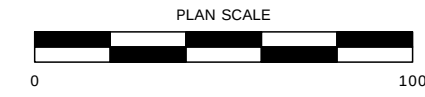


GEOMETRIC ROAD DESIGN

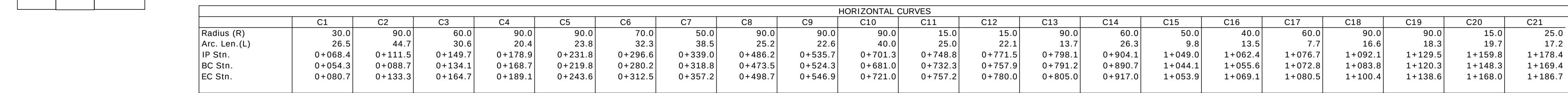
KOKANEE 8500 FSR

0+000 to 1+397.1

Exhibit A	Plan Profile Drawings
Section 1	Cross section drawings
Section 2	Mass haul graph
Section 3	Hub to station and culvert report
Section 4	Volume report
Section 5	Staking report
Section 6	Clearing report
Section 7	Construction Summary

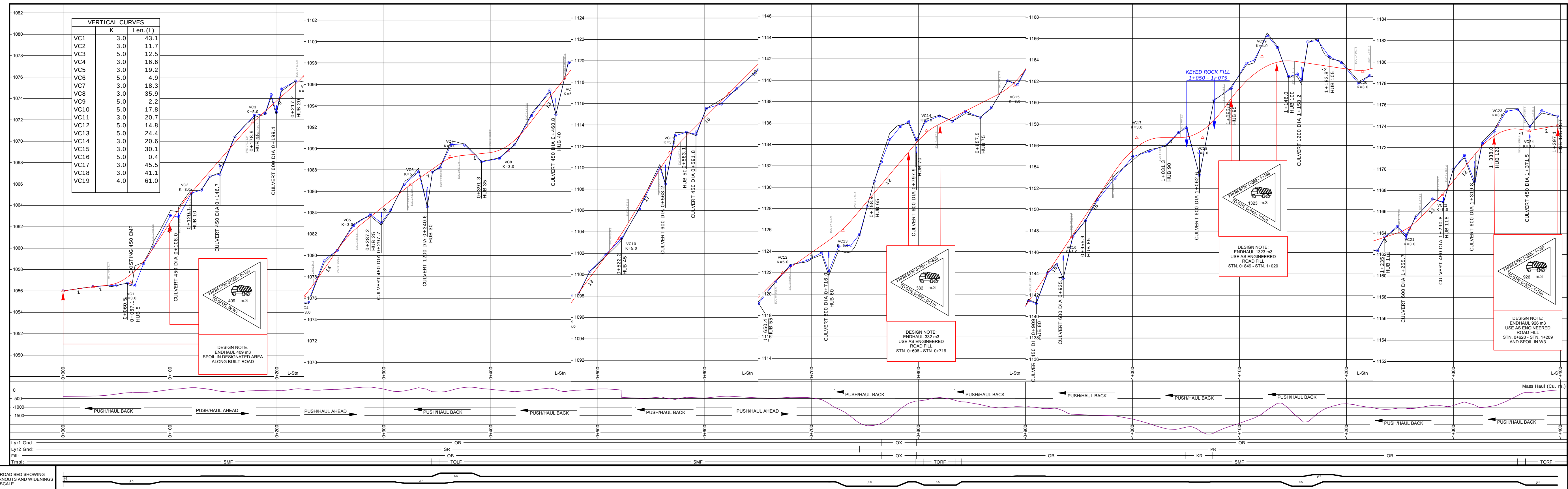


SPOIL SITES		
Site Number	Capacity (m.3)	Vol. Assigned (m.3)
W1	375	375
W2	2000	0
W3	2000	415



	HORIZONTAL CURVES																				
	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21
Radius (R)	30.0	90.0	60.0	90.0	90.0	70.0	50.0	90.0	90.0	90.0	15.0	15.0	90.0	60.0	50.0	40.0	60.0	90.0	90.0	15.0	25.0
Arc. Len.(L)	26.5	44.7	30.6	20.4	23.8	32.3	38.5	25.2	22.6	40.0	25.0	22.1	13.7	26.3	9.8	13.5	7.7	16.6	18.0	19.7	17.2
IP Stn.	+0068.4	+0111.5	+0149.7	+0178.9	+0231.8	+0296.6	+0339.0	+0486.2	+0535.7	+0701.3	+0748.8	+0771.5	+0798.1	+0904.1	+1049.0	+1062.4	+1076.7	+1092.1	+129.5	+1459.8	+178.4
BC Stn.	+0054.3	+0088.7	+0134.1	+0168.7	+0219.8	+0280.2	+0318.8	+0473.5	+0524.3	+0681.0	+0732.3	+0757.9	+0791.2	+0890.7	+1044.1	+1055.6	+1072.8	+1083.8	+120.3	+148.3	+169.4
EC Stn.	+0080.7	+0133.3	+0164.7	+0189.1	+0243.6	+0312.5	+0357.2	+0498.7	+0546.9	+0721.0	+0757.2	+0780.0	+0805.0	+0917.0	+1053.9	+1069.1	+1080.5	+100.4	+138.6	+168.0	+186.7

VOLUME TABLE			0+000			0+200			0+400			0+600			0+800			1+000			1+200			1+200		
200m	Cut OM	1.0		980		1407		1075		2073		1048		3578		2387										
	Fill OM	1.2		609		1304		1200		2271		1913		2888		1645										
	Cut SR	1.0		0		0		0		0		0		0		0										
	Fill SR	0.8		0		0		0		0		0		0		0										
	Mass ordinate			370		104		-125		-195		-366		694		722										
Accum	Cut OM	1.0		980		2087		2461		5324		6582		10160		12256										
	Fill OM	1.2		609		1913		3113		5383		7296		10185		11830										
	Cut SR	1.0		0		1		1		4		4		8		8										
	Fill SR	0.8		0		0		0		0		0		1		1										
	Masshaul			370		474		349		154		-711		-18		704										



Legend

	PLAN
	P-LINE HUBS
	CLEARING LIMIT (R/W)
	L-LINE DESIGN
	ROAD EDGES
	CULVERTS
	ROCK
	SWAMP
	BOULDER
	STREAM
	SWALE or GULLY
	WASTE AREA
	REFERENCE SHOTS
	PROFILE
	EXISTING GRADE
	DESIGN GRADE
	P-LINE GROUND PROFILE
	SECTION
	ROAD PRISM
	TORN
	LAYER 1
	LAYER 2
	STRIPPING

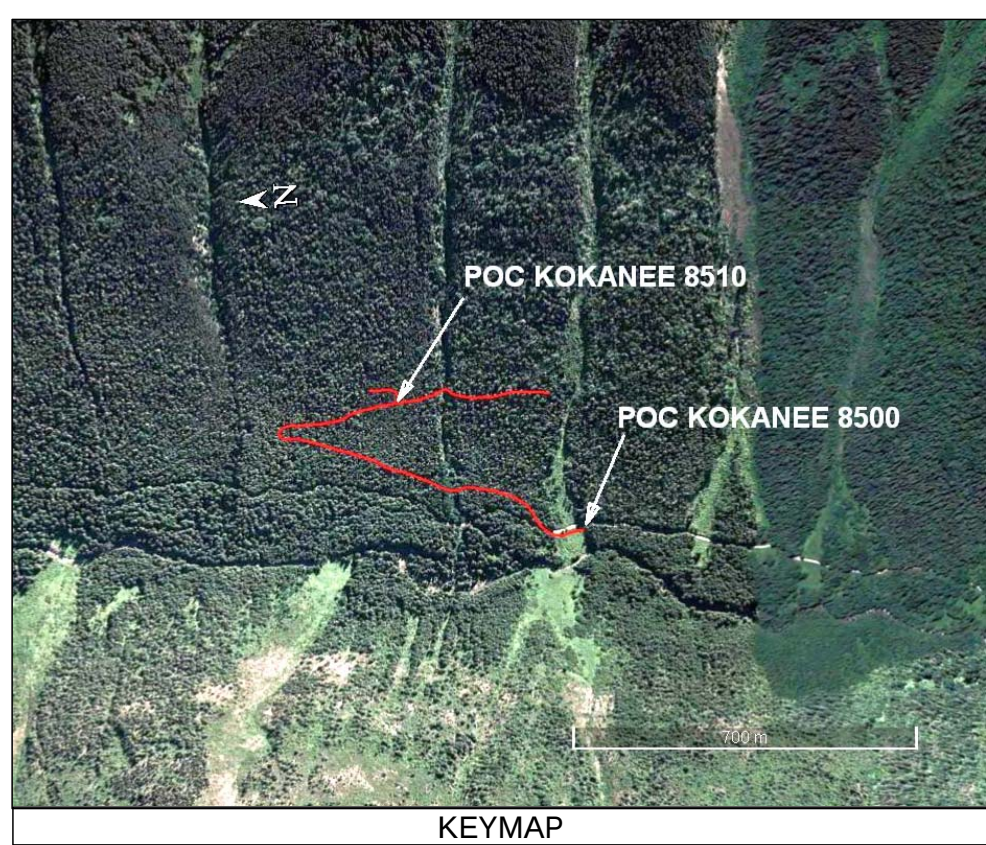
TEMPLATE DESCRIPTIONS	
TEMPLATE	DESCRIPTION
5EX	EXISTING ROAD
5MF	5 METRE ROAD FLAT DITCH
5MV	5 METRE ROAD V DITCH
TOL / TOR	8m LEFT OR RIGHT TURN OUT
TP	TAPER TEMPLATE

SOIL DESCRIPTIONS			
SOIL	CUT	FILE	DESCRIPTION
OB	80% (1.25:1)	67% (1.5:1)	GRAVELLY SILTY SAND
OM	91% (1.1:1.5)	67% (1.5:1)	COLLUVIUM
OX	100% (1:1)	67% (1.5:1)	COLLUVIUM, TALUS
OS	20% (0.5:1)	67% (1.5:1)	SHALLOW STEEPENED TERMINATION
PR	40% (0.25:1)	80% (1.25:1)	GEN. ROCK FILL - GEN. ROCK FILL
FR	20% (0.5:1)	80% (1.25:1)	FRACTURED ROCK - GEN. ROCK FILL
GR	40% (0.25:1)	80% (1.25:1)	SOLID ROCK CUT - GEN. ROCK FILL
KR	40% (0.25:1)	90% (1.1:1.5)	ROCK CUT - KEYED ROCK FILL
VR	VERT.	80% (1.25:1)	PLACED ROCK FILL - GEN. ROCK FILL
	VERT.	80% (1.25:1)	VERT. ROCK CUT - GEN. ROCK FILL

TEMPLATE ASSIGNMENTS			
ID	L-Stn From	L-Stn To	Description
5MF	0 + 345.0	0 + 345.0	5m Road Flat Ditch
TP	0 + 345.0	0 + 352.5	Taper Template
TOLF	0 + 352.5	0 + 382.5	Turnout Left Flat Ditch
TP	0 + 382.5	0 + 390.0	Taper Template
5MF	0 + 390.0	0 + 797.5	5m Road Flat Ditch
TP	0 + 797.5	0 + 805.0	Taper Template
TORF	0 + 805.0	0 + 835.0	Turnout Right Flat Ditch
TP	0 + 835.0	0 + 840.0	Taper Template
5MF	0 + 840.0	1 + 360.0	5m Road Flat Ditch

CULVERT TABLE				
L-Stn	INDEX	Cul Len	Cul Skew	Cul DIA
		m.	deg	
0+108.0	9	9.0	53	450
0+146.7	13	9.0	65	450
0+199.4	18	9.0	72	600
0+297.7	26	9.0	75	450
0+340.6	30	16.0	78	1200
0+460.8	40	12.0	60	450
0+563.2	48	11.0	55	600
0+611.8	51	9.0	69	450
0+716.0	60	11.0	78	600
0+797.9	70	9.0	110	600
0+909.8	80	9.0	126	450
0+935.1	83	10.0	110	600
1+062.6	91	12.0	99	600
1+158.2	102	15.0	90	1200
1+255.7	112	9.0	98	600
1+290.8	115	9.0	118	450
1+319.8	118	11.0	118	450
1+371.5	123	12.0	90	600

L-Strn m.	H.Rad m.	HD m.	Delta deg.	Rd. m.	Wd. m.	L.Rd. m.	Wd. m.
0+054.3		30.0	26.5	51	2.5	4.5	
0+080.7			7.9		2.5	4.5	
0+088.7		90.0	44.7	28	2.5	4.9	
0+133.3			4.0		2.8	2.5	
0+134.1	-60.0	30.0	6.0	-29	2.8	2.5	
0+164.7			4.0		2.8	2.5	
0+167.7			5.7		2.7	2.5	
0+189.1	-90.0	20.4	-13	2.5	2.5	2.5	
0+219.8	-90.0	23.8	-15	2.5	2.5	2.5	
0+243.6		36.6		2.6	2.5	2.5	
0+280.2		30.7		2.6	2.5	2.5	
0+312.5	-70.0	32.3	-26	2.6	3.0		
0+318.8		6.3			3.5	3.7	
0+357.2	50.0	39.5	44	5.5	3.7		
0+423.5		116.3		2.5	2.5	2.5	
0+425.5	90.0	25.2	16	2.5	2.5	2.5	
0+498.7		25.6		2.5	2.5	2.5	
0+524.3		22.6	-14	2.5	2.5	2.5	
0+546.9		134.1		2.5	2.5	2.5	
0+681.0	-90.0	40.0	-24	2.5	2.5	2.5	
0+720.0		27.5		2.5	2.5	2.5	
0+732.3	15.0	11.3	95	2.5	6.6		
0+757.2		25.0		2.5	6.6		
0+757.9	15.0	22.1	85	2.5	6.6		
0+760.0		0.6		2.5	2.5	2.5	
0+791.2		11.2	9	2.5	2.5		
0+805.0	90.0	13.7	9	2.5	5.5		
0+890.7	-60.0	26.3	-25	2.7	2.5		
0+917.0		127.1		2.5	2.5	2.5	
1+044.1		85.7	-11	2.5	2.5	2.5	
1+053.9	-50.0	9.8	-11	2.5	2.7		
1+055.6		1.7		2.5	2.7		
1+069.1	40.0	13.5	19	2.5	2.7		
1+072.8		3.7		2.5	2.7		
1+080.5	-60.0	7.7	-7	2.5	2.5		
1+083.8		3.3		1.1	2.5	2.5	
1+100.4		16.6	-11	2.5	2.5		
1+104.3	-90.0	19.9	-11	2.5	2.5		
1+136.6		18.3	-12	2.5	2.6		
1+148.3		9.7		2.5	6.5		
1+168.0	15.0	19.7	75	2.5	6.5		
1+169.4		1.4		4.0	6.5		
1+169.4	-25.0	17.2	-40	4.2	2.5		
1+186.7		70.0		2.5	2.5		
1+256.6		16.5		2.5	2.5		
1+273.1	-90.0	34.4	-11	2.5	2.5		
1+307.5	90.0	17.0	11	2.5	2.5		
1+324.5		20.1		2.5	2.5		
1+364.6		40.1		2.5	4.3		
1+379.7	90.0	15.1	10	2.5	5.5		



DESIGN NOTES	
1)	All culvert inlets and outlets are to be erosion protected using a layer of rock, 1 cubic meter per side.
2)	Grass Haul and Volume Tables are reporting banked volumes.
3)	Construct 5.0 meter road bed, unless other ways indicated.
4)	All fills shall be constructed with optimum material, as specified, either washed rock or fresh material of competent material.
5)	Culverts must be installed concurrent with primary excavation at all streams connected with points of diversion (pdd).
6)	Rock volumes include both riprap and rock quantities. Actual drill and blast quantities will be determined on site and paid in accordance with contract units.
7)	Refer to separate geotechnical report for additional construction recommendations.

HUB TO STATION TABLE			
Index	L-Strn	Index	L-Strn
1	0+000.0	64	0+751.
2	0+028.0	65	0+758.
3	0+060.7	66	0+765.0
4	0+060.5	67	0+773.
5	0+067.1	68	0+783.
6	0+075.2	69	0+790.
7	0+084.4	70	0+797.1
8	0+100.3	71	0+806.
9	0+108.0	72	0+808.
10	0+120.1	73	0+831.
11	0+129.8	74	0+837.
12	0+137.5	75	0+857.
13	0+146.7	76	0+883.
14	0+160.8	77	0+883.
15	0+178.9	78	0+892.
16	0+189.0	79	0+893.
17	0+194.6	80	0+909.
18	0+199.4	81	0+920.
19	0+204.4	82	0+920.
20	0+217.2	83	0+944.
21	0+229.3	84	0+944.
22	0+244.1	85	0+955.
23	0+256.6	86	0+967.
24	0+271.7	87	0+983.
25	0+277.2	88	1+000.
26	0+297.7	89	1+015.
27	0+306.2	90	1+031.
28	0+319.1	91	1+043.
29	0+332.2	92	1+043.
30	0+340.6	93	1+062.
31	0+345.4	94	1+076.
32	0+356.6	95	1+082.
33	0+363.3	96	1+082.
34	0+375.5	97	1+113.
35	0+391.3	98	1+125.
36	0+407.8	99	1+135.
37	0+422.2	100	1+135.
38	0+438.1	101	1+154.
39	0+455.2	102	1+158.
40	0+468.0	103	1+163.
41	0+477.2	104	1+173.
42	0+482.0	105	1+173.
43	0+492.7	106	1+195.
44	0+507.0	107	1+211.
45	0+522.2	108	1+221.
46	0+538.9	109	1+225.
47	0+558.1	110	1+235.
48	0+563.2	111	1+247.
49	0+572.4	112	1+255.
50	0+583.1	113	1+255.
51	0+591.8	114	1+280.
52	0+601.5	115	1+290.
53	0+615.5	116	1+299.
54	0+629.9	117	1+308.
55	0+640.4	118	1+310.
56	0+666.3	119	1+326.
57	0+680.2	120	1+338.
58	0+695.8	121	1+349.
59	0+709.6	122	1+359.
60	0+716.0	123	1+371.
61	0+725.2	124	1+382.
62	0+736.6	125	1+397.
63	0+744.8		
64	0+751.7		
65	0+758.4		
66	0+765.0		

DESIGNER:	CS		E		
DESIGN CHECK:			D		
DRAWING BY:	CS		C		
DRAWING CHECK:			B ISSUED FOR CONSTRUCTION	CS	01/30/2020
APPROVAL:			A ISSUED FOR COMMENTS	CS	09/24/2019
REVISION				INTL.	DATE

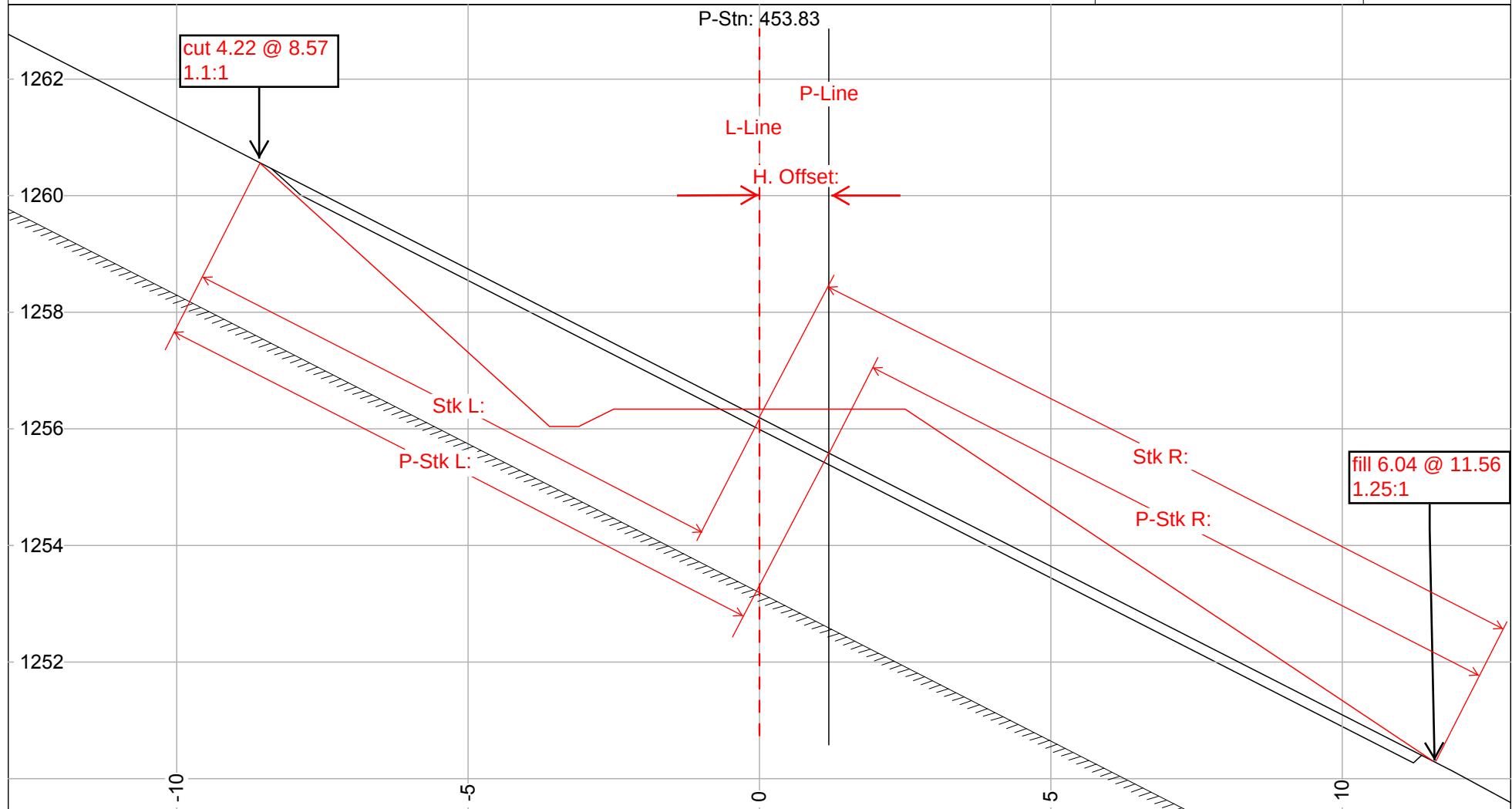
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REVISION: A	STA 0+000 - 1+397.1	Page 1 of 1

