

株式会社エムティシー／道路横断図システム APS-ODAN

【帳票作成】

主要点計算書

**主要点座標リスト**

線形名 : 作成データ  
 緩和曲線種: クロノイド(A)      測点ピッチ: 20      開始測点: 0+00.000000

No	主要点名	測点	X座標	Y座標	始点半径	パラメータ	終点半径	線形長	接線方向角
1	KA1-1	0+00.000000	-5,514.745986	-16,548.533731	0.000000	150.000000	-350.000000	64.285714	11-35-08.052
2	KE1-1	3+04.285714	-5,451.428147	-16,537.560712	-350.000000		-350.000000	185.854003	6-19-25.366
3	KE1-2	12+10.139717	-5,269.955918	-16,565.941657	-350.000000	150.000000	0.000000	64.285714	335-53-56.395
4	KA2-1	15+14.425432	-5,213.011733	-16,595.722788	0.000000	150.000000	250.000000	90.000000	330-38-13.708
5	KE2-1	20+04.425432	-5,132.185916	-16,635.015128	250.000000		250.000000	44.803504	340-57-01.374
6	KAE2	22+09.228936	-5,088.755507	-16,645.775550	250.000000	90.000000	200.000000	8.100000	351-13-06.918
7	KEE2	22+17.328936	-5,080.730432	-16,646.871405	200.000000		200.000000	29.836179	353-18-25.270
8	KE2-2	24+07.165115	-5,050.948480	-16,648.129669	200.000000	120.000000	0.000000	72.000000	1-51-16.039
9	KA3-1	27+19.165115	-4,979.885229	-16,637.216248	0.000000	140.000000	-280.000000	70.000000	12-10-03.704
10	KE3-1	31+09.165115	-4,910.950556	-16,625.333900	-280.000000		-280.000000	101.132200	5-00-20.603
11	EP	36+10.297315	-4,810.803961	-16,634.696586					344-18-40.554

中間点計算書

**中間点成果出力**

(入力)  
 コメント : 作成データ  
 線形要素 : クロノイド(A)  
 開始測点 : 0+00.000000  
 計算ピッチ : 20.000000

(出力)

KA1-1 / KE1-1      線形長 = 64.285714    R 1 = 0.000000    A = 150.000000    R 2 = -350.000000

No.	測点	X座標	Y座標	接線方向角	弦長	弦方向角
1	0+00.000000	-5,514.745986	-16,548.533731	11-35-08.052	19.999930	11-24-56.898
2	1+00.000000	-5,495.141723	-16,544.575190	11-04-34.587	19.999403	10-23-49.971
3	2+00.000000	-5,475.470705	-16,540.965871	9-32-54.193	19.998350	8-21-36.118
4	3+00.000000	-5,455.684858	-16,538.058253	7-00-06.868	4.285689	6-40-00.149
5	3+04.285714	-5,451.428147	-16,537.560712	6-19-25.366		

KE1-1 / KE1-2      線形長 = 185.854003    R 1 = -350.000000    A = 0.000000    R 2 = -350.000000

No.	測点	X座標	Y座標	接線方向角	弦長	弦方向角
1	3+04.285714	-5,451.428147	-16,537.560712	6-19-25.366	15.712966	5-02-14.932
2	4+00.000000	-5,435.775873	-16,536.180997	3-45-04.497	19.997279	2-06-51.217
3	5+00.000000	-5,415.792207	-16,535.443261	0-28-37.937	19.997279	358-50-24.657
4	6+00.000000	-5,395.799025	-16,535.848031	357-12-11.376	19.997279	355-33-58.096
5	7+00.000000	-5,375.861593	-16,537.393986	353-55-44.816	19.997279	352-17-31.536
6	8+00.000000	-5,356.044995	-16,540.076080	350-39-18.256	19.997279	349-01-04.976
7	9+00.000000	-5,336.413922	-16,543.885557	347-22-51.695	19.997279	345-44-38.415
8	10+00.000000	-5,317.032456	-16,548.809981	344-06-25.135	19.997279	342-28-11.855
9	11+00.000000	-5,297.963867	-16,554.833277	340-49-58.575	19.997279	339-11-45.295
10	12+00.000000	-5,279.270404	-16,561.935783	337-33-32.014	10.139863	336-43-44.205
11	12+10.139717	-5,269.955918	-16,565.941657	335-53-56.395		

