

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	56+66.78	437.45	550	-2.60%	0.08%	205.027	1.8443	
		57+00.00	436.61						
		57+50.00	435.45						
		58+00.00	434.42						
		58+50.00	433.50						
		59+00.00	432.71						
	PVI	59+41.78	430.30						
		59+50.00	432.04						
		60+00.00	431.49						
		60+50.00	431.07						
		61+00.00	430.76						
		61+50.00	430.58						
	VLOW	61+99.86	430.52						
		62+00.00	430.52						
	PVT	62+16.78	430.52						
Linear		62+50.00	430.55	762.145	0.08%				
		63+00.00	430.59						
		63+50.00	430.63						
		64+00.00	430.68						
		64+50.00	430.72						
		65+00.00	430.76						
		65+50.00	430.80						
		66+00.00	430.84						
		66+50.00	430.88						
		67+00.00	430.92						
		67+50.00	430.96						
		68+00.00	431.01						
		68+50.00	431.05						
		69+00.00	431.09						
		69+50.00	431.13						
Symmetrical Parabola	PVC	69+78.93	431.15	300	0.08%	2.56%	121.093	0.929	
		70+00.00	431.19						
		70+50.00	431.42						
	PVI	71+28.93	431.28						
		71+50.00	432.50						
Linear		72+00.00	433.35	65.9034	2.56%				
		72+50.00	434.41						
	PVT	72+78.93	435.12						
		73+00.00	435.66						
	PVC	73+44.83	436.81						
Symmetrical Parabola	PVC	73+44.83	436.81	450	2.56%	-2.41%	90.5381	-2.7958	442.0502
		73+50.00	436.94						
		74+00.00	438.05						
		74+50.00	438.89						
		75+00.00	439.45						
		75+50.00	439.73						
	PVI	75+69.83	442.57						
	VHIGH	75+76.61	439.77						
		76+00.00	439.74						
		76+50.00	439.47						
Linear		77+00.00	438.93	92.2141	-2.41%				
		77+50.00	438.11						
	PVT	77+94.83	437.14						
		78+00.00	437.02						
	PVC	78+87.05	434.92						
Symmetrical Parabola	PVC	78+87.05	434.92	1050	-2.41%	1.37%	277.724	4.9622	
		79+00.00	434.61						
		79+50.00	433.47						
		80+00.00	432.43						
		80+50.00	431.47						
		81+00.00	430.60						
		81+50.00	429.83						
		82+00.00	429.14						
		82+50.00	428.54						
		83+00.00	428.04						
		83+50.00	427.62						
		84+00.00	427.29						
	PVI	84+12.05	422.27						
		84+50.00	427.06						
		85+00.00	426.91						
Linear		85+50.00	426.85	9.1155	1.37%				
	VLOW	85+56.44	426.85						
		86+00.00	426.89						
		86+50.00	427.01						
		87+00.00	427.22						
		87+50.00	427.53						
		88+00.00	427.92						
		88+50.00	428.40						
		89+00.00	428.98						
	PVT	89+37.05	429.46						
Linear	PVT	89+37.05	429.46						
	PVC	89+46.16	429.59						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	89+46.16	429.59	280	1.37%	-0.59%	142.872	-0.6859	690.6441
		89+50.00	429.64						
		90+00.00	430.22						
		90+50.00	430.63						
	PVI	90+86.16	431.50						
		91+00.00	430.87						
	VHIGH	91+41.96	430.93						
		91+50.00	430.92						
		92+00.00	430.81						
		92+26.16	430.68						
Linear	PVT	92+26.16	430.68	85.5485	-0.59%				
		92+50.00	430.54						
		93+00.00	430.24						
	PVC	93+11.71	430.17						
Symmetrical Parabola	PVC	93+11.71	430.17	200	-0.59%	-0.02%	351.28	0.1423	
		93+50.00	429.97						
		94+00.00	429.77						
	PVI	94+11.71	429.59						
Linear		94+50.00	429.63	95.7068	-0.02%				
		95+00.00	429.57						
	PVT	95+11.71	429.57						
		95+50.00	429.56						
Symmetrical Parabola		96+00.00	429.55	400	-0.02%	6.38%	62.4626	3.2019	
	PVC	96+07.42	429.55						
		96+50.00	429.68						
	VLOW	96+08.67	429.55						
		97+00.00	430.21						
		97+50.00	431.14						
		98+00.00	432.48						
	PVI	98+07.42	429.51						
		98+50.00	434.21						
		99+00.00	436.34						
Linear		99+50.00	438.87	88.2937	6.38%				
	PVT	100+07.42	442.27						
		100+50.00	444.99						
	PVC	100+95.71	447.91						
Symmetrical Parabola	PVC	100+95.71	447.91	625	6.38%	-4.07%	59.7661	-8.1699	359.1563