SECTION 1

ROAD SPECIFICATIONS

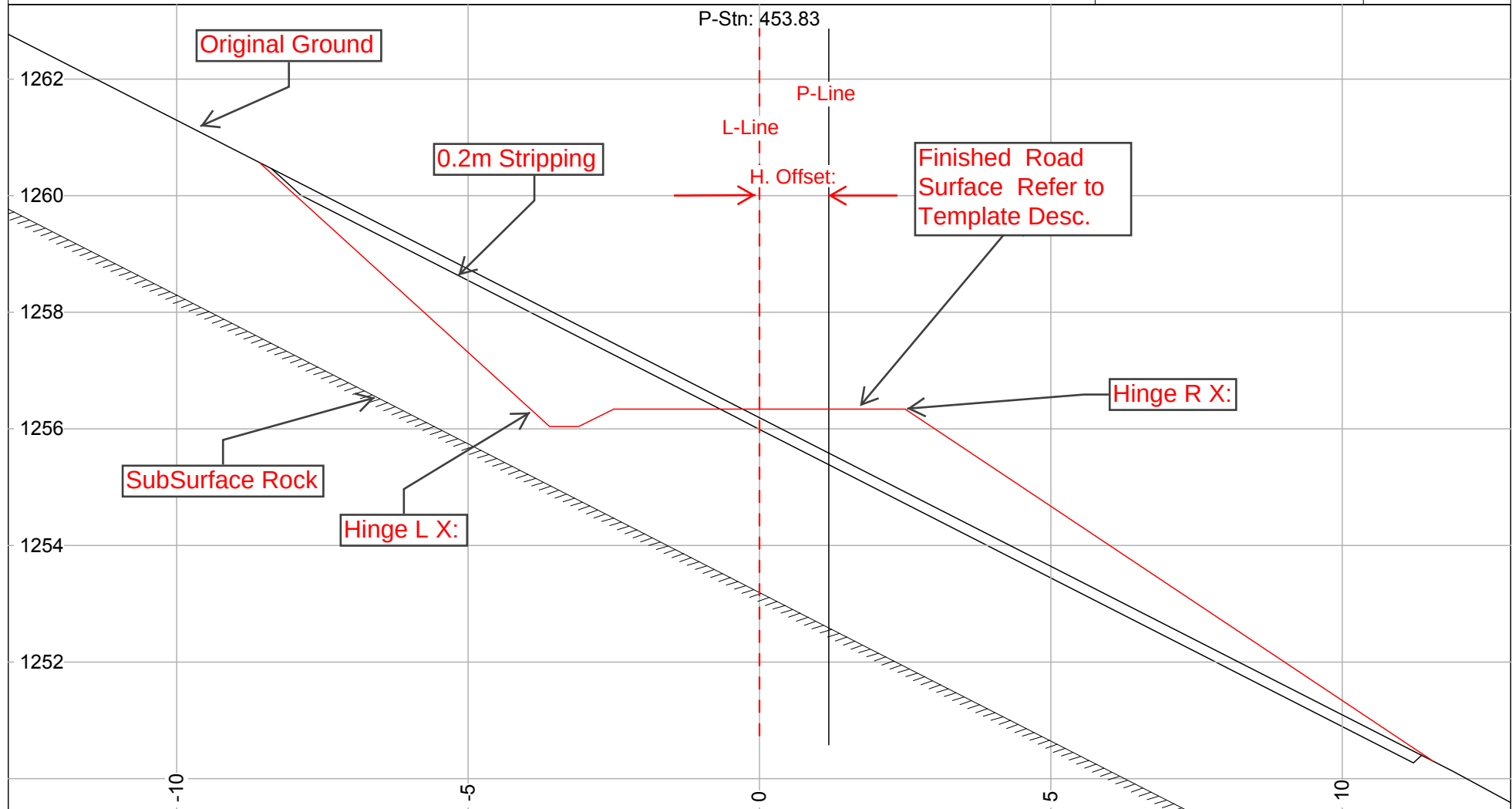
CROSS SECTIONS

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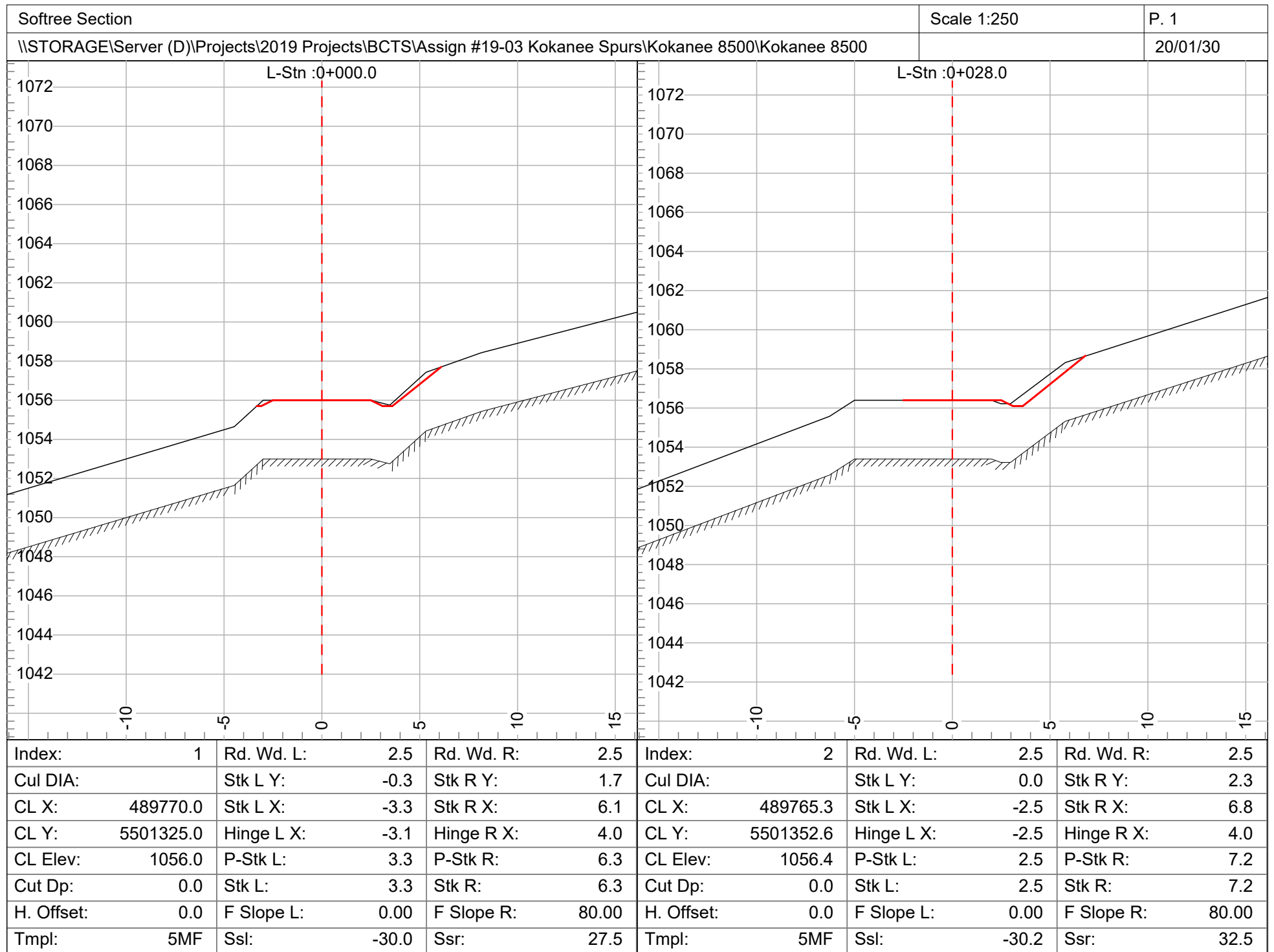


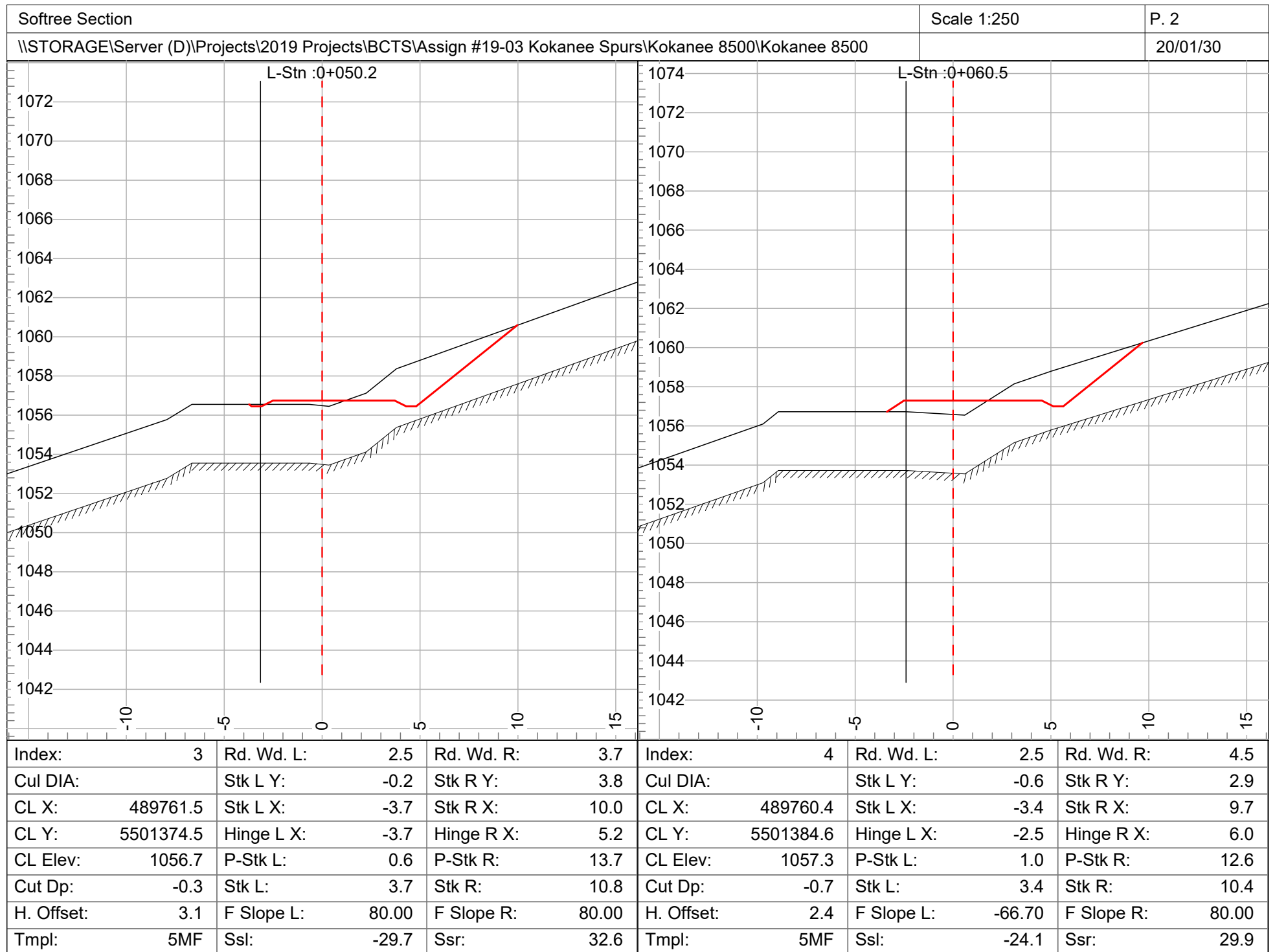
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L-Stn:		451.45	Stk L Y:	cut or fill to grade	4.22	Stk R Y:	cut or fill to grade	-6.04
CL X:	UTM co-ordinates	522202.62	Stk L X:	horizontal distance	-8.57	Stk R X:	horizontal distance	11.56
CL Y:	UTM co-ordinates	5504638.06	Hinge L X:	from L-Line	-3.60	Hinge R X:	from L-Line	2.50
CL Elev:		1256.34	P-Stk L:	Slope distance from P-Line	10.96	P-Stk R:	Slope distance from P-Line	11.64
Cut Dp:	at L-Line	-0.15	Stk L:	Slope distance from L-Line	9.62	Stk R:	Slope distance from L-Line	12.98
H. Offset:		-1.20	F Slope L:	cut slope (1.1:1)	91	F Slope R:	fill slope (1.5:1)	-67
Tmpl:		5M	Ssl: (Av)	original ground slope	51	Ssr: (Av)	original ground slope	-51

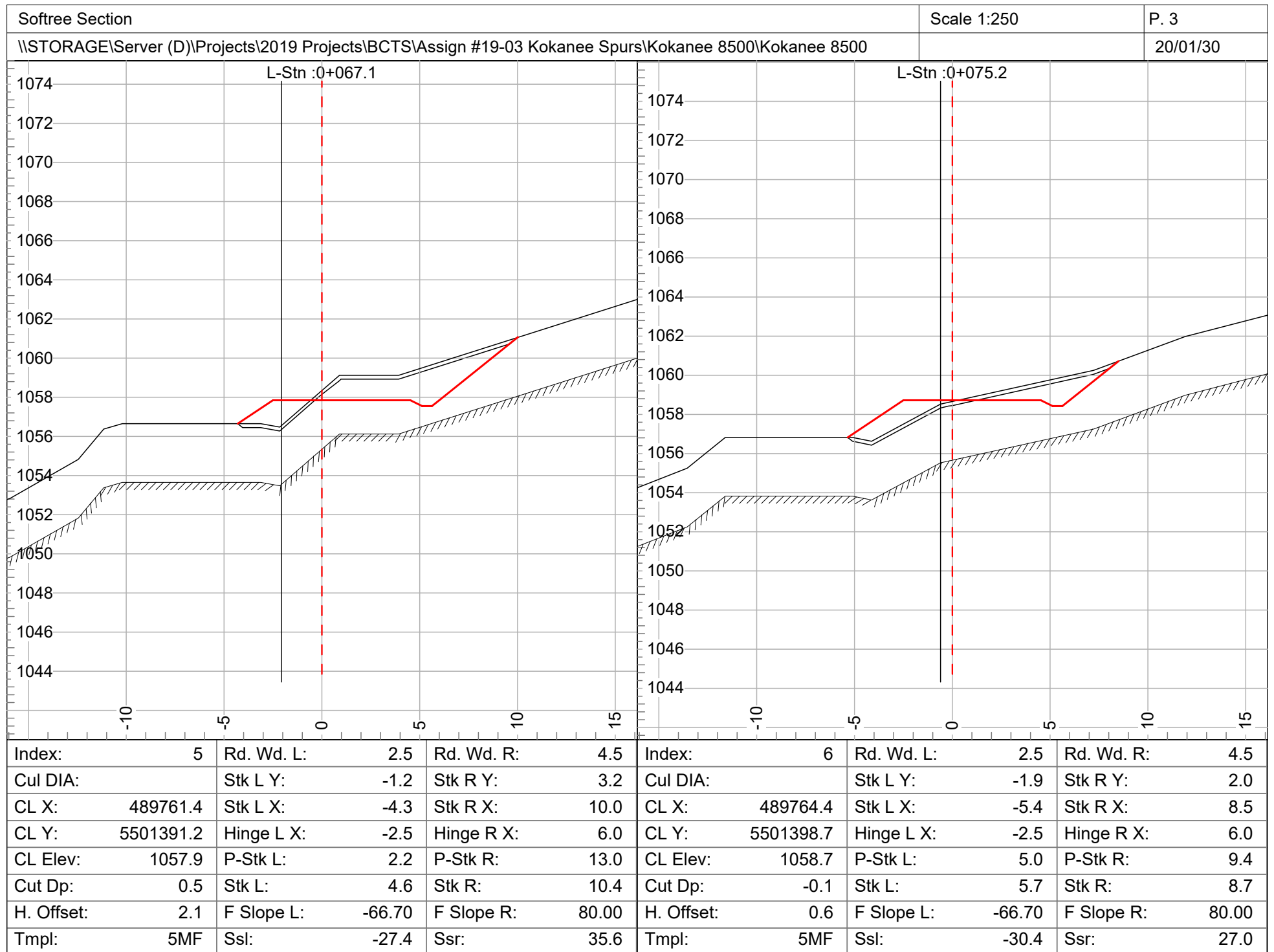
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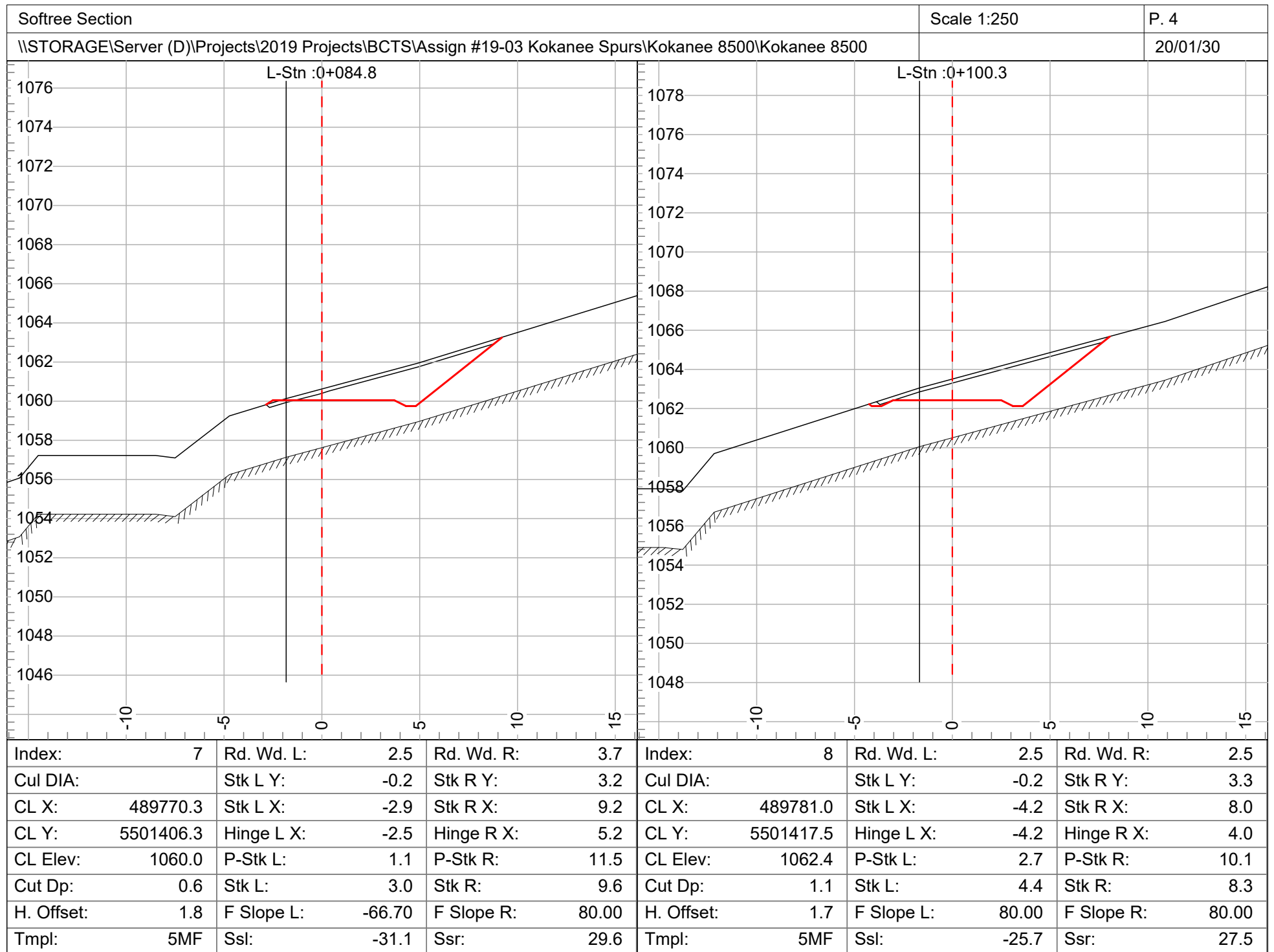