KE1-2 / KA2-1      線形長 = 64.285714    R 1 = -350.000000    A = 150.000000    R 2 = 0.000000

No.	測点	X座標	Y座標	接線方向角	弦長	弦方向角
1	12+10.139717	-5,269.955918	-16,565.941657	335-53-56.395	9.860004	335-07-59.473
2	13+00.000000	-5,261.010057	-16,570.087891	334-24-31.101	19.998696	333-11-32.892
3	14+00.000000	-5,243.160689	-16,579.107200	332-08-45.854	19.999603	331-26-21.116
4	15+00.000000	-5,225.594833	-16,588.668832	330-54-07.537	14.425418	330-43-31.651
5	15+14.425432	-5,213.011733	-16,595.722788	330-38-13.708		

## IP 諸元計算書

## IP の角度・距離計算書

線形名 : 作成データ

IP 番号	X 座標	Y 座標	IP 間距離	方向角	I A	パラメータ 1	半径	パラメータ 2
BP	-5,514.745986	-16,548.533731						
IP.1	-5,355.069328	-16,515.798727	162.997594	11-35-08.052	40-56-54.344 (左)	150.000000	350.000000	150.000000
IP.2	-5,095.104362	-16,662.059515	298.285101	330-38-13.708	41-31-49.995 (右)	150.000000	250.000000 200.000000	90.000000 120.000000
IP.3	-4,879.157885	-16,615.497665	220.909228	12-10-03.704	27-51-23.149 (左)	140.000000	280.000000	0.000000
EP	-4,810.803961	-16,634.696586	70.998996	344-18-40.554				

[ 作成データ

]

IPNO. 1 [ ]

交点 (IP) X = -5,355.069328 Y = -16,515.798727 交角 (IA) 40-56-54.344 (左カーブ)  
 曲線中点 (SP) 7+17.212716 X = -5,358.797062 Y = -16,539.634443 接線方向角 351-06-40.880

構成要素 A1 = 150.000000 R1 = -350.000000 A2 = 150.000000  
 セカント SL = 24.125450  
 曲線長 CL = 314.425432  
 接線長 TL = 162.997594

点名	測点	曲線長	弦長/中央縦距	X 座標	Y 座標	接線角 / ia
KA1-1	0+00.000000	64.285714	64.261620	-5,514.745986	-16,548.533731	11-35-08.052
KE1-1	3+04.285714	185.854003	183.678110	-5,451.428147	-16,537.560712	6-19-25.366
円心 1			12.264026	-5,412.877163	-16,885.431121	
KE1-2	12+10.139717	64.285714	64.261620	-5,269.955918	-16,565.941657	335-53-56.395
KA2-1	15+14.425432			-5,213.011733	-16,595.722788	330-38-13.708

(クロノイド(A) 諸量)

A = 150.000000  
 R = -350.000000  $\varphi = -5-15-42.686$  X = 64.231517 Y = -1.966745  $\Delta R = -0.491834$  XM = 32.133823  
 W = -130.863771

A = 150.000000  
 R = -350.000000  $\varphi = -5-15-42.686$  X = 64.231517 Y = -1.966745  $\Delta R = -0.491834$  XM = 32.133823  
 W = -130.863771

縦断計算書

縦断入力データ

コメント : 作成データ  
 測点範囲 : 0+00.000000 ~ 36+10.297315

縦断線形名称 : 縦断線形1

No.	測点	累加距離	(区間距離)	交点高	(高低差)	(勾配%)	VCL	VCR	非VCR区間距離
1	0+00.000000	0.000000	92.862460	83.550040	-4.353960	-4.688612			42.862460
2	4+12.862460	92.862460	148.313693	79.196080	-5.086580	-3.429609	100.000000	7,942.796846	48.313693
3	12+01.176153	241.176153	205.970283	74.109500	-0.786710	-0.381953	100.000000	3,281.210213	105.970283
4	22+07.146436	447.146436	217.563357	73.322790	-0.786710	-0.361600	100.000000	491,334.24931	117.563357
5	33+04.709793	664.709793	65.587522	72.536080	-2.439180	-3.718970	100.000000	2,978.522606	15.587522
6	36+10.297315	730.297315		70.096900					