		101+00.00	448.18						
		101+50.00	451.13						
		102+00.00	453.66						
		102+50.00	455.77						
		103+00.00	457.46						
		103+50.00	458.73						
		104+00.00	459.59						
	PVI	104+08.21	467.86						
	VHIGH	104+50.00	460.03						
Linear		104+77.25	460.09	87.4807	-4.07%				
		105+00.00	460.05						
		105+50.00	459.65						
		106+00.00	458.83						
		106+50.00	457.59						
		107+00.00	455.94						
	PVT	107+20.71	455.13						
		107+50.00	453.94						
	PVC	108+08.19	451.57						
		108+50.00	449.98						
Symmetrical Parabola		109+00.00	448.39	580	-4.07%	3.65%	75.0945	5.5996	
		109+50.00	447.13						
		110+00.00	446.20						
		110+50.00	445.61						
	PVI	110+98.19	439.75						
		111+00.00	445.35						
	VLOW	111+14.10	445.34						
		111+50.00	445.42						
		112+00.00	445.83						
		112+50.00	446.57						
Linear		113+00.00	447.64	128.6723	3.65%				
		113+50.00	449.04						
	PVT	113+88.19	450.34						
		114+00.00	450.77						
Symmetrical Parabola		114+50.00	452.59	225	3.65%	1.71%	115.901	-0.546	
		115+00.00	454.42						
		115+50.00	455.03						
	PVI	115+16.86	455.03						
		116+00.00	456.20						
		116+50.00	457.77						
		117+00.00	459.13						
		117+50.00	460.27						
	PVT	117+41.86	461.06						
		118+00.00	462.27						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/H
Linear	PVT	117+41.86	461.06	272.28	1.71%				
		117+50.00	461.20						
		118+00.00	462.06						
		118+50.00	462.91						
		119+00.00	463.76						
		119+50.00	464.62						
		120+00.00	465.47						
Symmetrical Parabola	PVC	120+14.14	465.71	440	1.71%	6.05%	101.399	2.3866	
		120+50.00	466.39						
		121+00.00	467.55						
		121+50.00	468.95						
		122+00.00	470.59						
		122+34.14	469.47						
	PVI	122+50.00	472.49						
		123+00.00	474.63						
		123+11.16							
		0+00.00							
Linear		0+00.00	475.14	70.1597	6.05%				
		0+50.00	477.58						
		1+00.00	480.27						
	PVT	1+42.98	482.78						
		1+50.00	483.20						
Symmetrical Parabola		2+00.00	486.23	570	6.05%	-3.94%	57.0686	-7.1164	350.95
	PVC	2+13.14	487.02						
		2+50.00	489.13						
		3+00.00	491.61						
		3+50.00	493.66						
		4+00.00	495.26						
		4+50.00	496.43						
	PVI	4+98.14	504.26						
		5+00.00	497.16						
	VHIGH	5+58.29	497.46						
Linear		6+00.00	497.31	141.8749	-3.94%				
		6+50.00	496.72						
		7+00.00	495.70						
		7+50.00	494.24						
	PVT	7+83.14	493.03						
		8+00.00	492.37						
		8+50.00	490.40						
		9+00.00	488.43						
	PVC	9+25.02	487.44						
		9+50.00	487.44						
Symmetrical Parabola		9+50.00	486.51	670	-3.94%	7.25%	59.8749	9.3716	
		10+00.00	484.96						
		10+50.00	483.82						
		11+00.00	483.10						
		11+50.00	482.80						
	VLOW	11+60.93	482.79						
		12+00.00	482.92						
		12+50.00	483.46						
	PVI	12+60.02	474.24						
		13+00.00	484.41						
Linear		13+50.00	485.78	94.9806	7.25%				
		14+00.00	487.57						
		14+50.00	489.77						
		15+00.00	492.39						
		15+50.00	495.43						
	PVT	15+95.02	498.53						
		16+00.00	498.89						
		16+50.00	502.52						
	PVC	16+90.00	505.42						
		17+00.00	506.14						
Symmetrical Parabola		17+50.00	509.61	500	7.25%	2.90%	114.905	-2.7196	
		18+00.00	512.86						
		18+50.00	515.90						
		19+00.00	518.72						
	PVI	19+40.00	523.54						
		19+50.00	521.32						
		20+00.00	523.71						
		20+50.00	525.88						
		21+00.00	527.83						
	PVT	21+90.00	530.79						

<b>VERTICAL ALIGNMENT TABLE SHEET #5</b>	PROJECT NAME: CAMBRIDGE-BAKERSFIELD	PLOT DATE: 11/15/2012
	PROJECT NUMBER: STP 2926(I)	DRAWN BY: STANTEC
	FILE NAME: p10b258.dgn	CHECKED BY: STANTEC
	DESIGNED BY: STANTEC	SHEET 132 OF 387
	<b>IPARM FILE: p10b258vats05.i</b>	