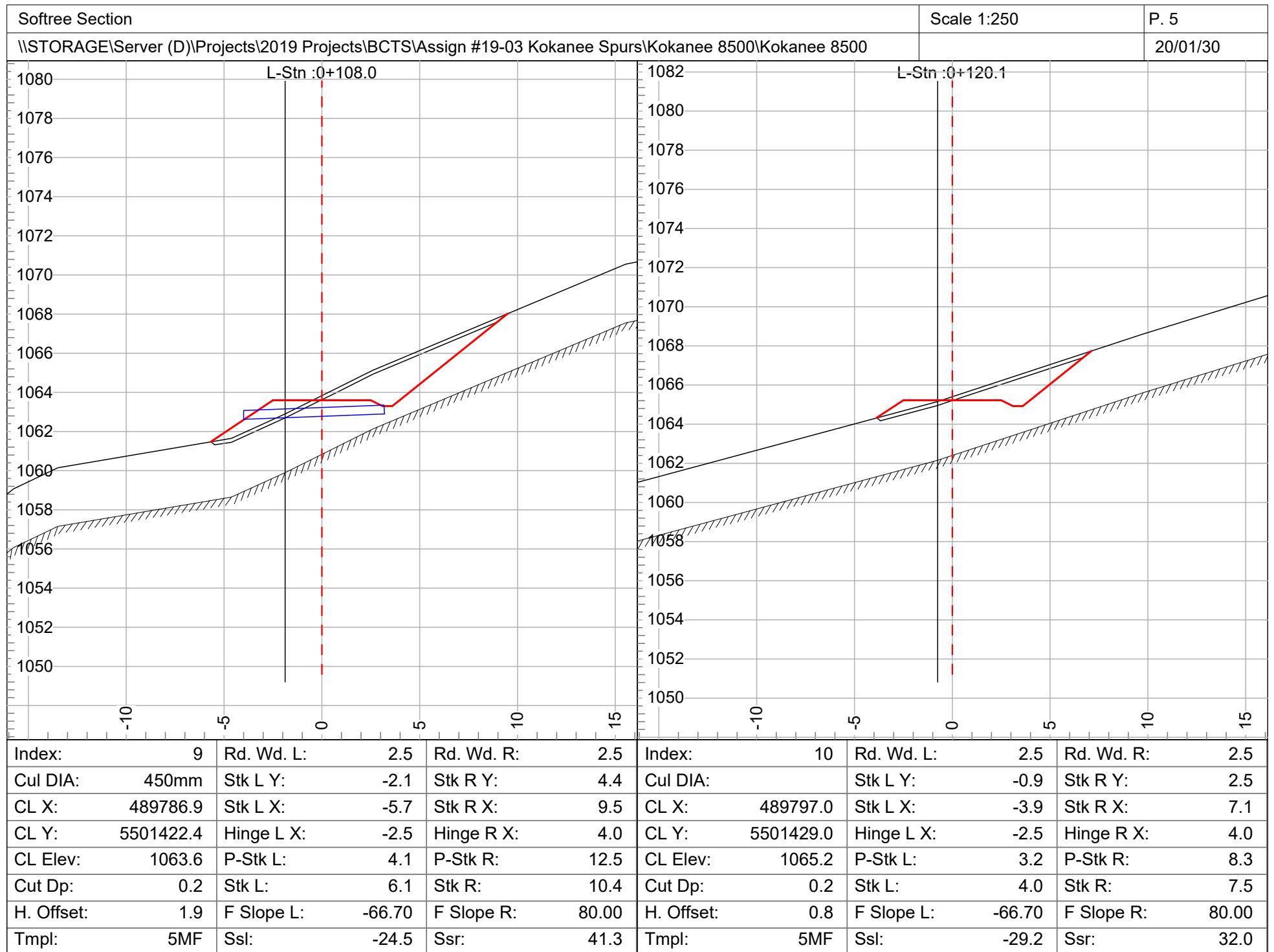
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L-Stn:		451.45	Stk L Y:	cut or fill to grade	4.22	Stk R Y:	cut or fill to grade	-6.04
CL X:	UTM co-ordinates	522202.62	Stk L X:	horizontal distance	-8.57	Stk R X:	horizontal distance	11.56
CL Y:	UTM co-ordinates	5504638.06	Hinge L X:	from L-Line	-3.60	Hinge R X:	from L-Line	2.50
CL Elev:		1256.34	P-Stk L:	Slope distance from P-Line	10.96	P-Stk R:	Slope distance from P-Line	11.64
Cut Dp:	at L-Line	-0.15	Stk L:	Slope distance from L-Line	9.62	Stk R:	Slope distance from L-Line	12.98
H. Offset:		-1.20	F Slope L:	cut slope (1.1:1)	91	F Slope R:	fill slope (1.5:1)	-67
Tmpl:		5M	Ssl: (Av)	original ground slope	51	Ssr: (Av)	original ground slope	-51

