

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

Survey Automation System

Survey File : H:\31919\31919.NEW Control Points Listing

Point	X Coord	Y Coord	Z Coord	Description
1	1966775.98530	1117469.81968	559.06573	CP 1 8 INCH NAIL
2	1967326.71865	1117687.47365	543.84259	CP 2 8 INCH NAIL
3	1967897.17240	1117915.38227	540.51123	CP 3 8 INCH NAIL
4	1968420.07393	1117906.82808	536.37915	CP 4 8 INCH NAIL
5	1969233.69403	1117872.67987	549.93701	CP 5 8 IN NAIL
6	1966770.74002	1117448.11662	0.00000	POT (50+00.00)
7	1967698.06864	1117822.70331	0.00000	POT 60+00.1268 Beg.Brdg.
8	1967825.19439	1117874.05470	0.00000	POT 61+37.2323
9	1967849.46980	1117883.86055	0.00000	PC 61+63.4134
10	1967879.21004	1117895.04132	0.00000	POC 61+95.1890 End Brdg.
11	1967979.83839	1117936.52186	0.00000	PI 63+04.0163
12	1968120.33065	1117930.94451	0.00000	PT 64+40.4022
14	1968371.35145	1117920.97934	0.00000	POT 66+91.6207
15	1969279.01578	1117884.94633	0.00000	POT 76+00.0000
16	1967851.73902	1118370.23205	0.00000	POT (20+00.00)
17	1967911.36937	1118327.65965	0.00000	PI 20+73.2679
18	1967931.05389	1118187.54038	0.00000	PI 22+14.7631
19	1967834.03777	1118079.96263	0.00000	PI 23+59.6255
20	1967804.80991	1117934.87222	0.00000	PI 25+07.6305
21	1967825.19439	1117874.05470	0.00000	PI 25+71.7733
22	1967849.81449	1117800.60011	0.00000	PI 26+49.2441
23	1967729.30536	1117553.65464	0.00000	PI 29+24.0250
24	1967830.80178	1117465.42308	0.00000	POT 30+58.5104
25	1968371.35145	1117920.97934	0.00000	POT (10+00.00)
26	1968473.95118	1118208.63210	0.00000	POT 13+05.4027
27	1967095.88480	1117556.76352	555.03198	BM 1 14IN OAK
28	1968368.22550	1117949.20094	535.01001	BM 2 20IN OAK
29	1969205.66137	1117915.64000	550.03400	BM 3 20IN OAK
30	1968858.17293	1117901.65322	0.00000	POT (10+00.0000)
31	1968970.11637	1118056.16781	0.00000	POT 11+90.8038

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Description of Alignment #: 1 ROAD S-103

LINE ELEMENT

	Point	X	Y	Z	STA
BP	6	1966770.74	1117448.12	0	50+0.00
EP	7	1967698.07	1117822.7	0	60+0.10

Length = 1000.127 Bearing = N68°0'14.99"E

LINE ELEMENT

	Point	X	Y	Z	STA
BP	7	1967698.07	1117822.7	0	60+0.10
EP	8	1967825.19	1117874.05	0	61+37.20

Length = 137.106 Bearing = N68°0'14.99"E

LINE ELEMENT

	Point	X	Y	Z	STA
BP	8	1967825.19	1117874.05	0	61+37.20
EP	9	1967849.47	1117883.86	0	61+63.40

Length = 26.181 Bearing = N68°0'14.99"E

CURVE ELEMENT

	Point	X	Y	Z	STA
PC	9	1967849.47	1117883.86	0	61+63.41
PI	11	1967979.84	1117936.52	0	63+4.02
PT	12	1968120.33	1117930.94	0	64+40.40
CC	00	1968094.391	1117277.532		

Radius	=	653.927	Delta	=	24°16'9.07"
Length	=	276.989	Degree	=	8°45'42.48"
Back	=	N68°0'14.99"E	Ahead	=	S87°43'35.87"E
Tangent	=	140.603	Chord	=	274.923
External	=	14.945			

LINE ELEMENT

	Point	X	Y	Z	STA
BP	12	1968120.33	1117930.94	0	64+40.40
EP	14	1968371.35	1117920.98	0	66+91.60

Length = 251.219 Bearing = S87°43'35.88"E

LINE ELEMENT

	Point	X	Y	Z	STA
BP	14	1968371.35	1117920.98	0	66+91.60
EP	15	1969279.02	1117884.95	0	76+0.00

Length = 908.379 Bearing = S87°43'35.87"E

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Description of Alignment #: 2 KINGS CREEK

LINE ELEMENT

	Point	X	Y	Z	STA
BP	16	1967851.74	1118370.23	0	20+0.00
EP	17	1967911.37	1118327.66	0	20+73.20
Length = 73.268 Bearing = S54^28'31.8''E					

LINE ELEMENT

	Point	X	Y	Z	STA
BP	17	1967911.37	1118327.66	0	20+73.20
EP	18	1967931.05	1118187.54	0	22+14.70
Length = 141.495 Bearing = S7^59'48.51''E					

LINE ELEMENT

	Point	X	Y	Z	STA
BP	18	1967931.05	1118187.54	0	22+14.70
EP	19	1967834.04	1118079.96	0	23+59.60
Length = 144.862 Bearing = S42^2'41.56''W					

LINE ELEMENT

	Point	X	Y	Z	STA
BP	19	1967834.04	1118079.96	0	23+59.60
EP	20	1967804.81	1117934.87	0	25+7.60
Length = 148.005 Bearing = S11^23'22.43''W					

LINE ELEMENT

	Point	X	Y	Z	STA
BP	20	1967804.81	1117934.87	0	25+7.60
EP	21	1967825.19	1117874.05	0	25+71.70
Length = 64.143 Bearing = S18^31'47.41''E					

LINE ELEMENT

	Point	X	Y	Z	STA
BP	21	1967825.19	1117874.05	0	25+71.70
EP	22	1967849.81	1117800.6	0	26+49.20
Length = 77.471 Bearing = S18^31'47.4''E					

LINE ELEMENT

	Point	X	Y	Z	STA
BP	22	1967849.81	1117800.6	0	26+49.20
EP	23	1967729.31	1117553.65	0	29+24.00
Length = 274.781 Bearing = S26^0'44.38''W					

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LINE ELEMENT

	Point	X	Y	Z	STA
BP	23	1967729.31	1117553.65	0	29+24.00
EP	24	1967830.8	1117465.42	0	30+58.50

Length = 134.485 Bearing = S48^59'57.61''E

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Description of Alignment #: 3 OUTFALL DITCH NO. 1

LINE ELEMENT

	Point	X	Y	Z	STA
BP	25	1968371.35	1117920.98	0	10+0.00
EP	26	1968473.95	1118208.63	0	13+5.40

Length = 305.403 Bearing = N19°37'48.92"E

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Description of Alignment #: 4 outfall ditch no. 2

LINE ELEMENT

	Point	X	Y	Z	STA
BP	30	1968858.17	1117901.65	0	10+0.00
EP	31	1968970.12	1118056.17	0	11+90.80

Length = 190.804 Bearing = N35^55'21.9''E

HORIZONTAL ALIGNMENT COMPLETED

ALIGNMENT FILE - H:\31919\31919.alg
REPORT FILE -