Parabola		64+00.00	570.78	290	0.81%	2.89%	139.43	0.754								
		64+50.00	571.33													
		65+00.00	572.05													
	PVI	65+29.99	571.82													
		65+50.00	572.96													
		66+00.00	574.05													
		66+50.00	575.31													
	PVRC	66+74.99	576.01													
Symmetrical Parabola	PVRC	66+74.99	576.01	100	2.89%	1.87%	97.8029	-0.1278								
	PVI	67+24.99	577.46													
	PVI	67+50.00	577.89													
Linear	PVT	67+74.99	578.39	1.9357	1.87%											
	PVT	67+74.99	578.39													
	PVC	67+76.93	578.43													
Symmetrical Parabola	PVC	67+76.93	578.43	150	1.87%	2.51%	233.577	0.1204								
		68+00.00	578.87													
		68+50.00	579.91													
	PVI	68+51.93	579.83													
		69+00.00	581.05													
	PVT	69+26.93	581.71													
	PVT	69+26.93	581.71													
		69+50.00	582.29													
		70+00.00	583.54													
		70+50.00	584.80													
		71+00.00	586.05													
		71+50.00	587.31													
		72+00.00	588.56													
		72+50.00	589.82													
		73+00.00	591.07													
	Linear		73+50.00							592.33	955.021	2.51%				
			74+00.00							593.58						
		74+50.00	594.84													
		75+00.00	596.09													
		75+50.00	597.35													
		76+00.00	598.60													
		76+50.00	599.86													
		77+00.00	601.11													
		77+50.00	602.37													
		78+00.00	603.62													
		78+50.00	604.88													
PVC		78+81.95	605.68													

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD							
Symmetrical Parabola	PVC	78+81.95	605.68	400	2.51%	5.79%	121.853	1.6413								
		79+00.00	606.14													
		79+50.00	607.58													
		80+00.00	609.21													
		80+50.00	611.05													
	PVI	80+81.95	610.70													
		81+00.00	613.10													
		81+50.00	615.35													
		82+00.00	617.81													
		82+50.00	620.47													
	PVT	82+81.95	622.28													
	PVT	82+81.95	622.28													
	Linear		83+00.00							623.33	559.4365	5.79%				
		83+50.00	626.22													
		84+00.00	629.12													
		84+50.00	632.01													
		85+00.00	634.91													
		85+50.00	637.81													
		86+00.00	640.70													
		86+50.00	643.60													
		87+00.00	646.50													
		87+50.00	649.39													
		88+00.00	652.29													
PVC		88+41.39	654.69													
Symmetrical Parabola		PVC	88+41.39	654.69	400	5.79%	8.95%	126.673	1.5789							
		88+50.00	655.19													
		89+00.00	658.22													
		89+50.00	661.44													
		90+00.00	664.87													
	PVI	90+41.39	666.27													
		90+50.00	668.49													
		91+00.00	672.30													
		91+50.00	676.32													
		92+00.00	680.53													
Linear	PVT	92+41.39	684.17	26.6067	8.95%											
	PVT	92+41.39	684.17													
	PVC	92+67.99	686.55													
Symmetrical Parabola	PVC	92+67.99	686.55	200	8.95%	-9.77%	10.6849	-4.6795	151.8589							
		93+00.00	688.94													
		93+50.00	690.74													
	VHIGH	93+63.62	690.83													
	PVI	93+67.99	695.50													
		94+00.00	690.21													
		94+50.00	687.34													
Linear	PVT	94+67.99	685.73	98.7217	-9.77%											
	PVT	94+67.99	685.73													
		95+00.00	682.61													
		95+50.00	677.72													
	PVC	95+66.72	676.09													
Symmetrical Parabola	PVC	95+66.72	676.09	300	-9.77%	-1.84%	37.8371	2.9733								
		96+00.00	672.98													
		96+50.00	668.87													
		97+00.00	665.42													
	PVI	97+16.72	661.44													
		97+50.00	662.63													
		98+00.00	660.49													
		98+50.00	659.02													
	PVT	98+66.72	658.68													
	PVT	98+66.72	658.68													
		99+00.00	658.07													
		99+50.00	657.15													
	Linear		100+00.00							656.23	389.308	-1.84%				
		100+50.00	655.31													
		101+00.00	654.39													
		101+50.00	653.47													
		102+00.00	652.55													
		102+50.00	651.63													
PVC		102+56.02	651.52													
PVC		102+56.02	651.52													
Symmetrical Parabola		VLOW	102+89.94	651.21	120	-1.84%	4.67%	18.4402	0.9761							
			103+00.00	651.23												
		PVI	103+16.02	650.41												
			103+50.00	652.18												
		PVT	103+76.02	653.22												
	PVT	103+76.02	653.22													
Linear		104+00.00	654.33	44.0772	4.67%											
	PVC	104+20.10	655.27													



VERTICAL ALIGNMENT TABLE SHEET #6

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats06.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 133 OF 387