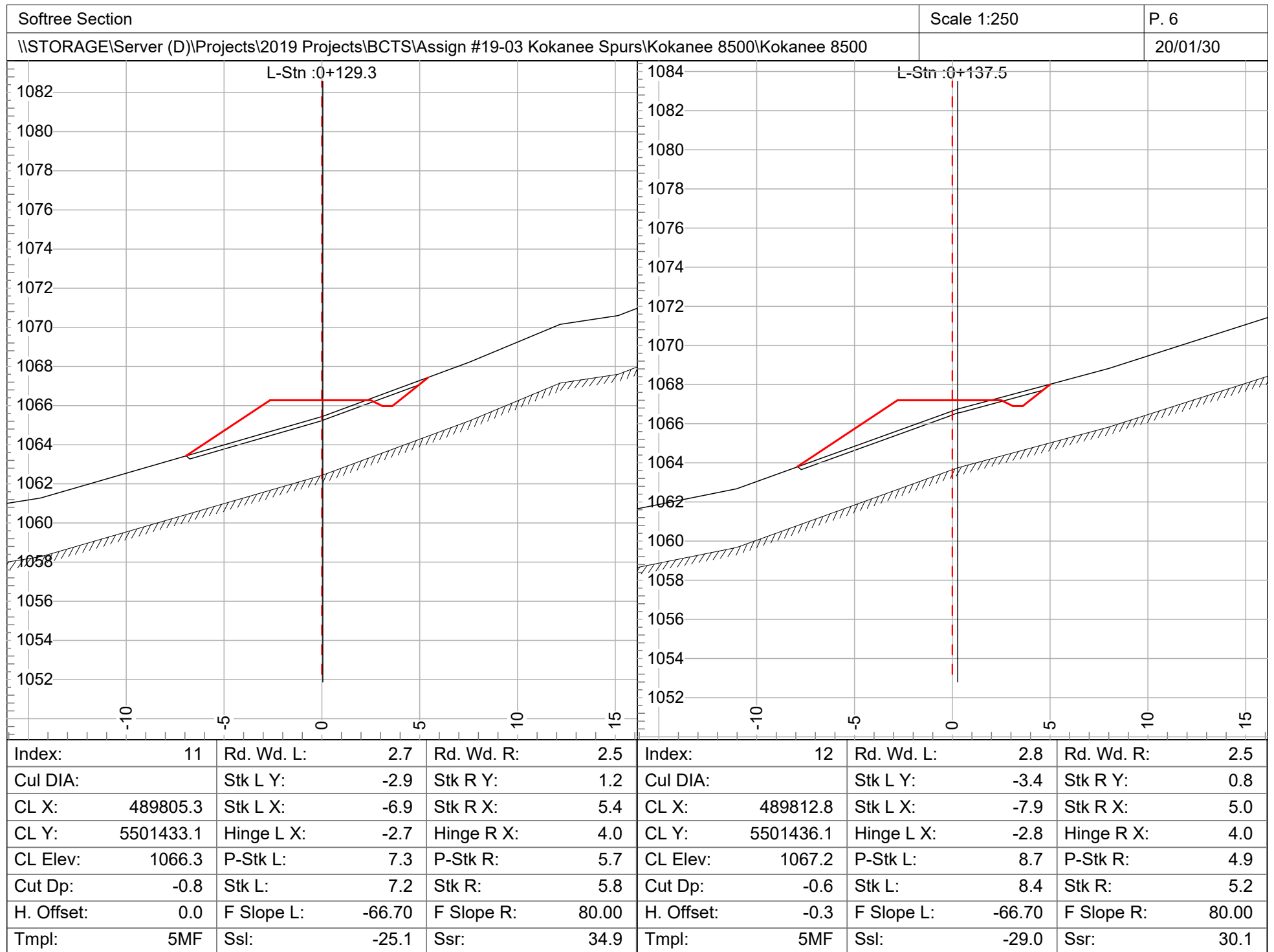


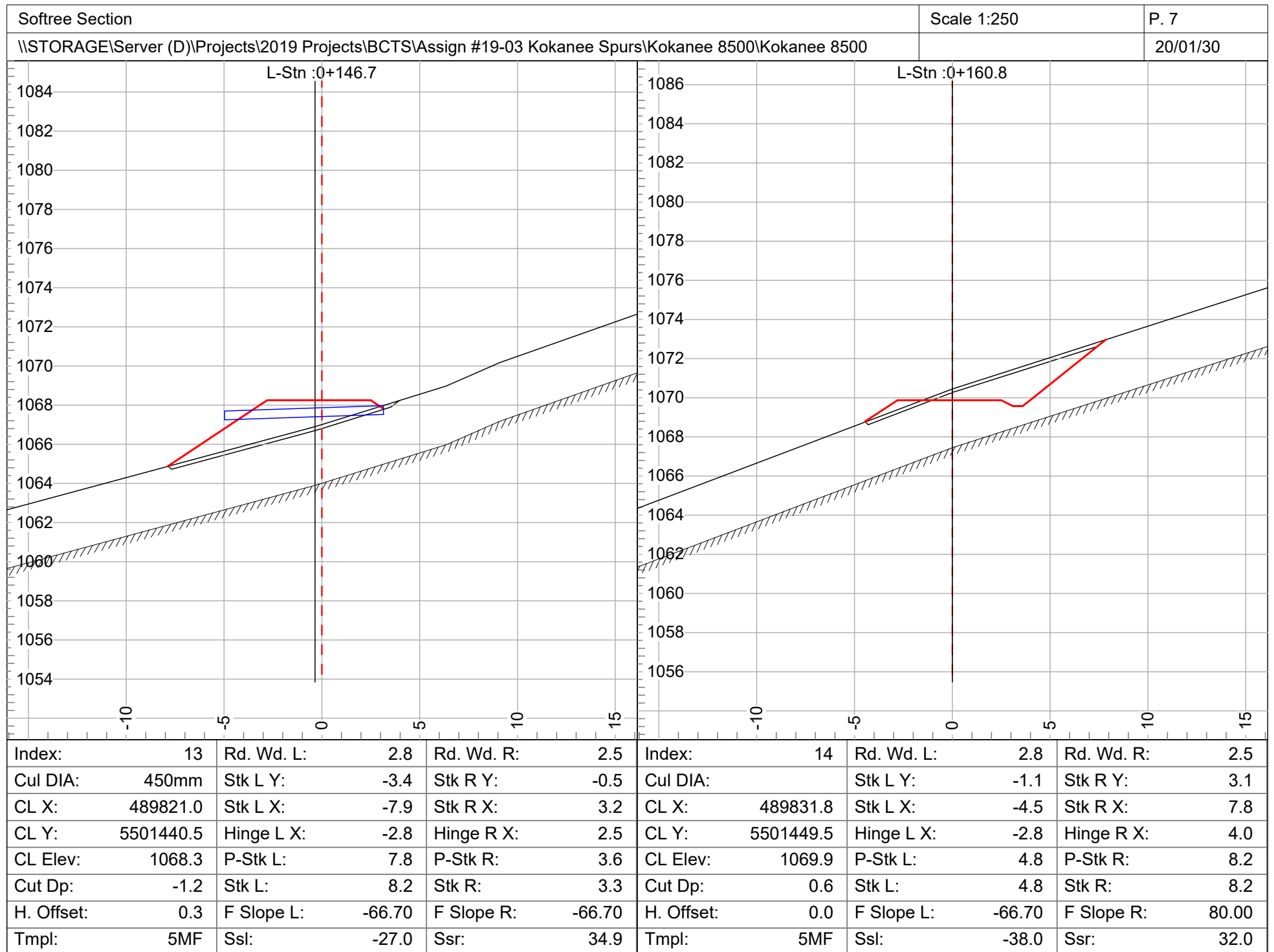


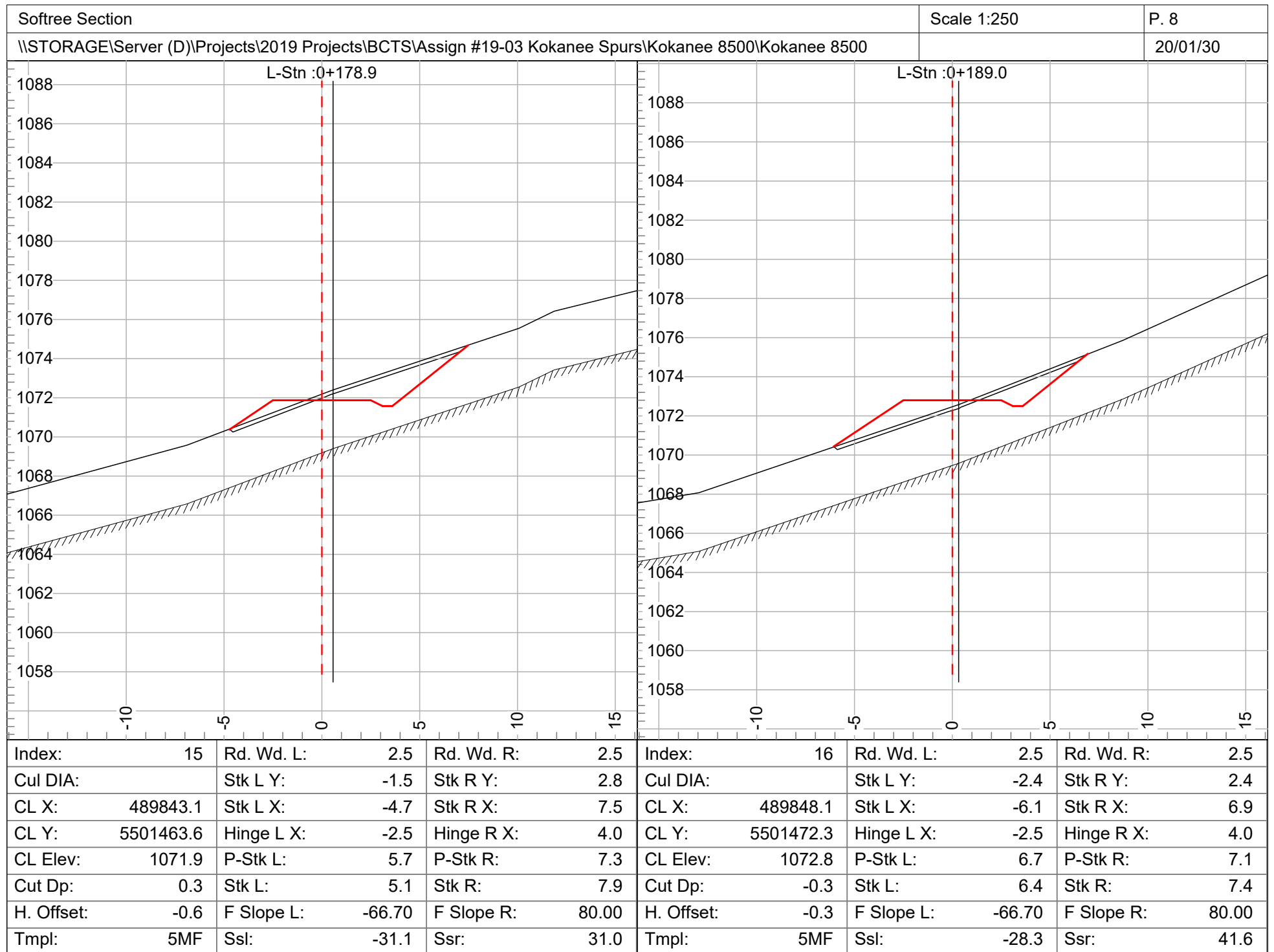


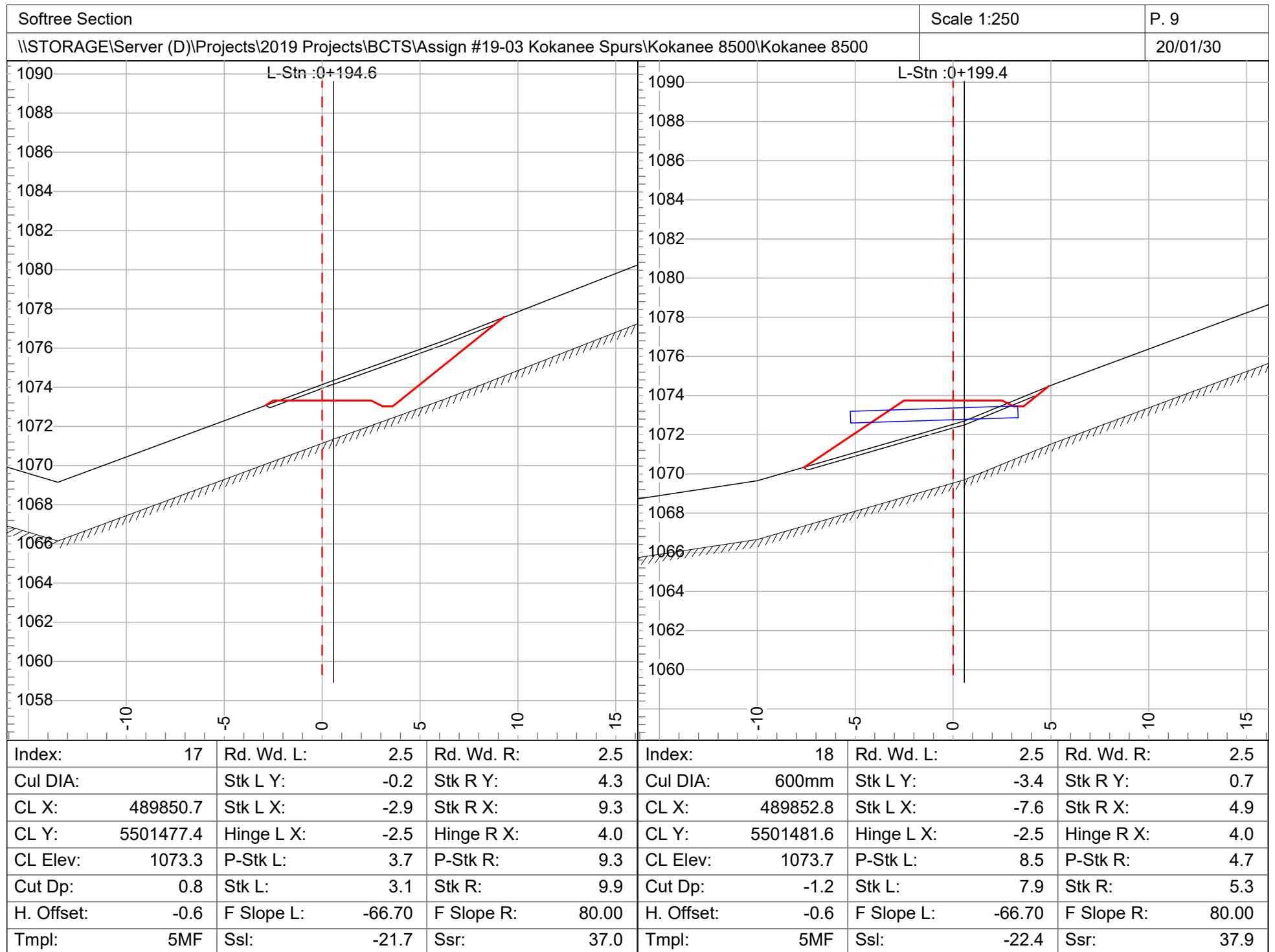


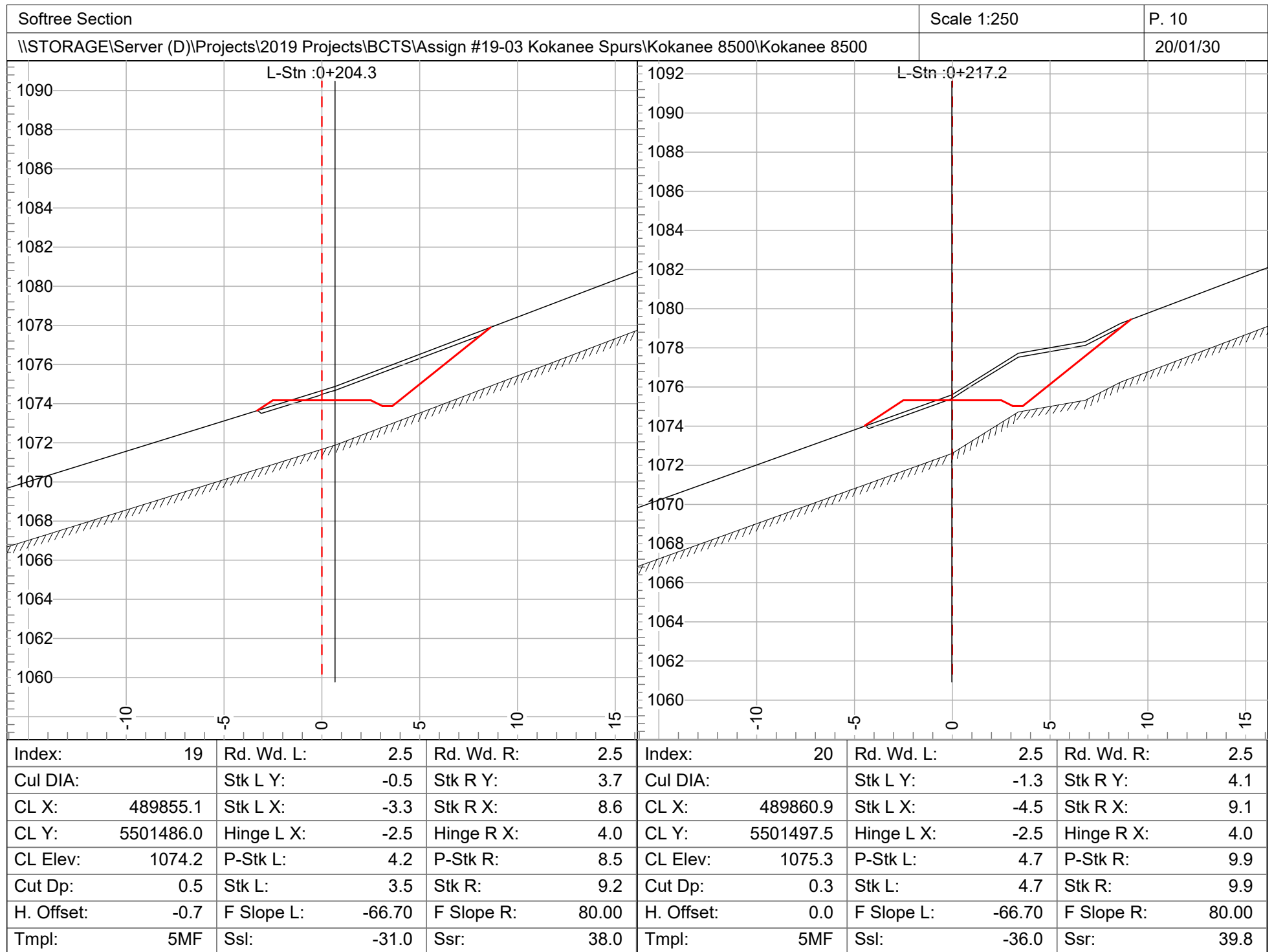


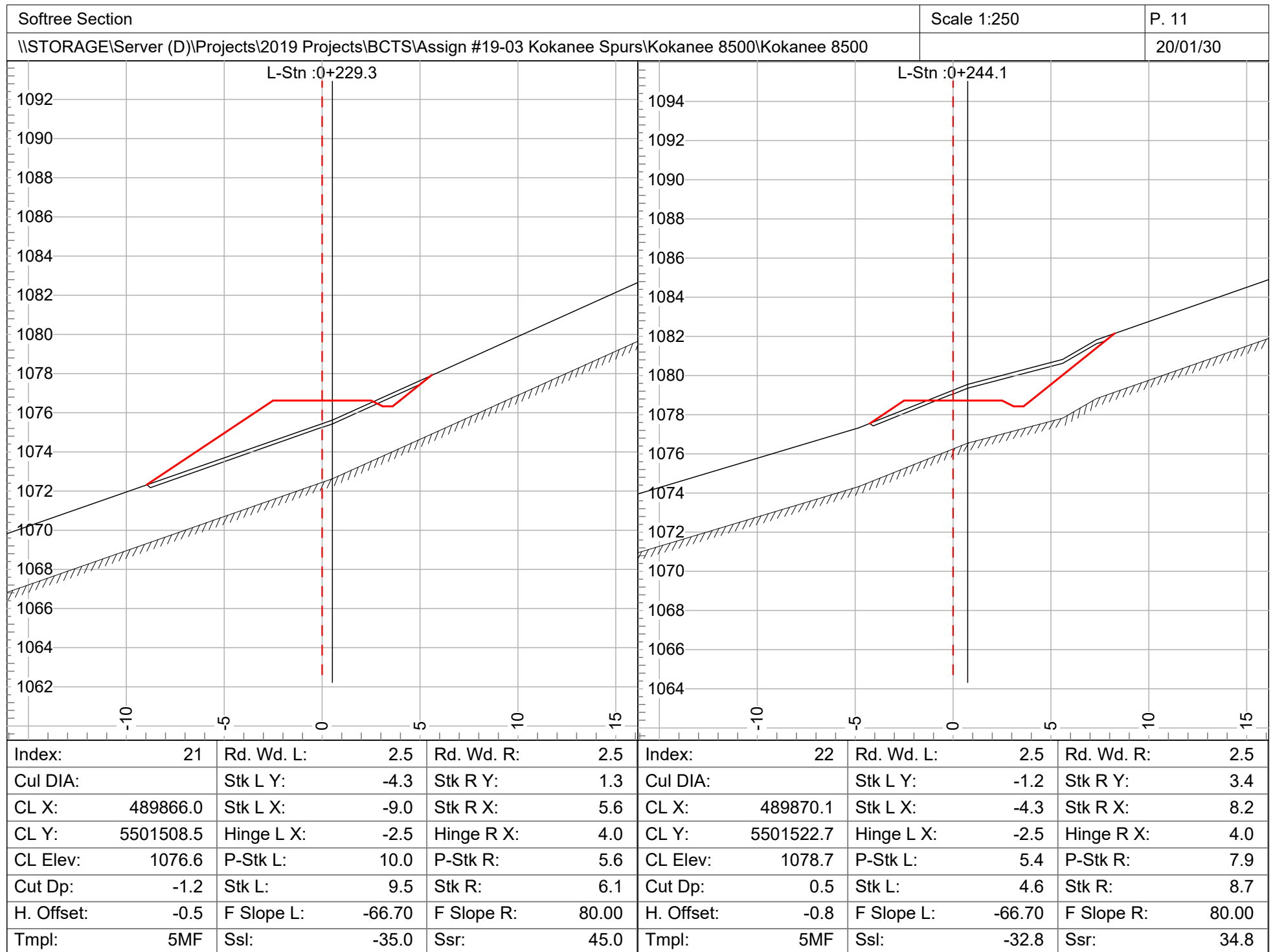