縦断成果(中間点)出力一付加情報(地盤高)

No.	測点	接線高	Y	計画高	地盤高	切土高	盛土高
1	0+00.000000	83.550040	0.000000	83.550040	93.581800	10.031760	
2	1+00.000000	82.612318	0.000000	82.612318	92.543885	9.931267	
3	2+00.000000	81.674595	0.000000	81.674595	85.108331	3.433735	
4	2+02.862460	81.540386	0.000000	81.540386	84.237564	2.697178	
5	3+00.000000	80.736873	0.018488	80.755361	79.501674		1.253688
6	3+04.285714	80.535933	0.028891	80.564824	78.728920		1.835904
7	4+00.000000	79.799151	0.086821	79.885971	78.555944		1.330028
8	4+12.862460	79.196080	0.157375	79.353455	79.138767		0.214688
9	5+00.000000	78.951290	0.115651	79.066942	79.693889	0.626947	
10	6+00.000000	78.263368	0.032904	78.298272	82.947473	4.649201	
11	7+00.000000	77.579447	0.000516	77.579962	82.352252	4.772290	
12	7+02.862460	77.481275	0.000000	77.481275	81.512374	4.031098	
13	8+00.000000	76.893525	0.000000	76.893525	74.253464		2.640061
14	9+00.000000	76.207603	0.000000	76.207603	70.773915		5.433688
15	9+11.176153	75.824305	0.000000	75.824305	71.888339		3.935966
16	10+00.000000	75.521681	0.011865	75.533546	75.040866		0.492680
17	11+00.000000	74.835759	0.126602	74.962361	78.047189	3.084828	
18	12+00.000000	74.149837	0.363245	74.513083	75.172315	0.659233	
19	12+01.176153	74.109500	0.380957	74.490457	74.914096	0.423639	
20	12+10.139717	74.075263	0.256611	74.331874	72.997250		1.334624
21	13+00.000000	74.037602	0.148109	74.185711	71.451513		2.734198
22	14+00.000000	73.961211	0.019034	73.980245	69.831261		4.148984
23	14+11.176153	73.918523	0.000000	73.918523	69.859004		4.069520
24	15+00.000000	73.884820	0.000000	73.884820	69.967386		3.917434
25	15+14.425432	73.829722	0.000000	73.829722	70.309500		3.520222
26	16+00.000000	73.808430	0.000000	73.808430	70.280413		3.528017
27	17+00.000000	73.732039	0.000000	73.732039	73.164355		0.567684
28	18+00.000000	73.655649	0.000000	73.655649	80.140954	6.485305	
29	19+00.000000	73.579258	0.000000	73.579258	81.288459	7.709201	
30	19+17.146436	73.513767	0.000000	73.513767	80.153649	6.639882	
31	20+00.000000	73.502867	0.000008	73.502876	79.942809	6.439934	
32	20+04.425432	73.485964	0.000054	73.486018	79.615830	6.129812	
33	21+00.000000	73.426477	0.000531	73.427008	74.497444	1.070435	
34	22+00.000000	73.350086	0.001869	73.351955	78.845535	5.493581	
35	22+07.146436	73.322790	0.002544	73.325334	81.717570	8.392236	
36	22+09.228936	73.315260	0.002337	73.317596	81.906140	8.587544	
37	22+17.328936	73.285970	0.001613	73.287583	81.206670	7.919087	
38	23+00.000000	73.276311	0.001404	73.277716	80.911041	7.633325	
39	24+00.000000	73.203991	0.000299	73.204291	76.035276	2.830985	
40	24+07.165115	73.178082	0.000101	73.178184	73.682210	0.504026	
41	24+17.146436	73.141990	0.000000	73.141990	71.928974		1.213016
42	25+00.000000	73.131671	0.000000	73.131671	71.549323		1.582348
43	26+00.000000	73.059351	0.000000	73.059351	71.906920		1.152431
44	27+00.000000	72.987031	0.000000	72.987031	72.405354		0.581678
45	27+19.165115	72.917730	0.000000	72.917730	74.235460	1.317730	
46	28+00.000000	72.914711	0.000000	72.914711	74.353325	1.438614	
47	29+00.000000	72.842391	0.000000	72.842391	73.203077	0.360686	
48	30+00.000000	72.770071	0.000000	72.770071	72.508728		0.261342
49	30+14.709793	72.716880	0.000000	72.716880	72.243194		0.473686
50	31+00.000000	72.697751	-0.004698	72.693053	72.376042		0.317011