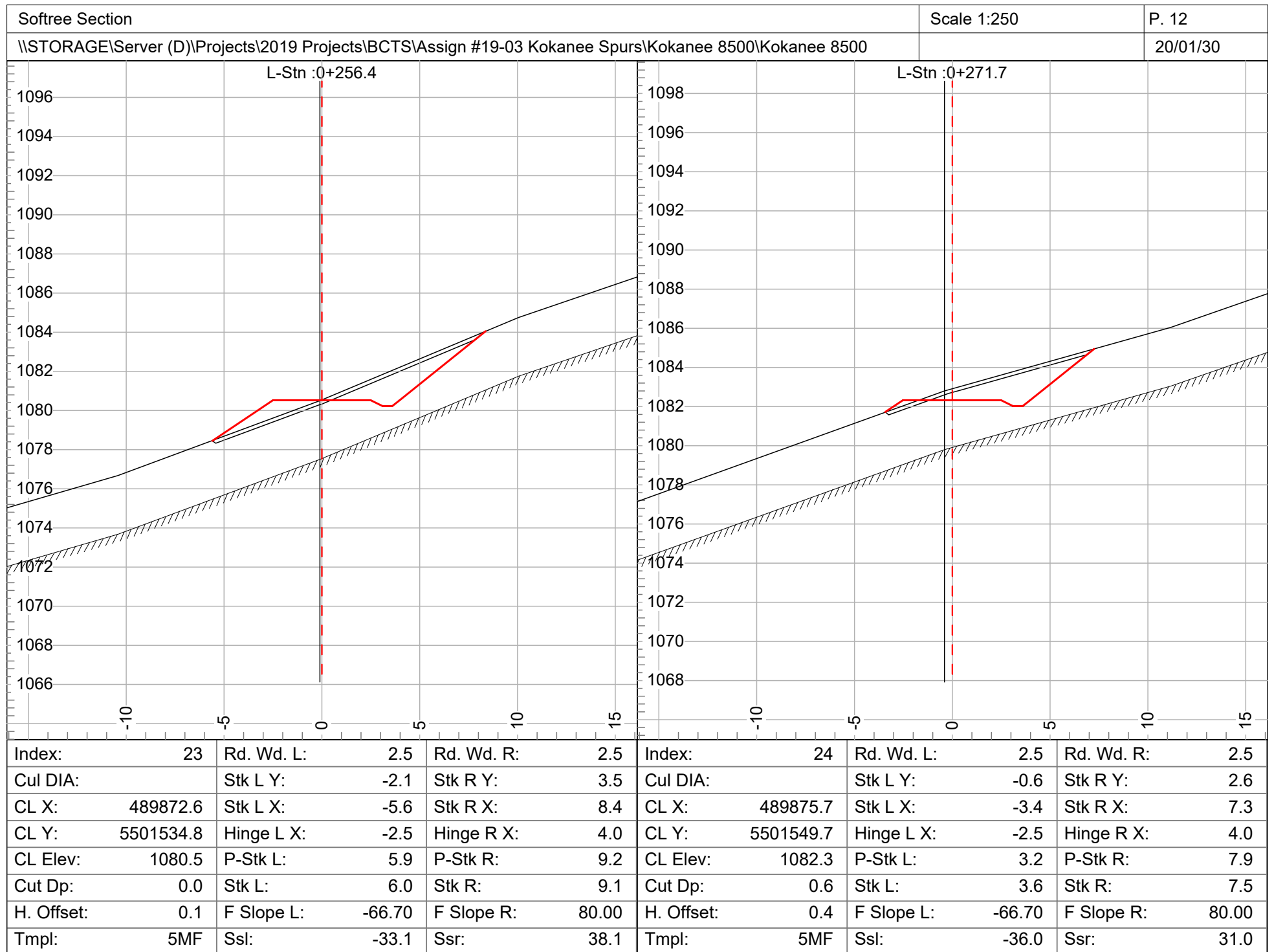


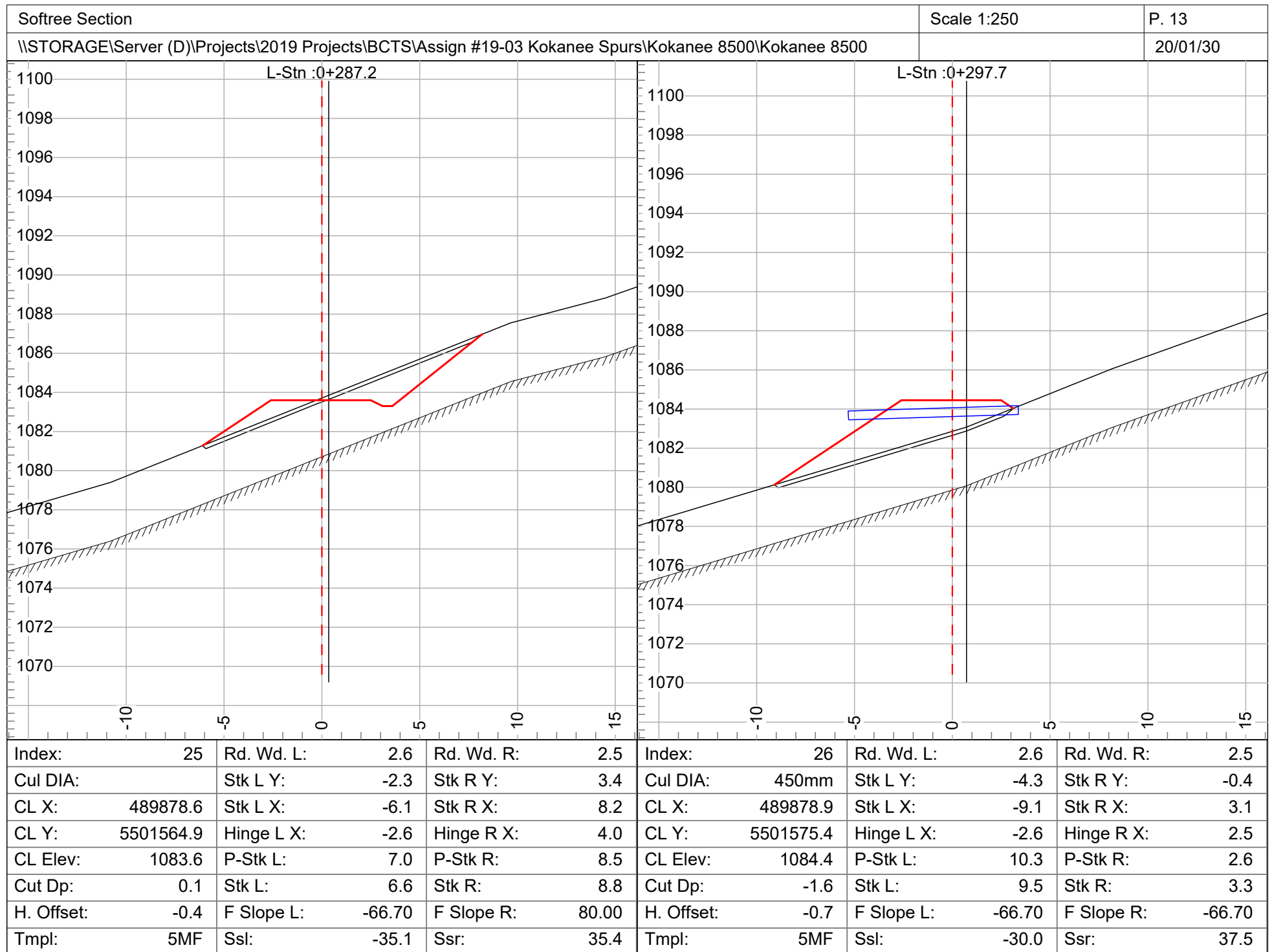


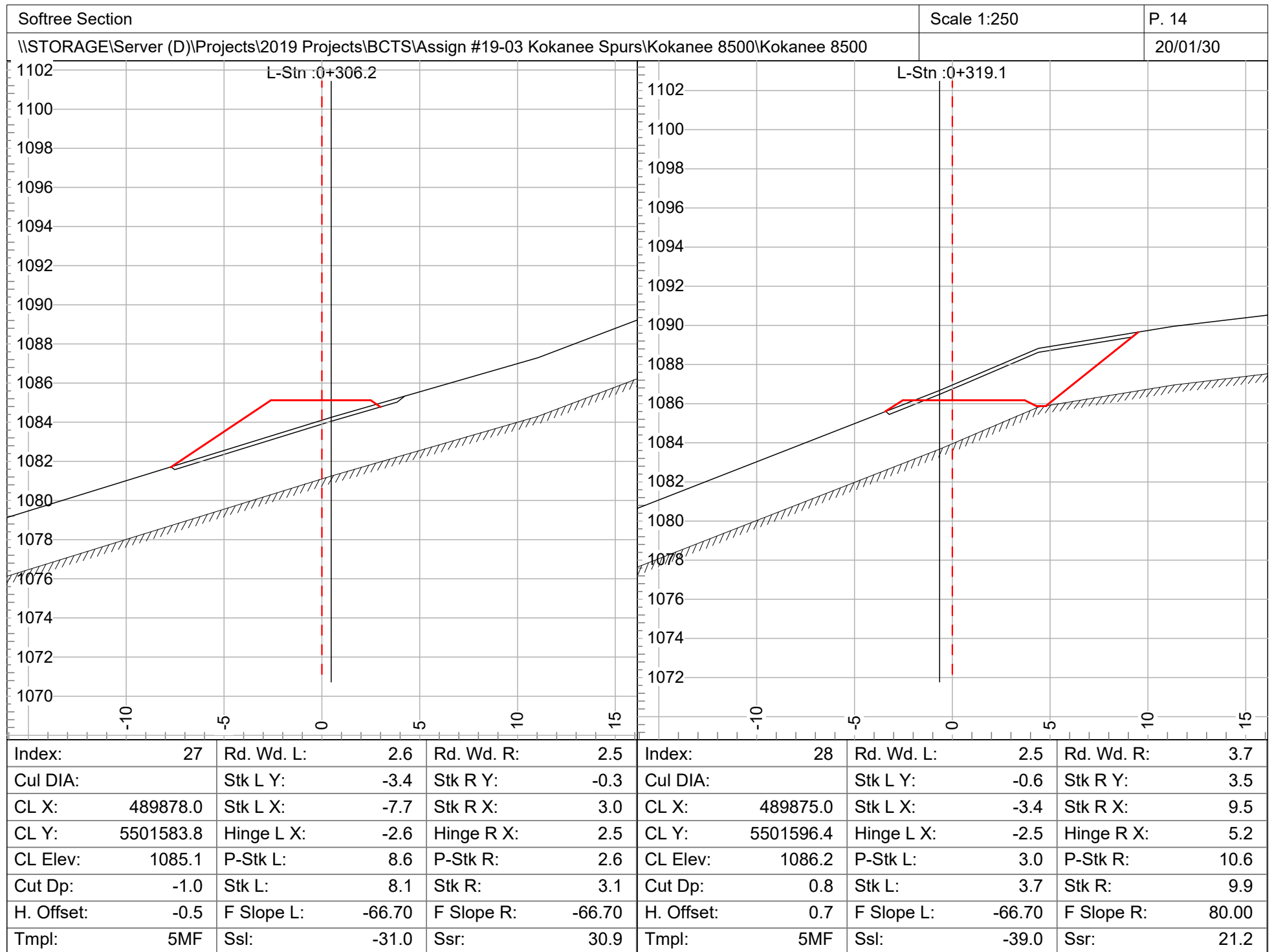


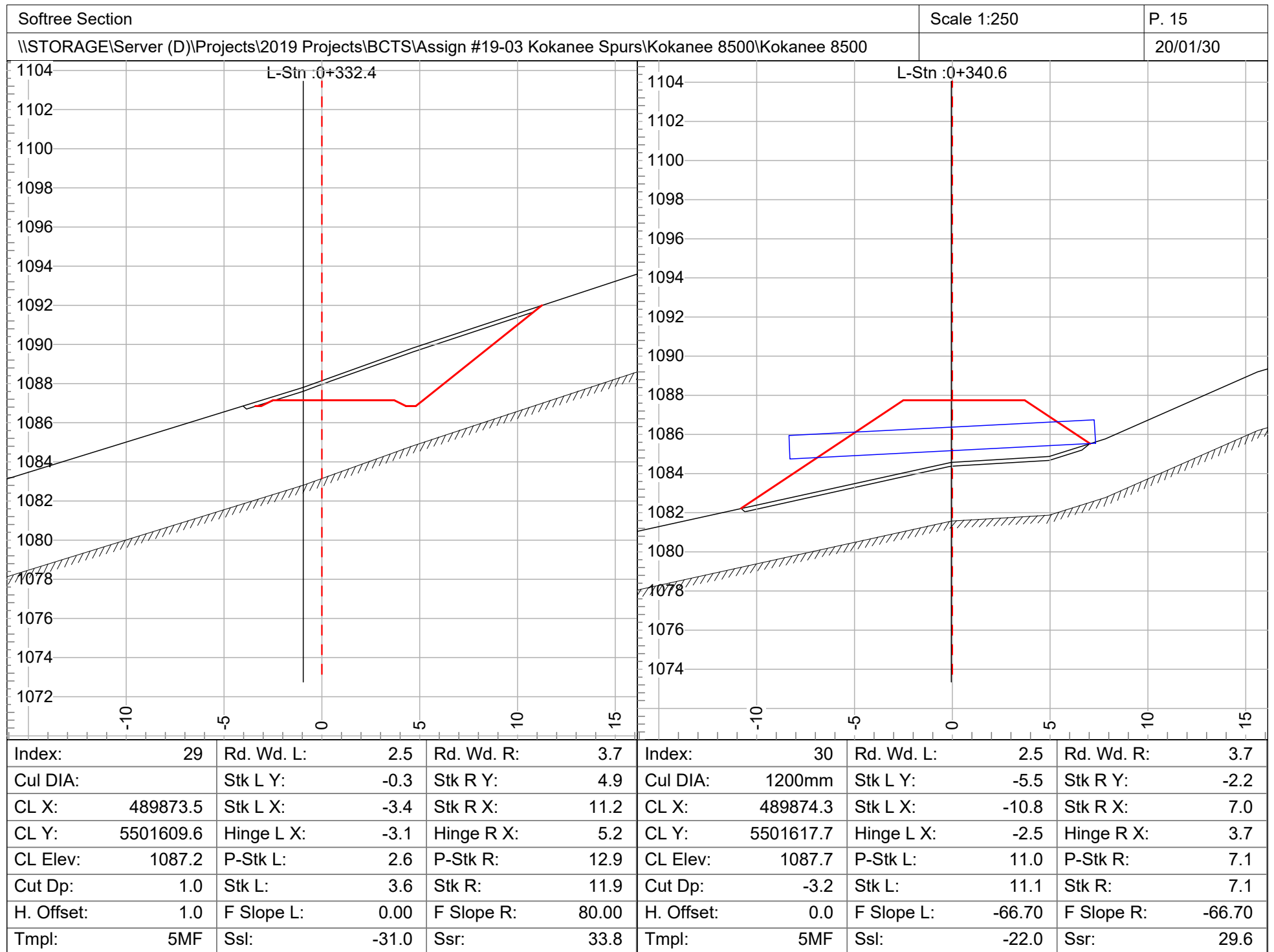


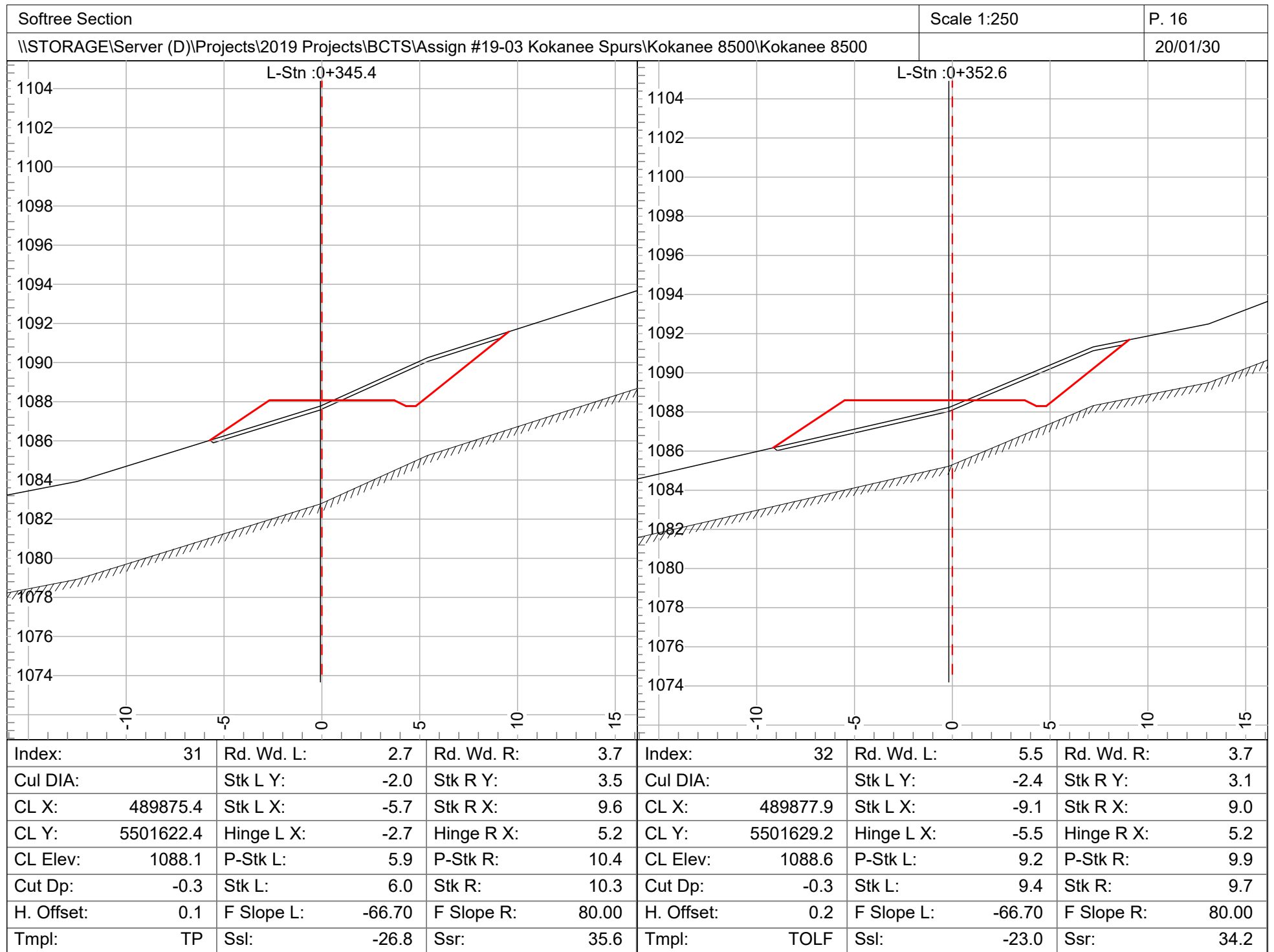


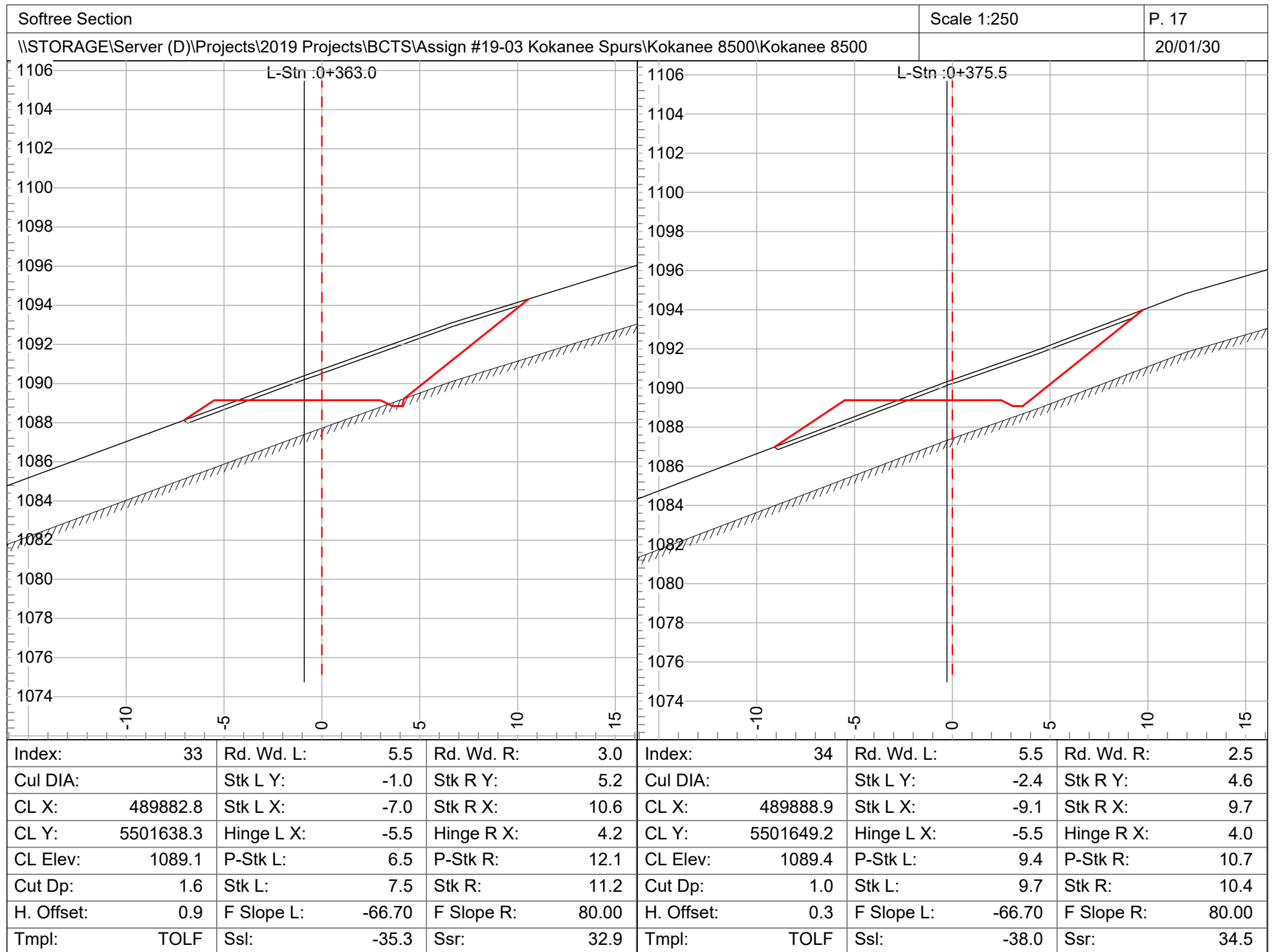


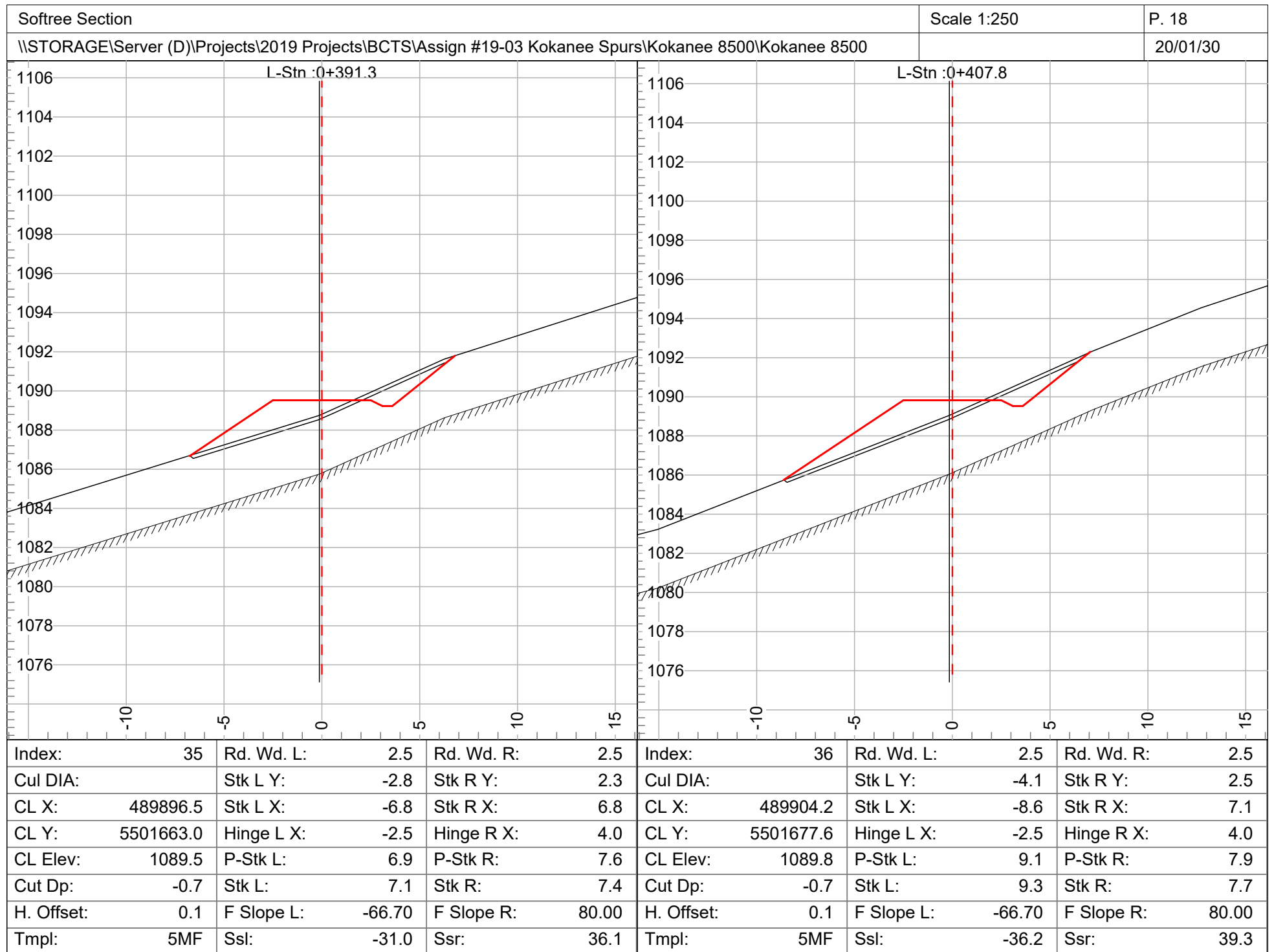


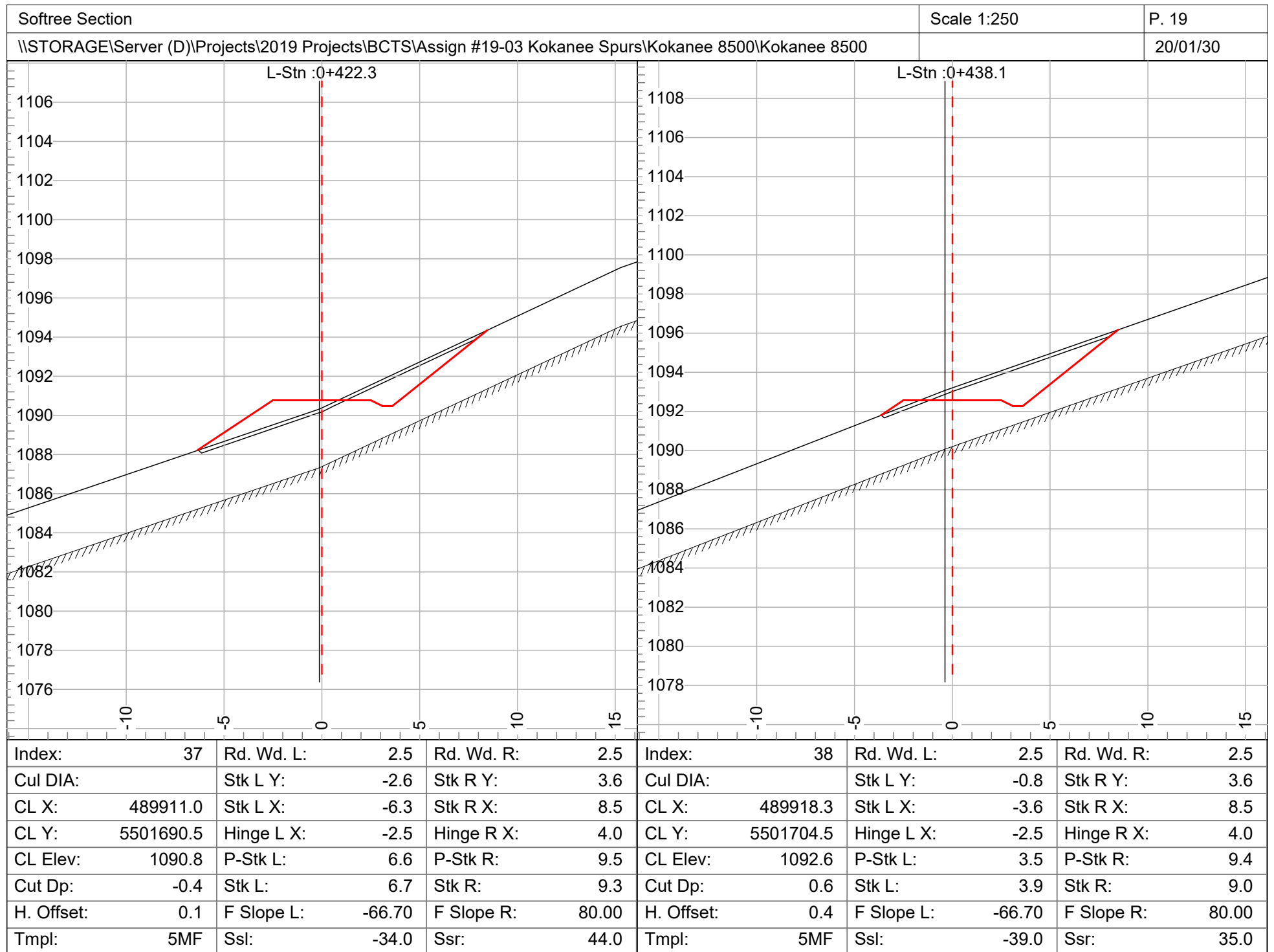


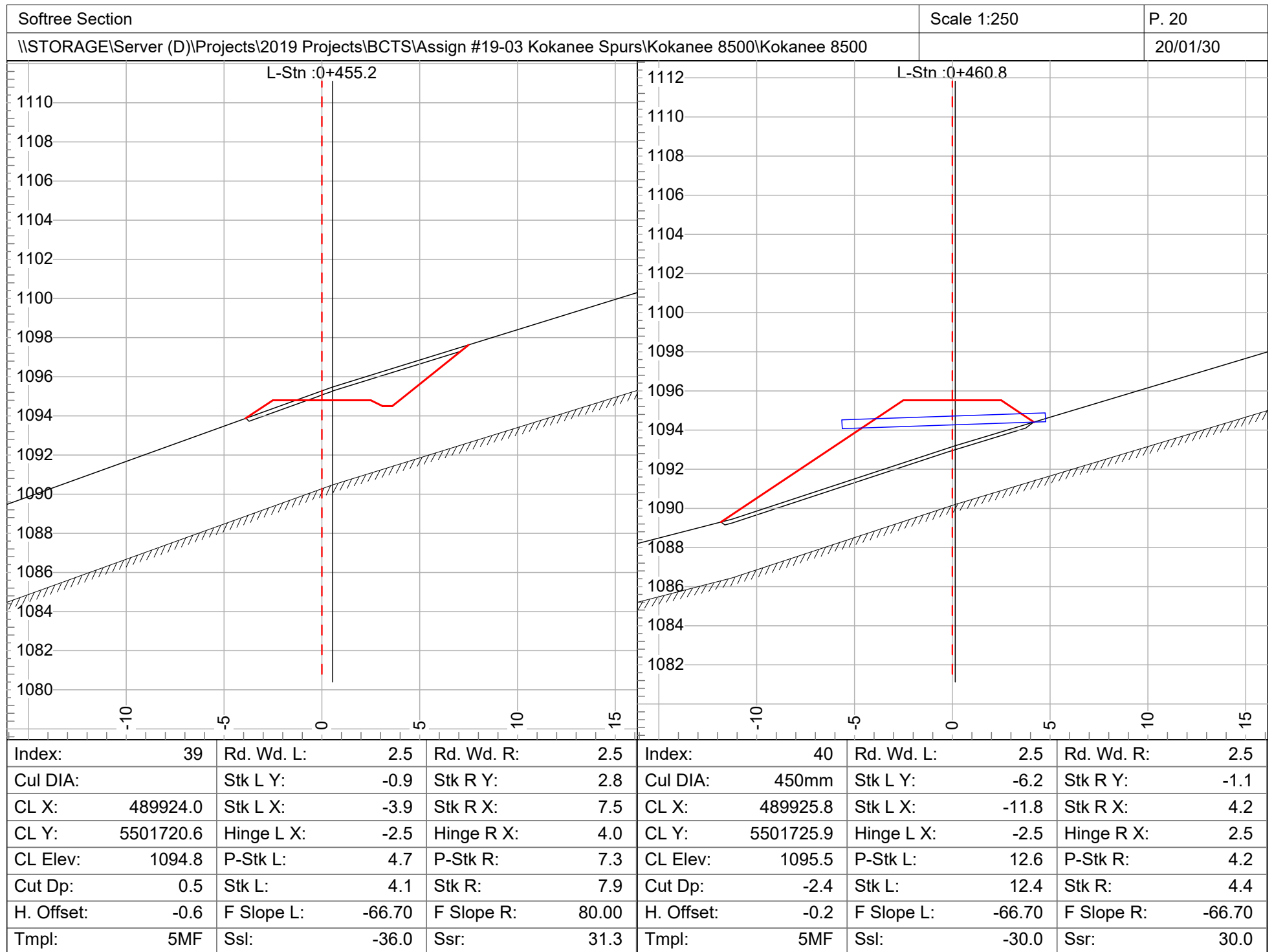


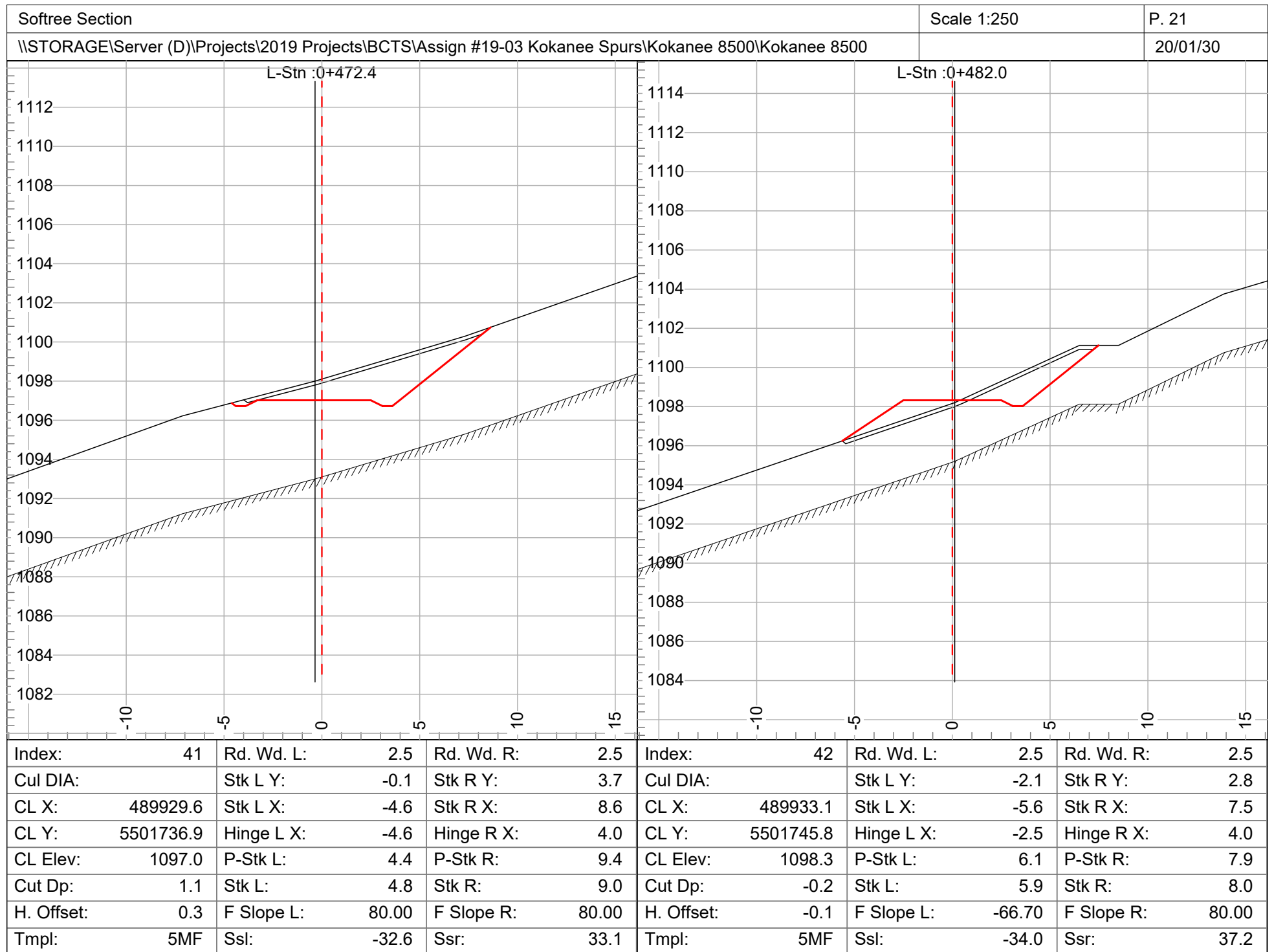


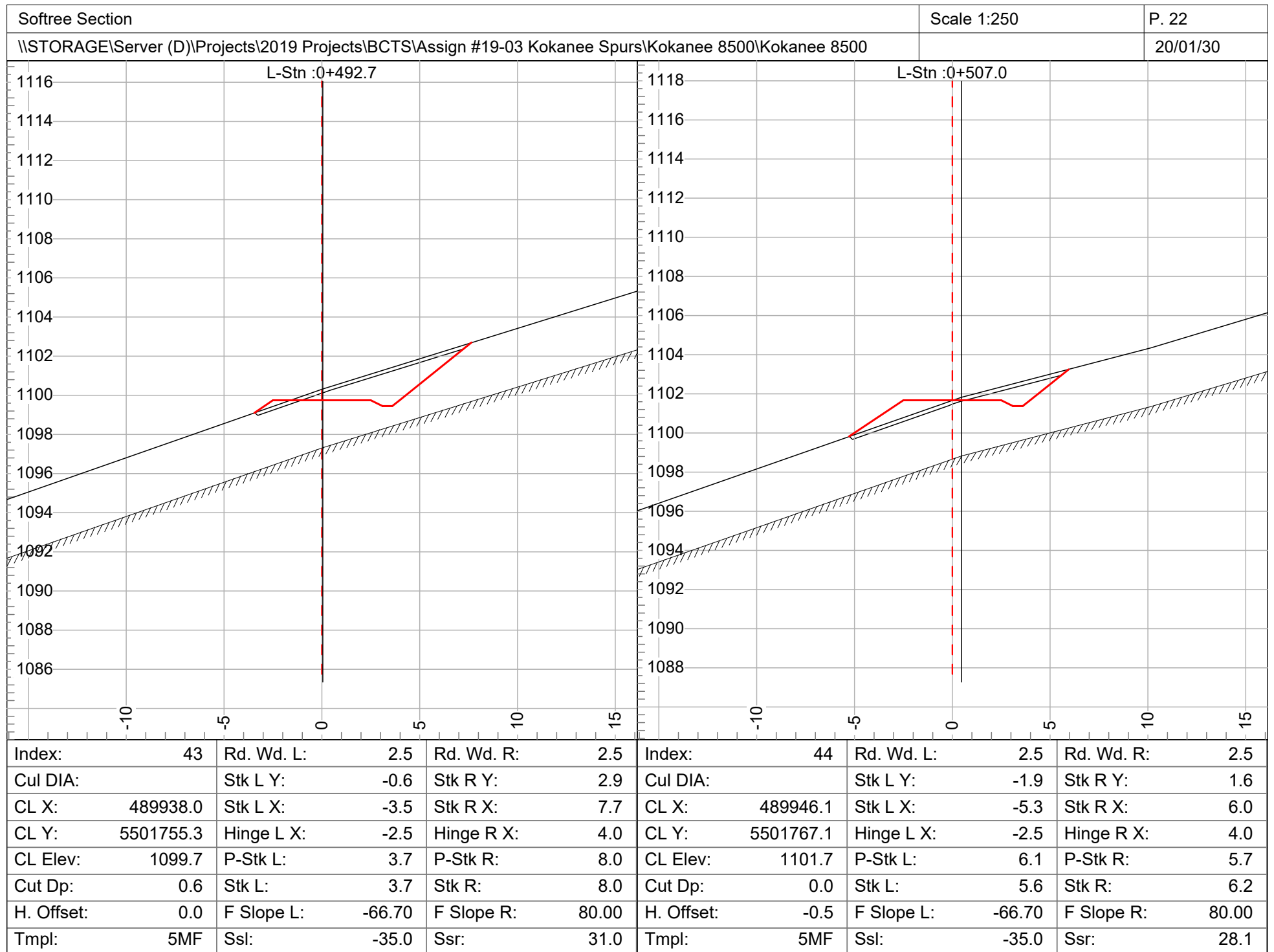


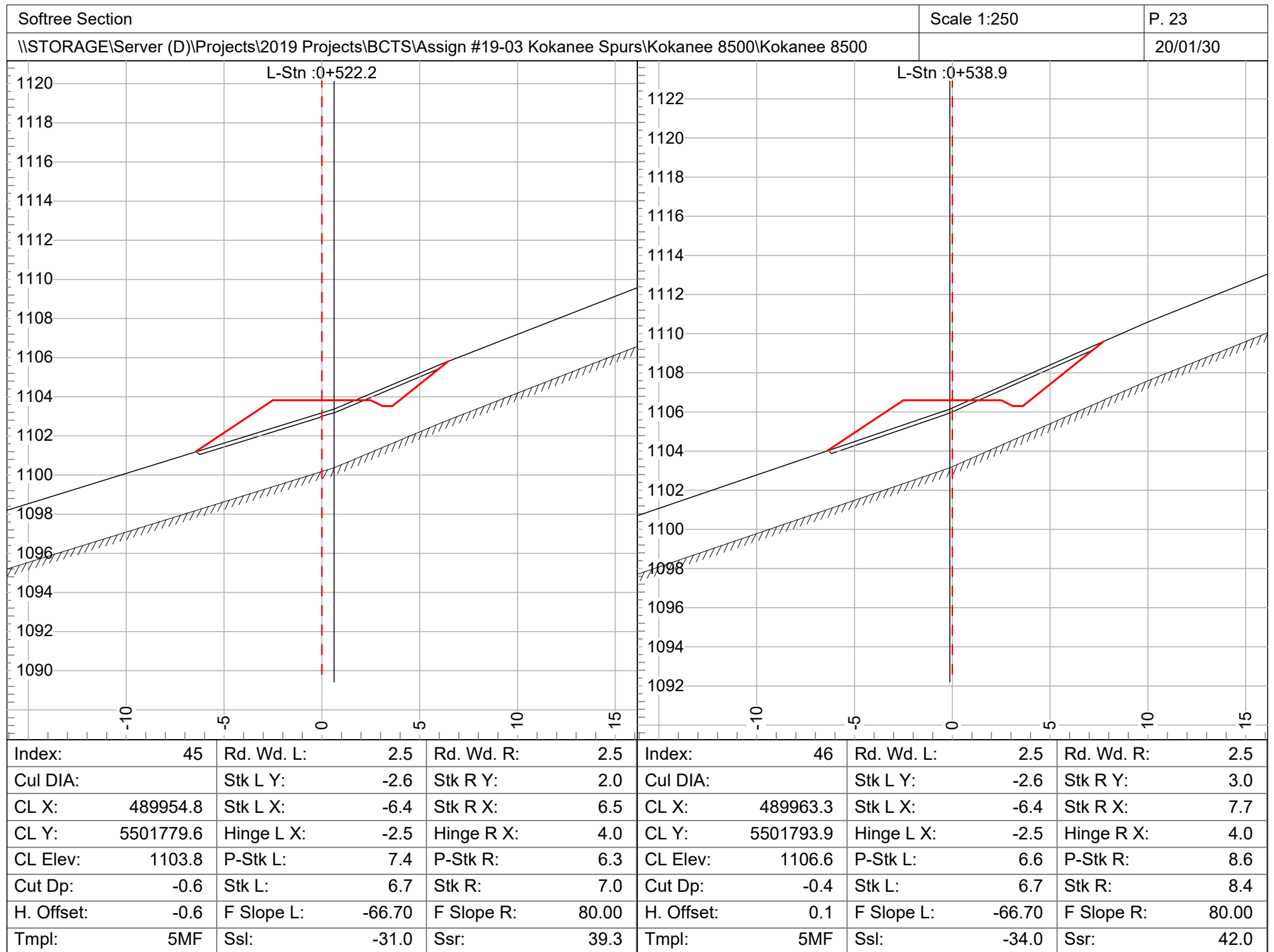


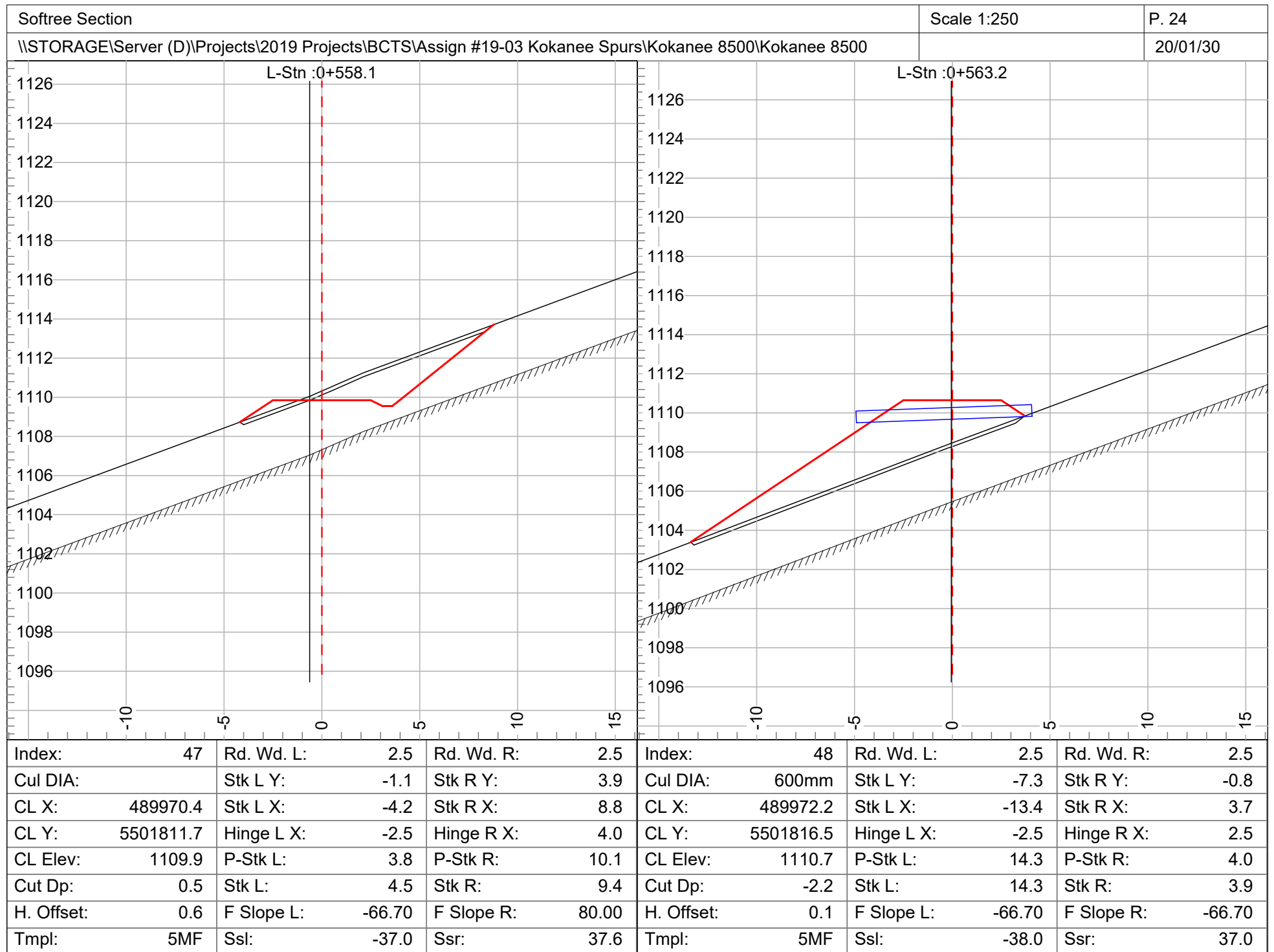