## 横断勾配計算書

## 横断勾配すり付け計算書

線形名：作成データ  
 横断面名称：(名称未設定)  
 測点ピッチ：測点ピッチ=20  
 計算ピッチ：20.000000

計算範囲： 0+00.000000 ~ 36+10.297315

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左 側		測 点	右 側		備 考
摘 要	片勾配		片勾配	摘 要	
	2.000000	0+00.000000	-2.000000		
	2.000000	1+00.000000	0.000000		
	2.000000	2+00.000000	2.000000		
	3.647059	3+00.000000	3.647059		
	4.000000	3+04.285714	4.000000		
	4.000000	4+00.000000	4.000000		
	4.000000	5+00.000000	4.000000		
	4.000000	6+00.000000	4.000000		
	4.000000	7+00.000000	4.000000		
	4.000000	8+00.000000	4.000000		
	4.000000	9+00.000000	4.000000		
	4.000000	10+00.000000	4.000000		
	4.000000	11+00.000000	4.000000		
	4.000000	12+00.000000	4.000000		
	4.000000	12+10.139717	4.000000		
	3.000000	13+00.000000	1.688502		
	2.000000	14+00.000000	-3.000000		
	1.000000	15+00.000000	-2.000000		
	-0.117929	15+14.425432	-1.278728		
	-0.549941	16+00.000000	-1.000000		
	-2.000000	16+18.711146	-2.000000		
	-1.878917	17+00.000000	-1.848647		
	0.000000	18+00.000000	0.500000		
	-1.000000	19+00.000000	-1.500000		
	-2.000000	20+00.000000	-2.500000		
	-5.000000	20+04.425432	-5.000000		
	-5.000000	21+00.000000	-5.000000		
	-5.000000	22+00.000000	-5.000000		
	-5.000000	22+09.228936	-5.000000		
	-6.000000	22+17.328936	-6.000000		
	-6.000000	23+00.000000	-6.000000		
	-6.000000	24+00.000000	-6.000000		
	-6.000000	24+07.165115	-6.000000		
	-5.106432	25+00.000000	-5.106432		
	-3.714027	26+00.000000	-3.714027		
	-2.321622	27+00.000000	-2.321622		
	-2.000000	27+04.619660	-2.000000		
	-0.545454	27+19.165115	-0.545454		
	-0.461966	28+00.000000	-0.461966		
	1.538034	29+00.000000	1.538034		
	2.000000	29+04.619660	2.000000		
	3.035819	30+00.000000	3.035819		