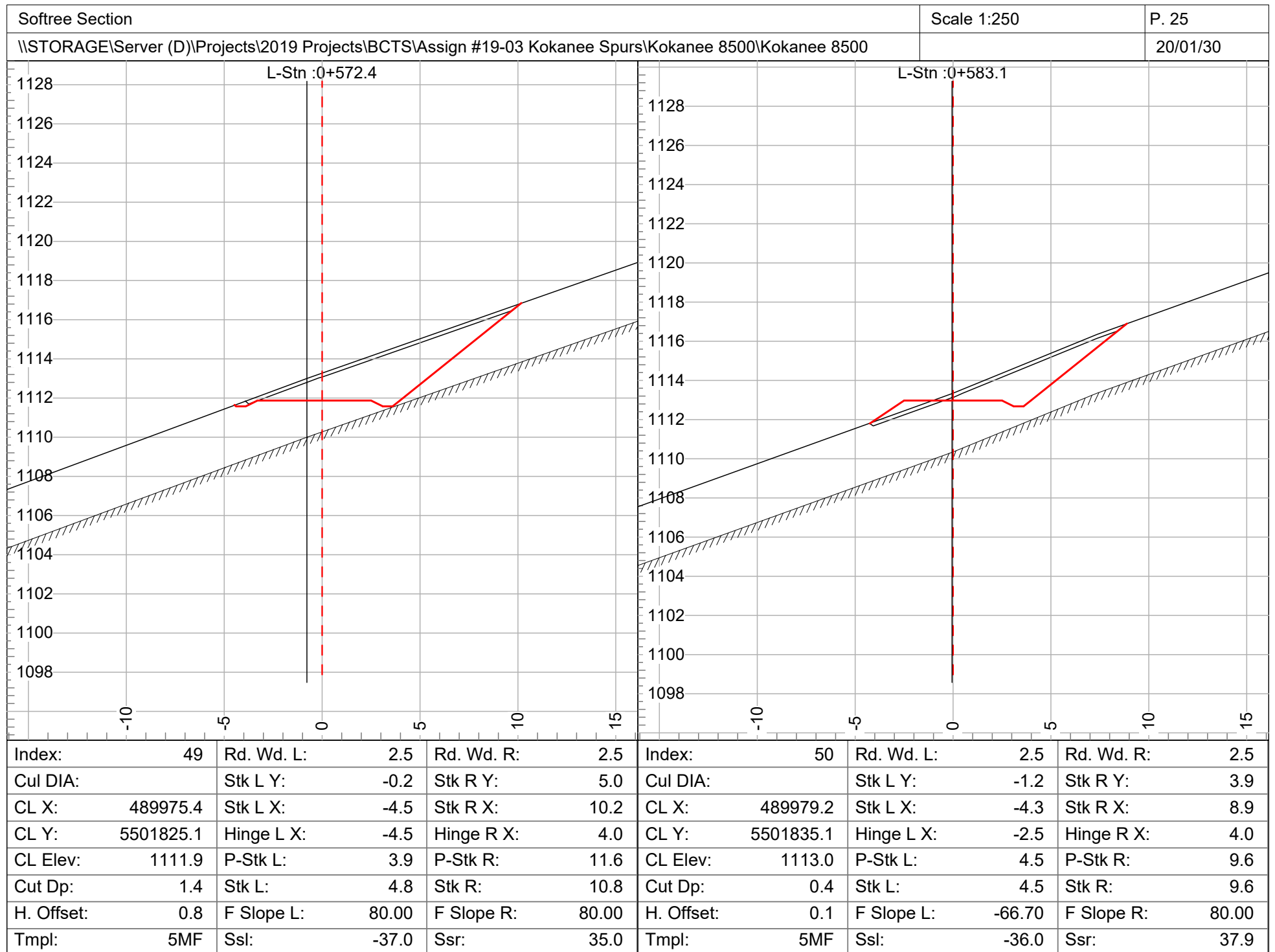


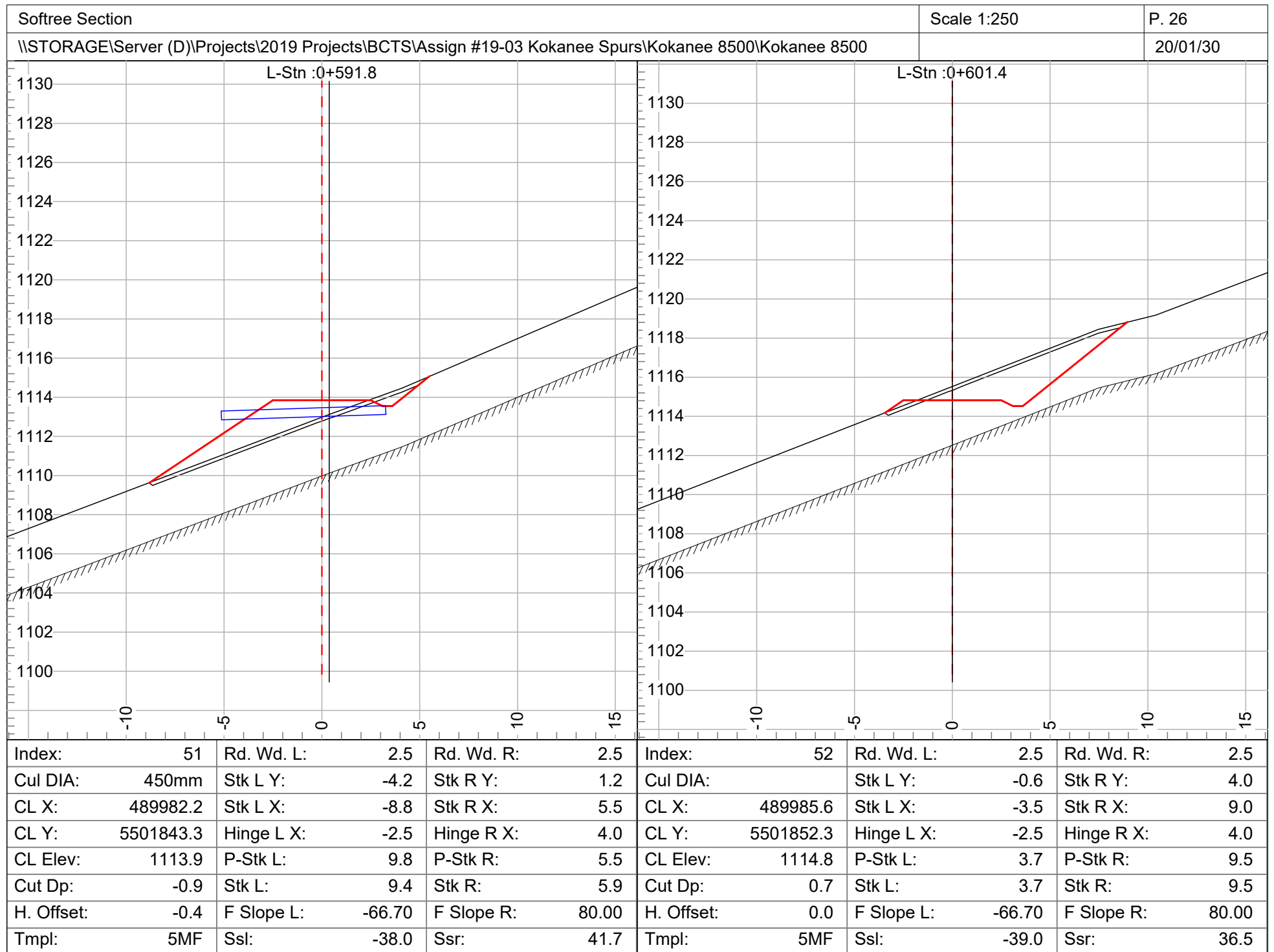


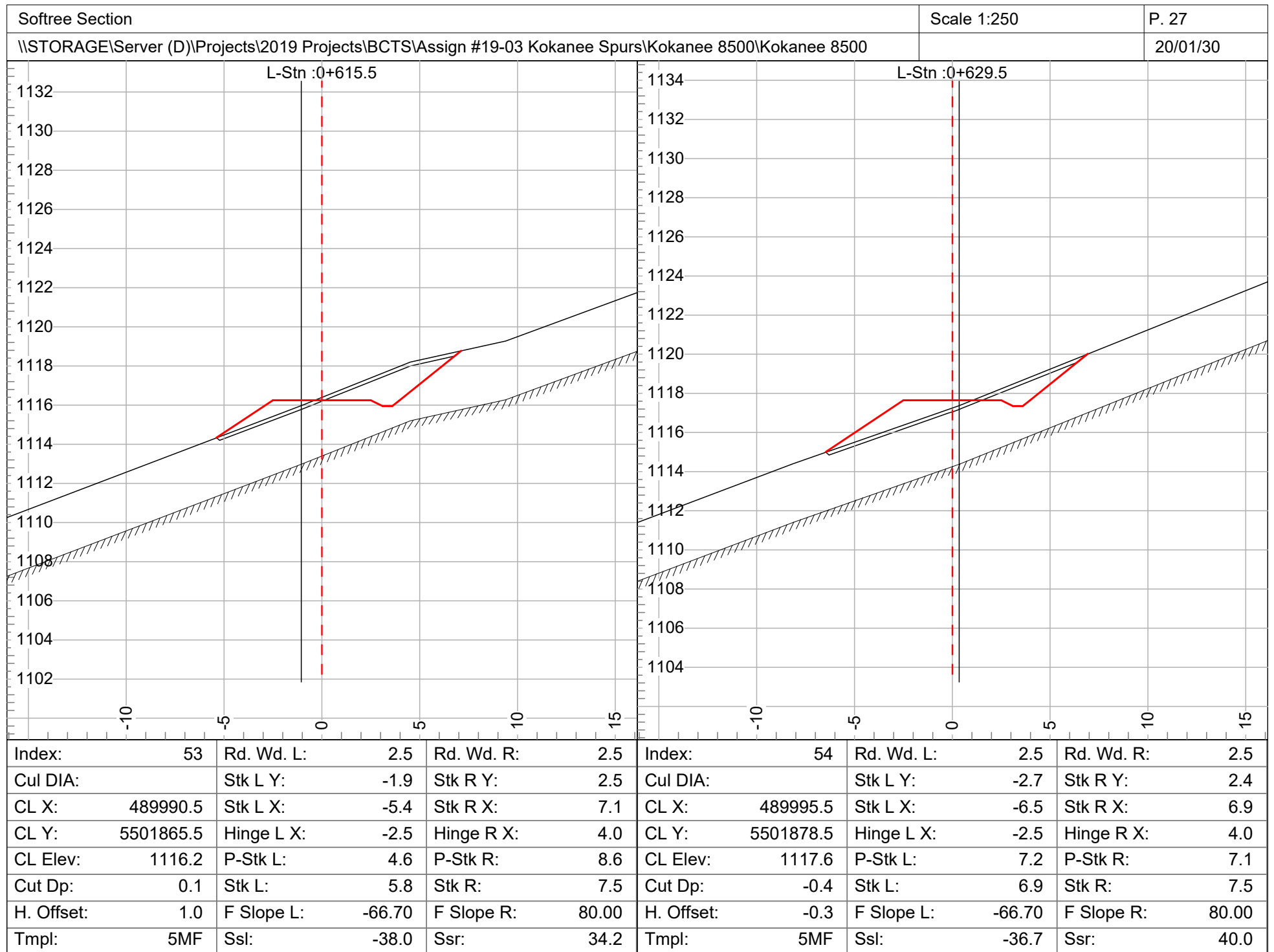


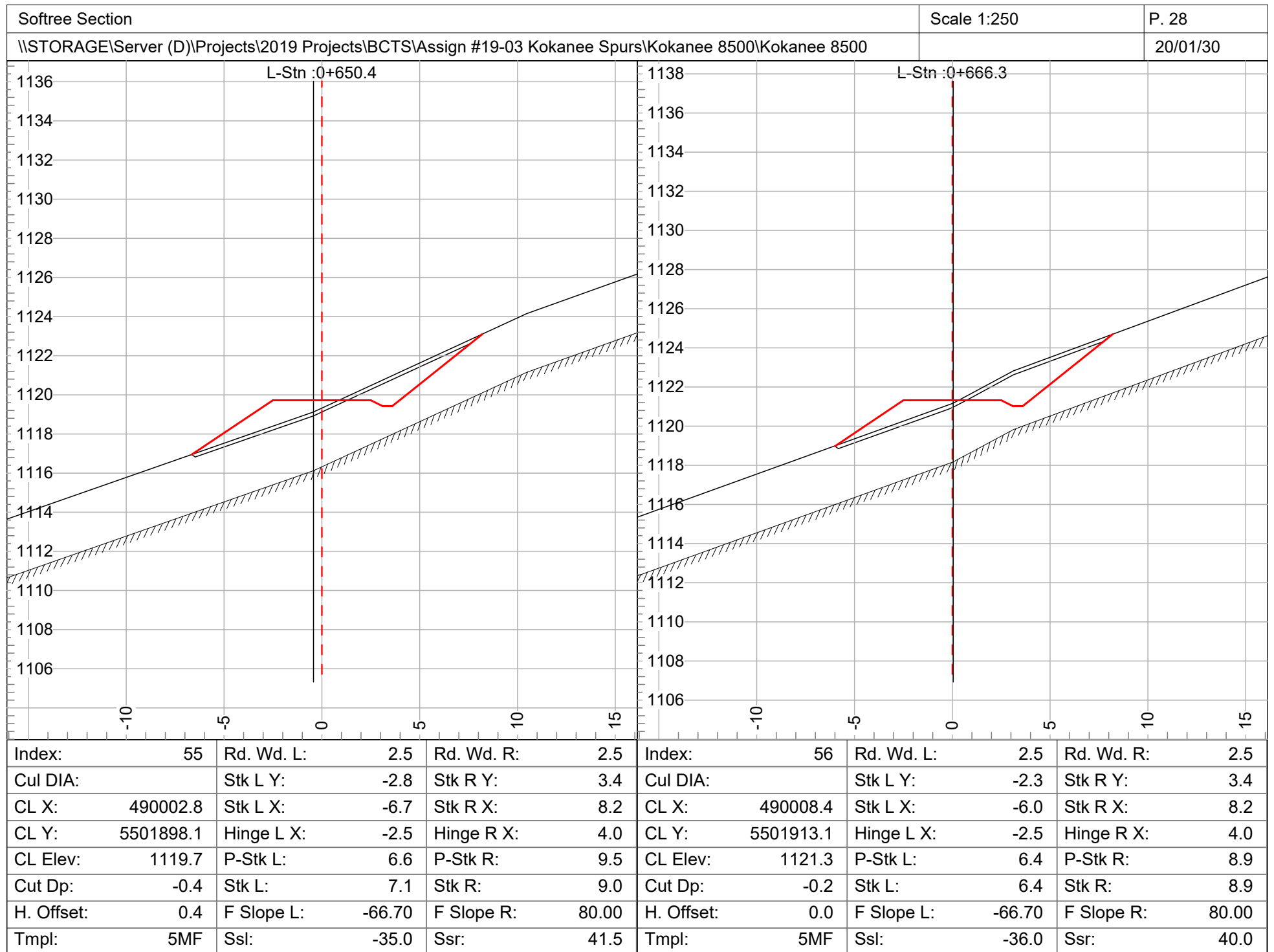


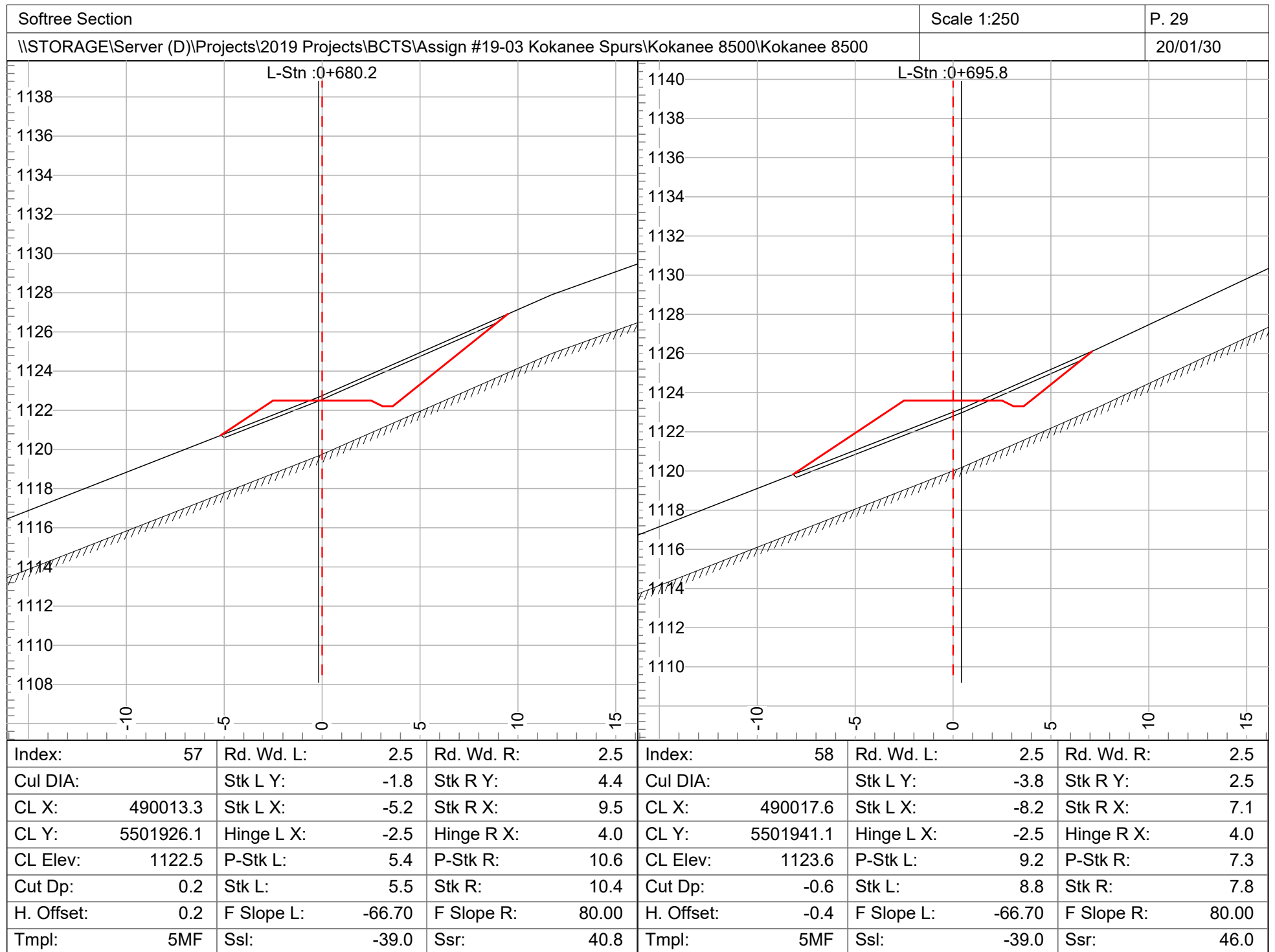


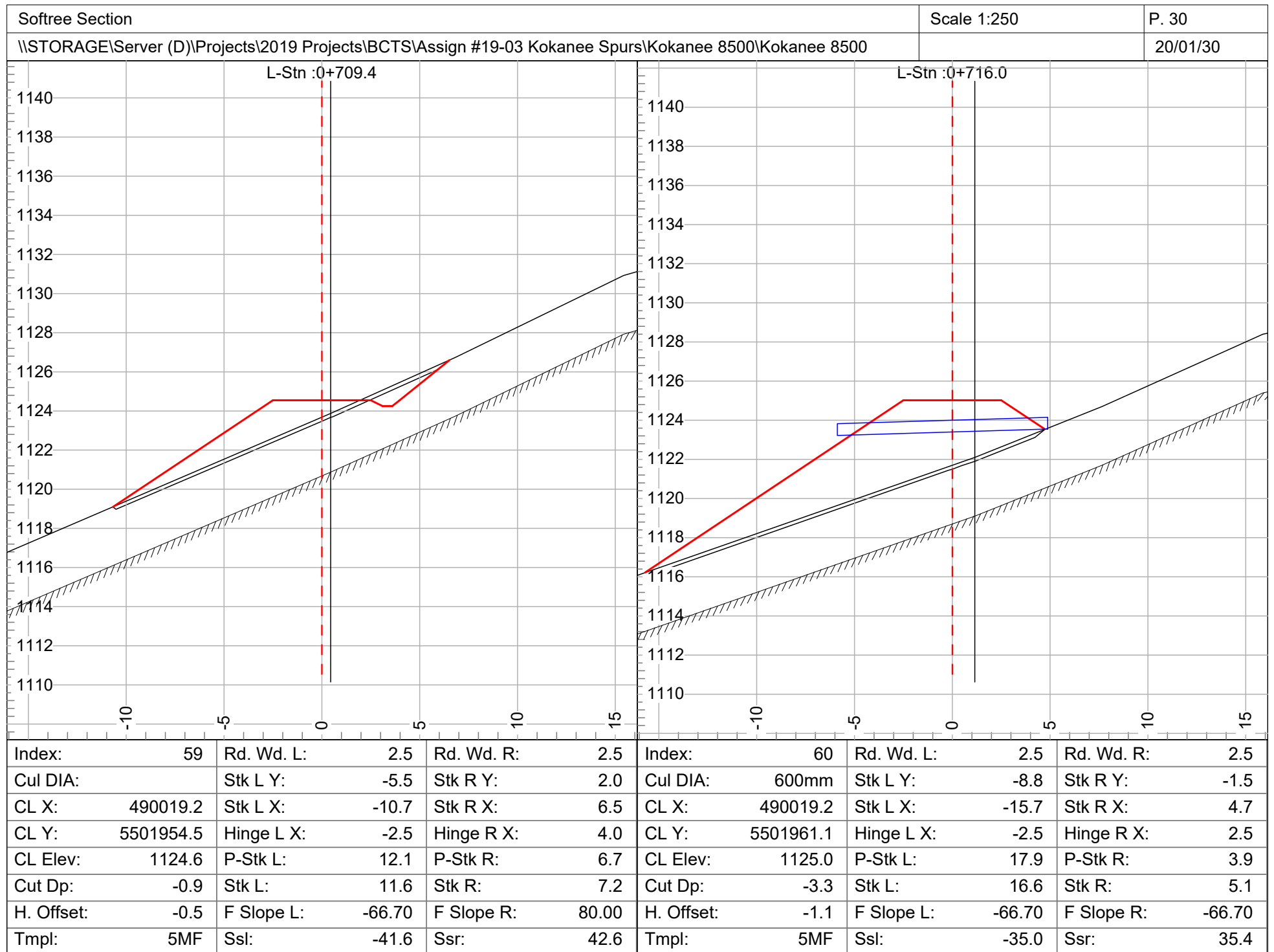


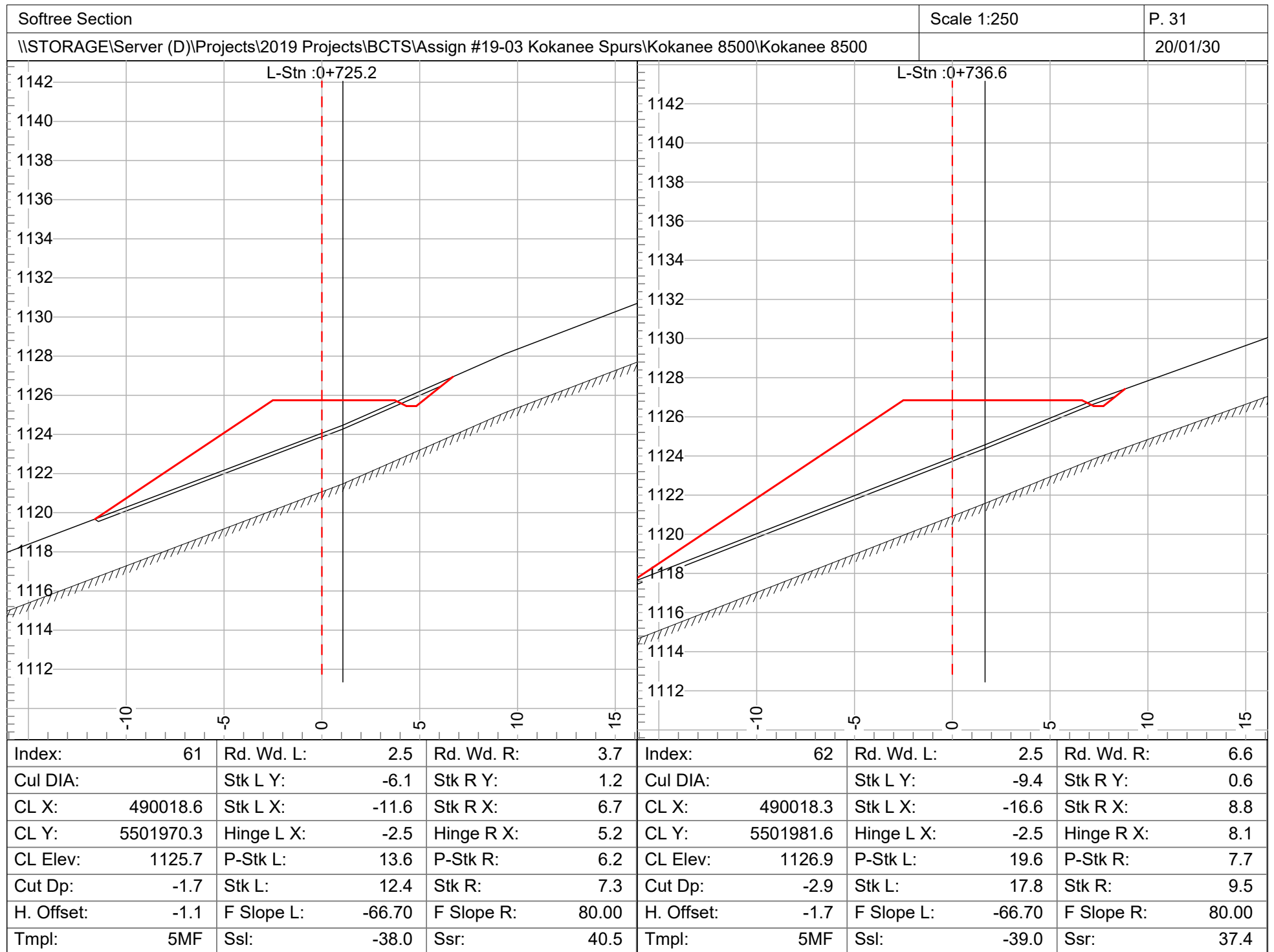