## 座標点一覧

## コントロールポイント登録データ

コメント : LANDXML\_10\_220202-INTERMEDIATEFNIS1  
 CP 結線 : する

No.	CP名称	X座標	Y座標	離れ	標高	標高余裕
1	KA1-1	-5, 514. 745986	-16, 548. 533731	0. 000000	83. 550040	0. 000000
2	NO. 1	-5, 495. 141723	-16, 544. 575190	0. 000000	82. 612320	0. 000000
3	NO. 2	-5, 475. 470705	-16, 540. 965871	0. 000000	81. 674600	0. 000000
4	NO. 3	-5, 455. 684858	-16, 538. 058253	0. 000000	80. 755360	0. 000000
5	KE1-1	-5, 451. 428147	-16, 537. 560712	0. 000000	80. 564820	0. 000000
6	NO. 4	-5, 435. 775873	-16, 536. 180997	0. 000000	79. 885970	0. 000000
7	NO. 5	-5, 415. 792207	-16, 535. 443261	0. 000000	79. 066940	0. 000000
8	NO. 6	-5, 395. 799025	-16, 535. 848031	0. 000000	78. 298270	0. 000000
9	NO. 7	-5, 375. 861593	-16, 537. 393986	0. 000000	77. 579960	0. 000000
10	NO. 8	-5, 356. 044995	-16, 540. 076080	0. 000000	76. 893520	0. 000000
11	NO. 9	-5, 336. 413922	-16, 543. 885557	0. 000000	76. 207600	0. 000000
12	NO. 10	-5, 317. 032456	-16, 548. 809981	0. 000000	75. 533550	0. 000000
13	NO. 11	-5, 297. 963867	-16, 554. 833277	0. 000000	74. 962360	0. 000000
14	NO. 12	-5, 279. 270404	-16, 561. 935783	0. 000000	74. 513080	0. 000000
15	KE1-2	-5, 269. 955918	-16, 565. 941657	0. 000000	74. 331870	0. 000000
16	NO. 13	-5, 261. 010057	-16, 570. 087891	0. 000000	74. 185710	0. 000000
17	NO. 14	-5, 243. 160689	-16, 579. 107200	0. 000000	73. 980240	0. 000000
18	NO. 15	-5, 225. 594833	-16, 588. 668832	0. 000000	73. 884820	0. 000000
19	KA1-2/KA2-1	-5, 213. 011733	-16, 595. 722788	0. 000000	73. 829720	0. 000000
20	NO. 16	-5, 208. 152691	-16, 598. 455097	0. 000000	73. 808430	0. 000000
21	NO. 17	-5, 190. 662399	-16, 608. 154742	0. 000000	73. 732040	0. 000000
22	NO. 18	-5, 172. 956740	-16, 617. 453997	0. 000000	73. 655650	0. 000000
23	NO. 19	-5, 154. 890076	-16, 626. 028035	0. 000000	73. 579260	0. 000000
24	NO. 20	-5, 136. 356210	-16, 633. 534382	0. 000000	73. 502880	0. 000000
25	KE2-1	-5, 132. 185916	-16, 635. 015128	0. 000000	73. 486020	0. 000000
26	NO. 21	-5, 117. 315500	-16, 639. 636757	0. 000000	73. 427010	0. 000000
27	NO. 22	-5, 097. 848187	-16, 644. 198601	0. 000000	73. 351950	0. 000000
28	KAE2	-5, 088. 755507	-16, 645. 775550	0. 000000	73. 317600	0. 000000
29	KEE2	-5, 080. 730432	-16, 646. 871405	0. 000000	73. 287580	0. 000000
30	NO. 23	-5, 078. 075571	-16, 647. 164992	0. 000000	73. 277720	0. 000000
31	NO. 24	-5, 058. 112464	-16, 648. 233222	0. 000000	73. 204290	0. 000000
32	KE2-2	-5, 050. 948480	-16, 648. 129669	0. 000000	73. 178180	0. 000000
33	NO. 25	-5, 038. 140518	-16, 647. 327524	0. 000000	73. 131670	0. 000000
34	NO. 26	-5, 018. 306162	-16, 644. 789320	0. 000000	73. 059350	0. 000000
35	NO. 27	-4, 998. 636665	-16, 641. 176041	0. 000000	72. 987030	0. 000000
36	KA2-2/KA3-1	-4, 979. 885229	-16, 637. 216248	0. 000000	72. 917730	0. 000000
37	NO. 28	-4, 979. 069099	-16, 637. 040281	0. 000000	72. 914710	0. 000000
38	NO. 29	-4, 959. 502442	-16, 632. 900035	0. 000000	72. 842390	0. 000000
39	NO. 30	-4, 939. 852902	-16, 629. 176816	0. 000000	72. 770070	0. 000000
40	NO. 31	-4, 920. 066725	-16, 626. 275559	0. 000000	72. 693050	0. 000000
41	KE3-1	-4, 910. 950556	-16, 625. 333090	0. 000000	72. 629530	0. 000000

## 拡幅変化点一覧

## 拡幅変化点一覧表

線形名 : 作成データ  
横断面名称 : (名称未設定)  
測点ピッチ : 測点ピッチ=20

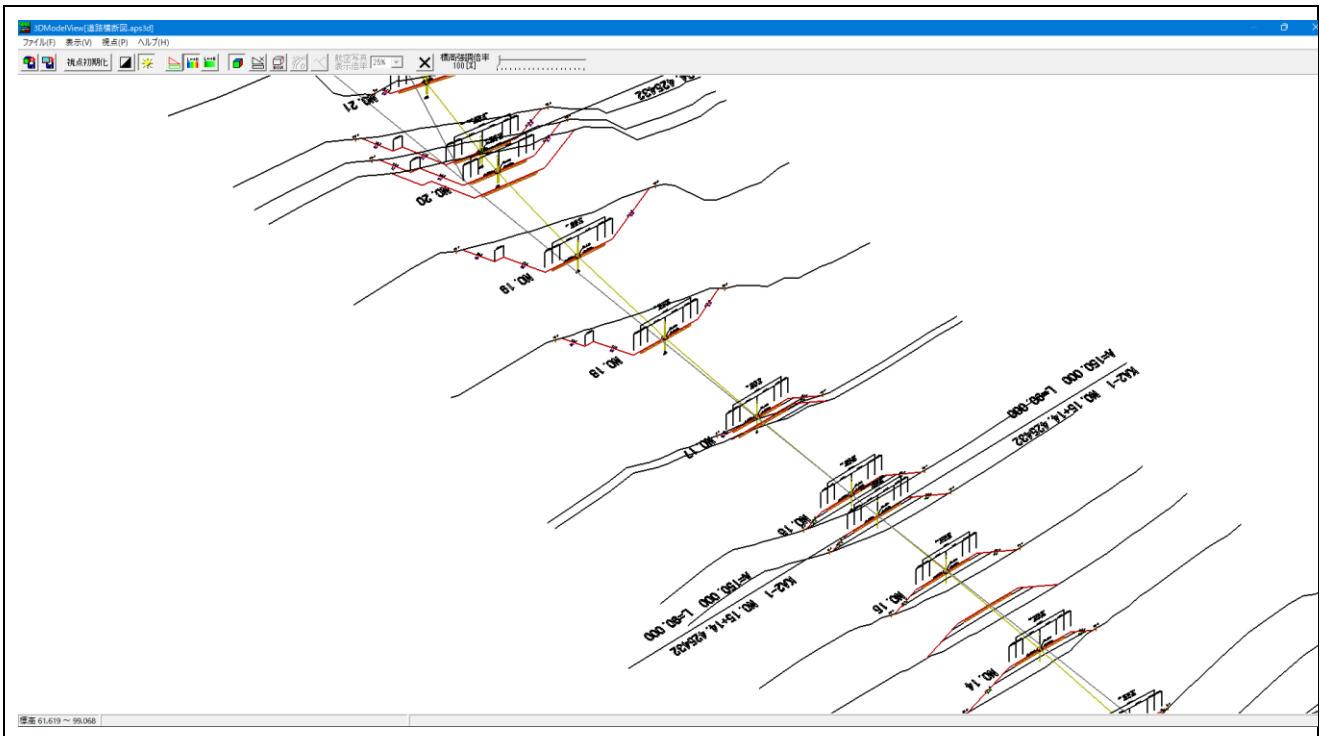
計算範囲 : 0+00.000000 ~ 36+10.297315

測点	単距離	幅員シフト	拡幅量(左)	拡幅量(右)
0+00.000000	0.000000	0.000000	0.000000	0.000000
15+14.425432	314.425432	0.000000		0.000000
20+04.425432	90.000000	0.250000		0.250000
24+07.165115	82.739683	0.250000		0.250000
27+19.165115	72.000000	0.000000		0.000000
36+10.297315	171.132200	0.000000	0.000000	0.000000

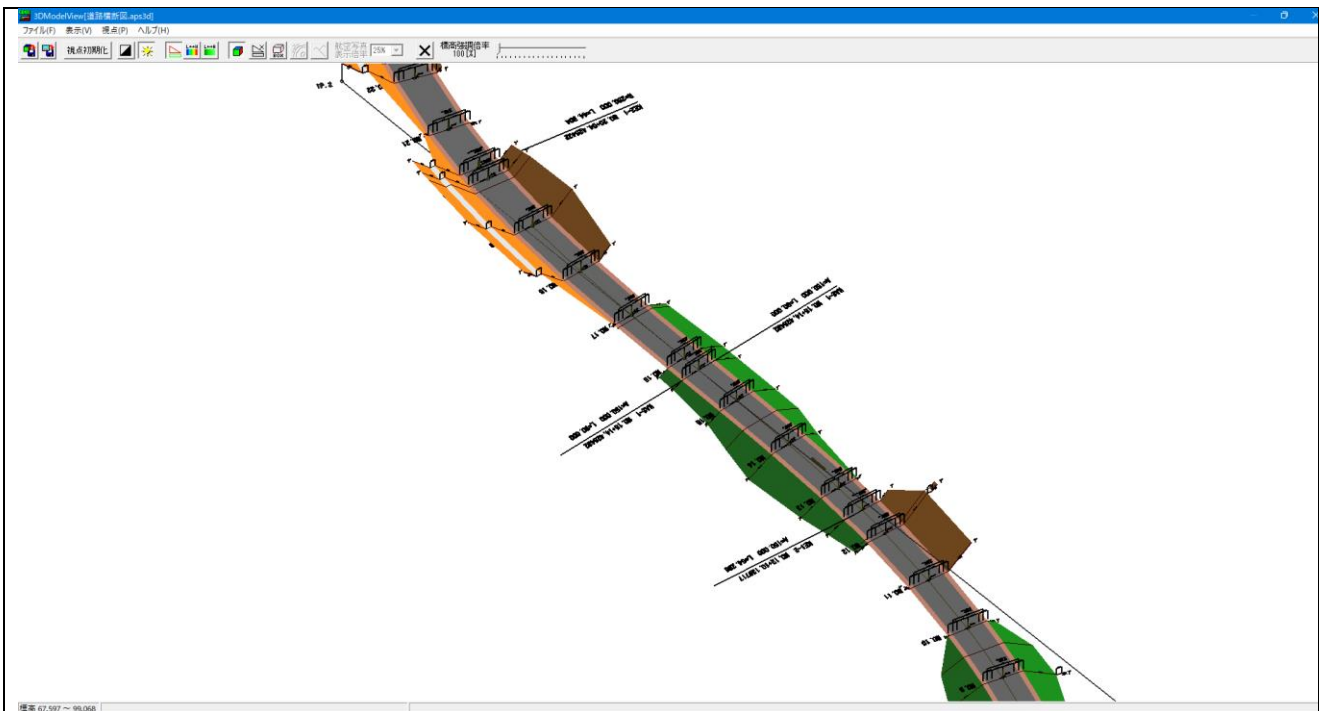


### 【3次元表示】

#### スケルトン



#### サーフェス





## 【2次元表示】

## 座標点

LandXML の座標点は、CP データとして取得し表示します。

The screenshot displays two windows from a software application. The top window, titled 'C P 登録[LANDXML\_10\_220202-INTERMEDIATEPNTS1]', contains a table of CP data. The bottom window, titled 'LANDXML\_10\_220202-INTERMEDIATEPNTS1', shows a 2D plot of the data points as a red line.

-	C P名称	X座標	Y座標	離れ	標高	標高余裕
1	KA1-1	-5514.745986	-16548.533731	0.000000	83.55004	0.00000
2	NO.1	-5495.141723	-16544.575190	0.000000	82.61232	0.00000
3	NO.2	-5475.470705	-16540.965871	0.000000	81.67460	0.00000
4	NO.3	-5455.684858	-16538.058253	0.000000	80.75536	0.00000
5	KE1-1	-5451.428147	-16537.560712	0.000000	80.56482	0.00000
6	NO.4	-5435.775873	-16536.180997	0.000000	79.88597	0.00000
7	NO.5	-5415.792207	-16535.443261	0.000000	79.06694	0.00000
8	NO.6	-5395.799025	-16535.848031	0.000000	78.29827	0.00000
9	NO.7	-5375.861593	-16537.393986	0.000000	77.57996	0.00000
10	NO.8	-5356.044995	-16540.076080	0.000000	76.89352	0.00000

The 2D plot in the bottom window shows a red line representing the CP data points, plotted on a coordinate system. The plot area is bounded by a gray frame, and the status bar at the bottom left shows the coordinates (-4,814.98317539, -16,273.85716894).

以上