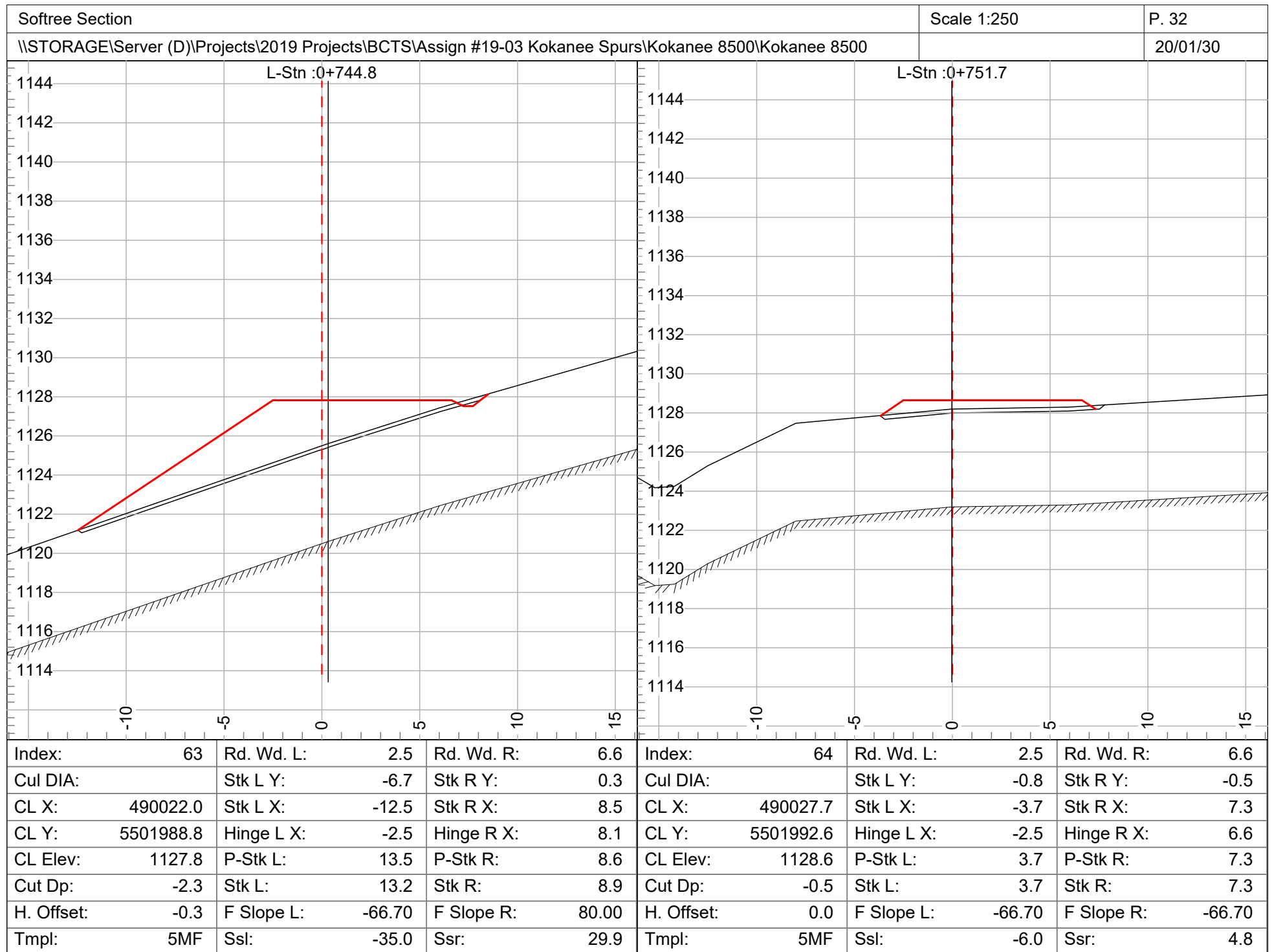


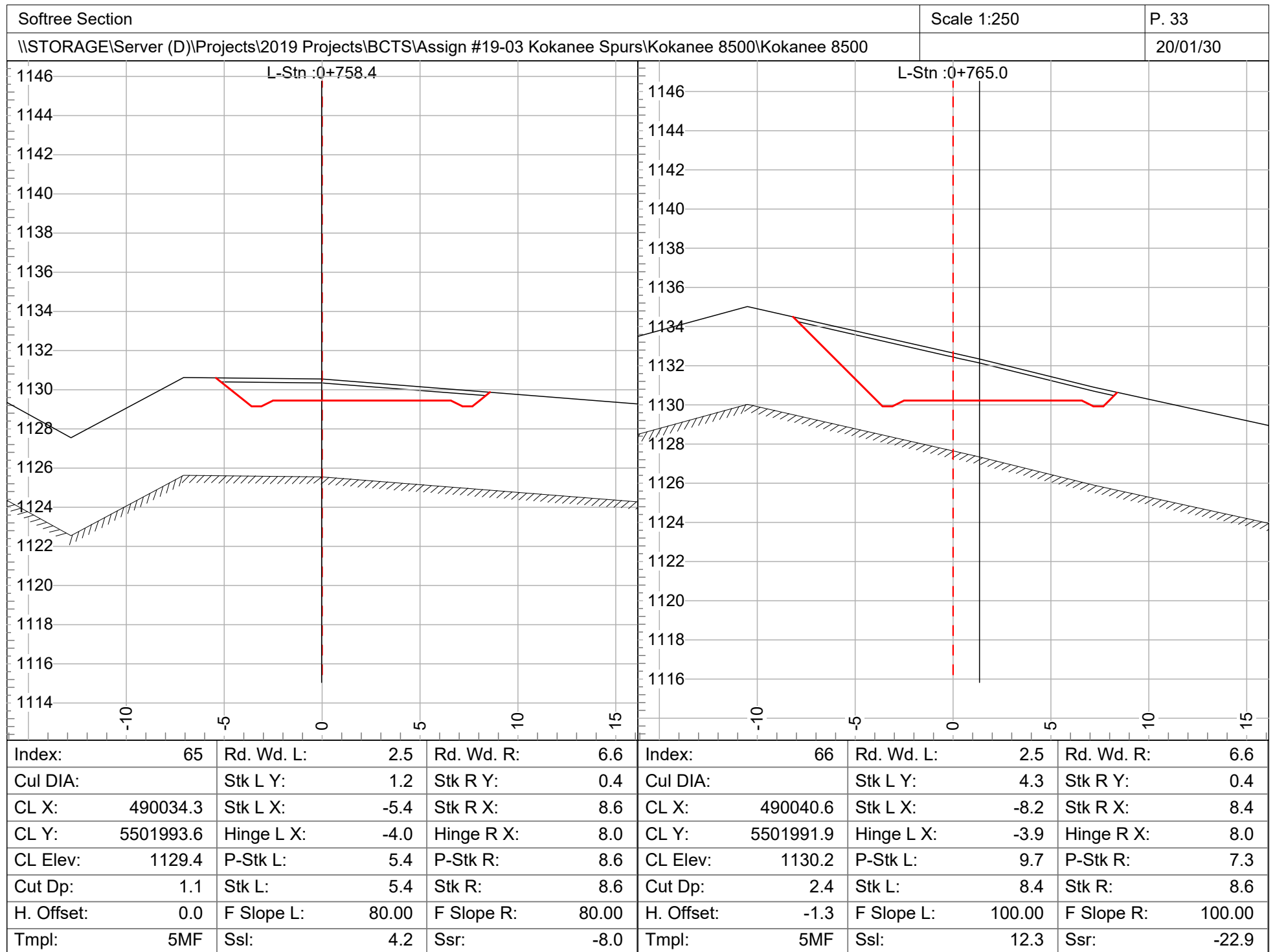


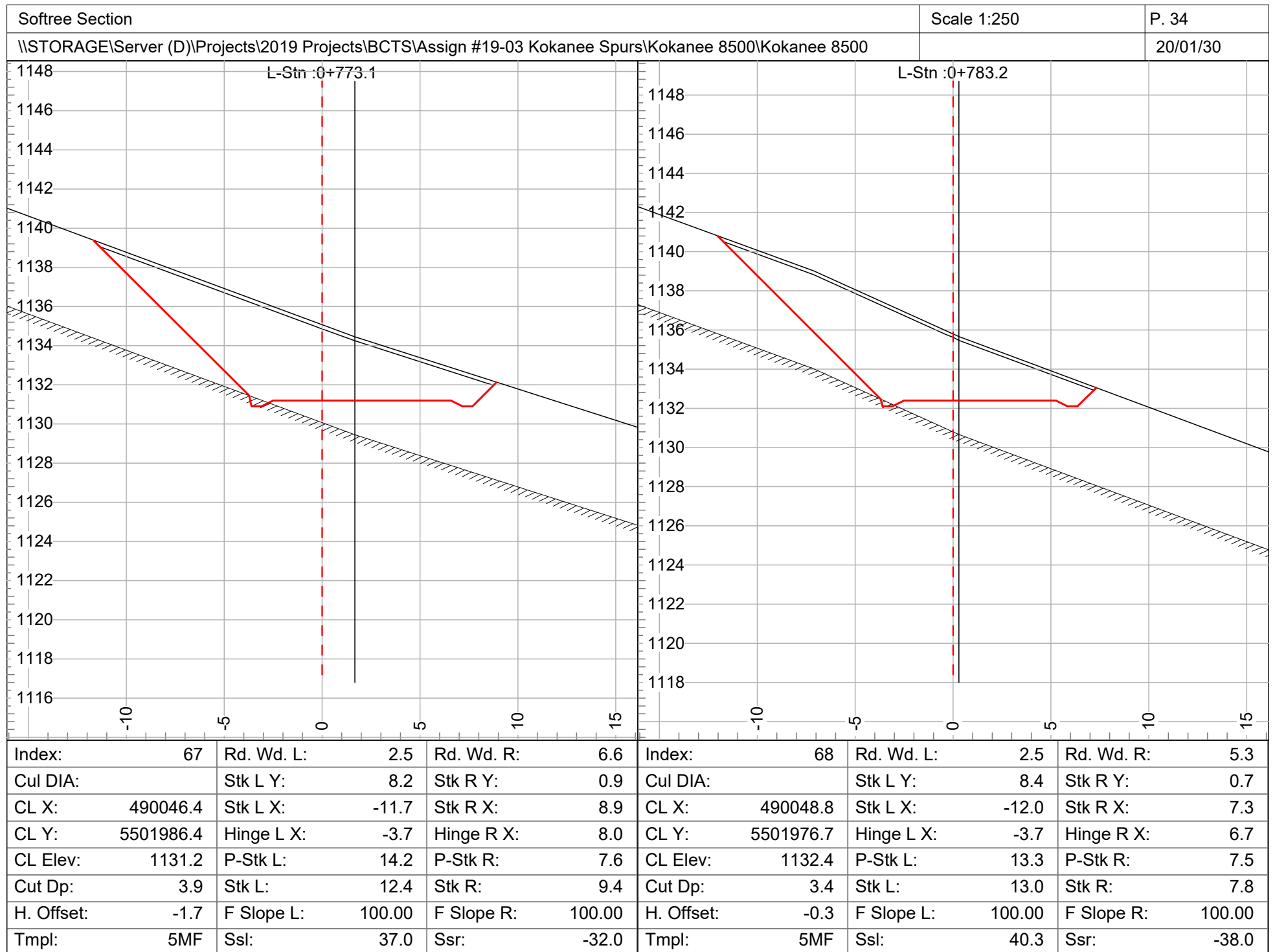


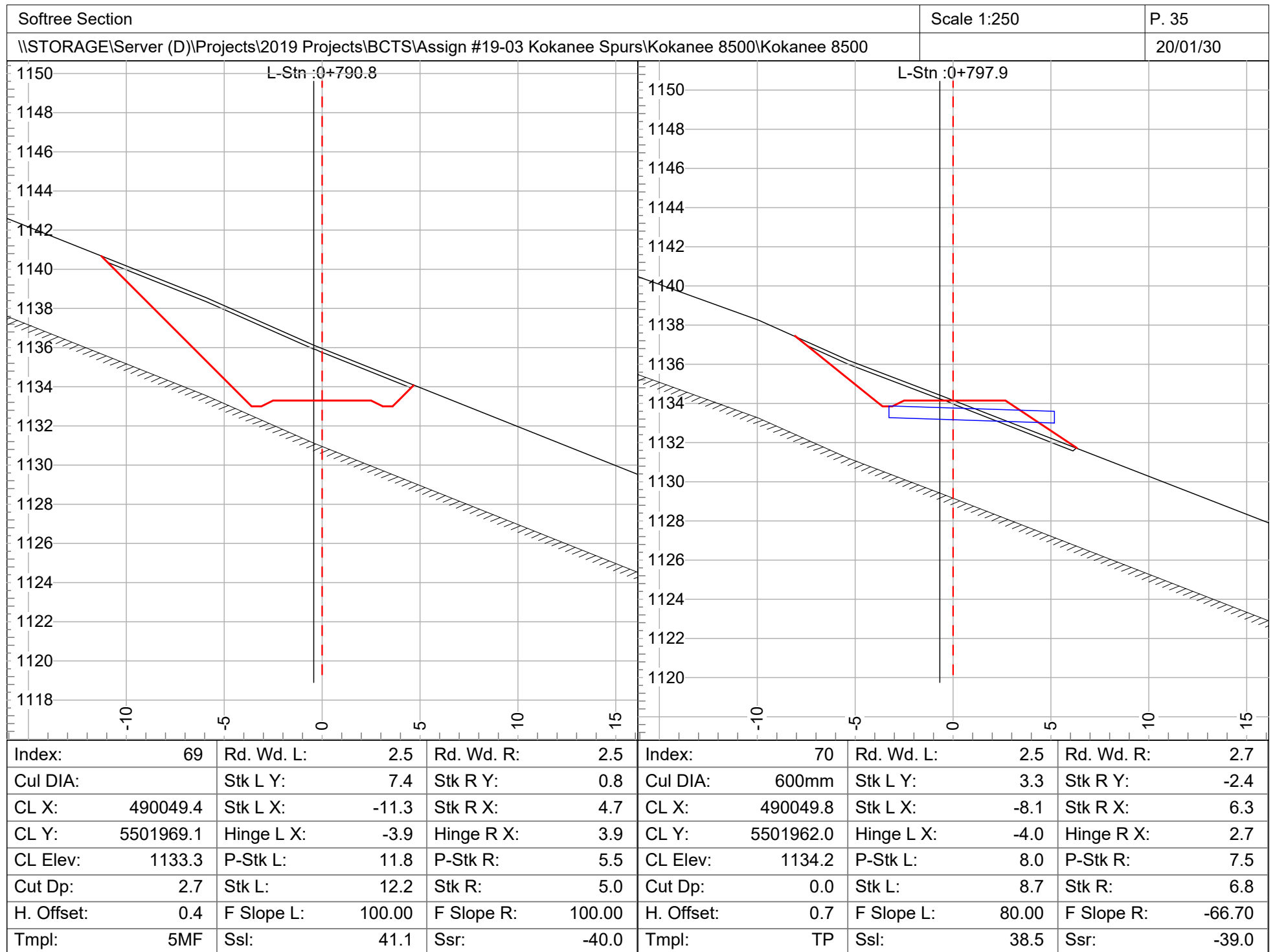


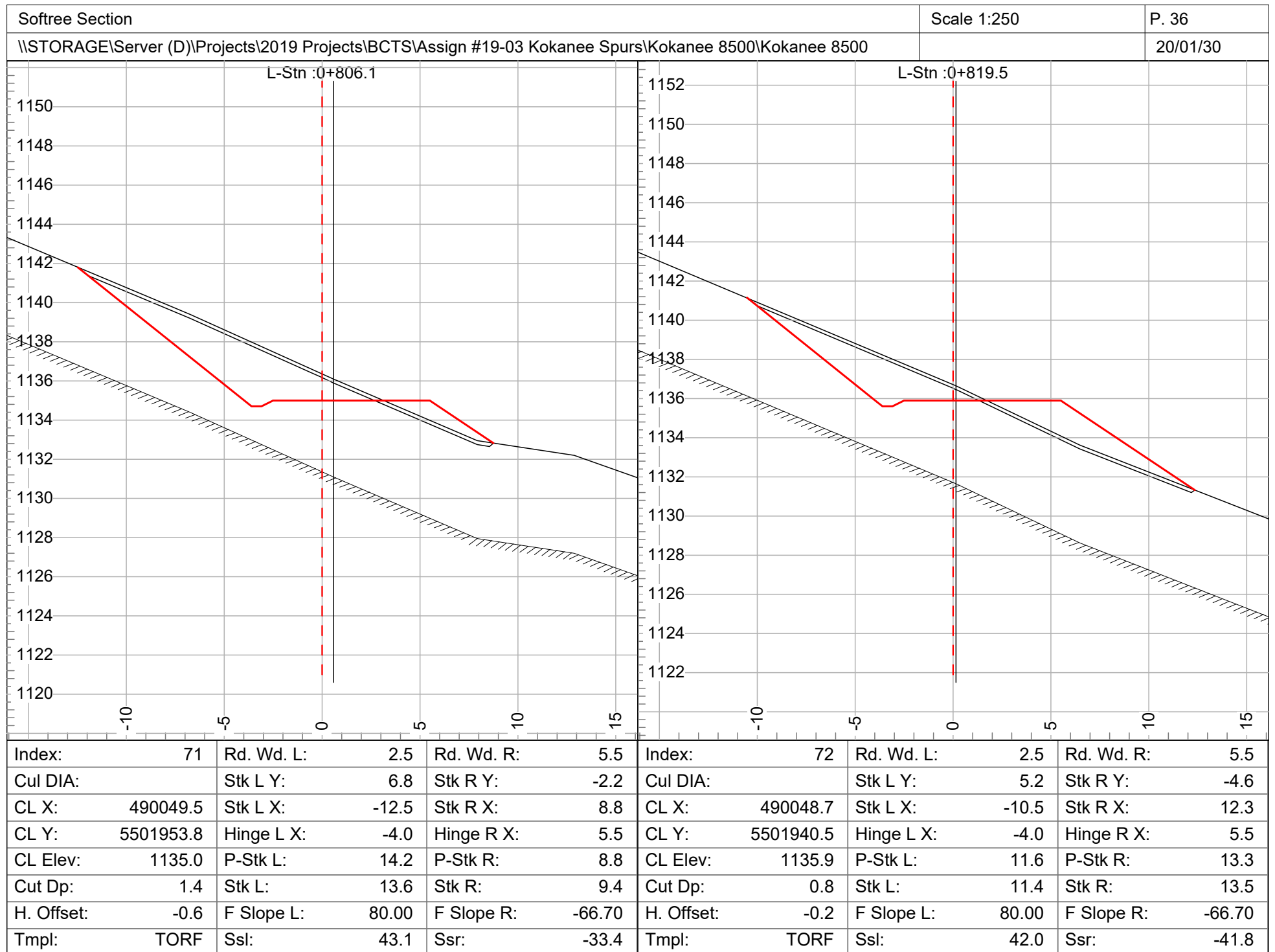


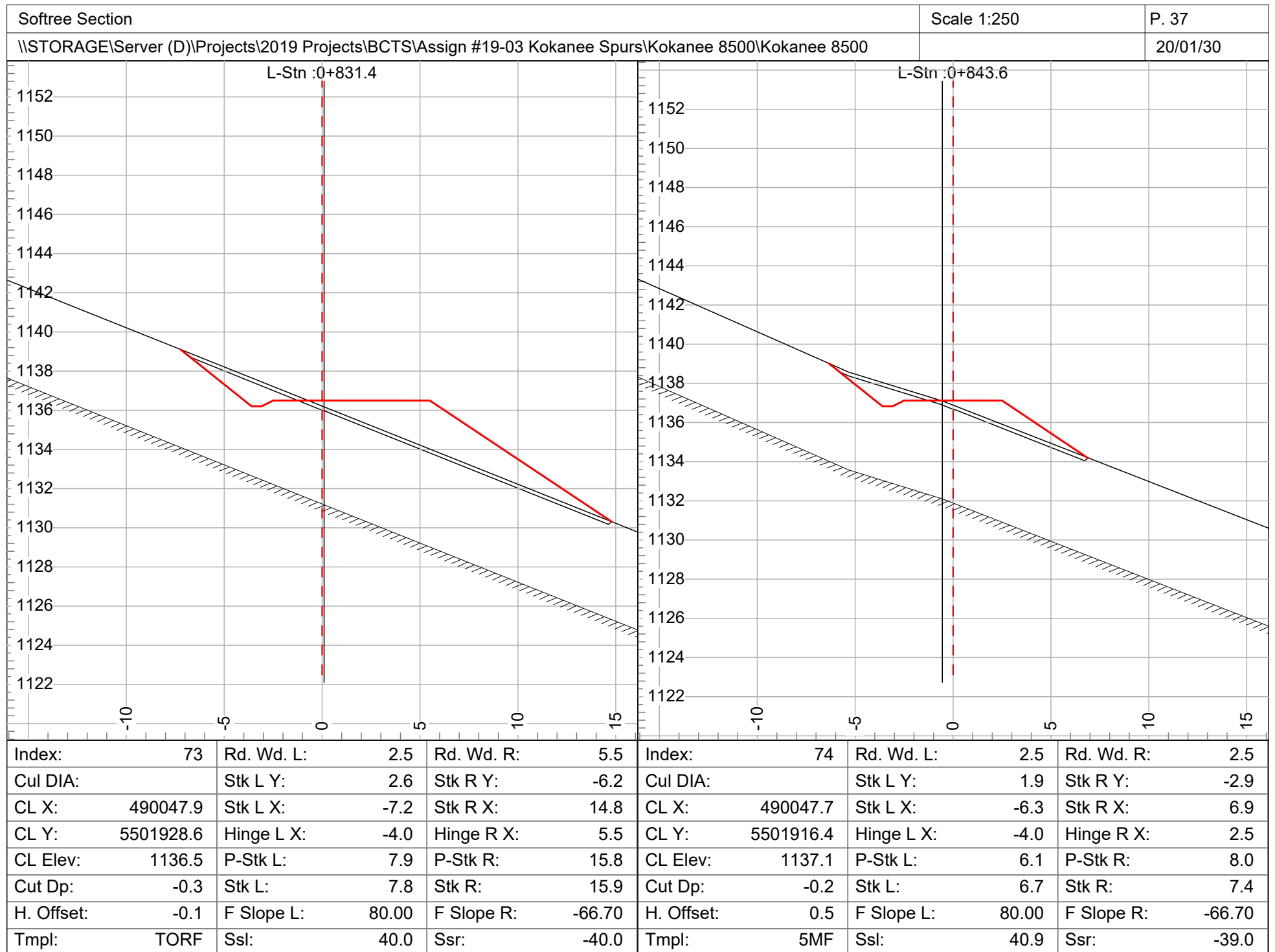


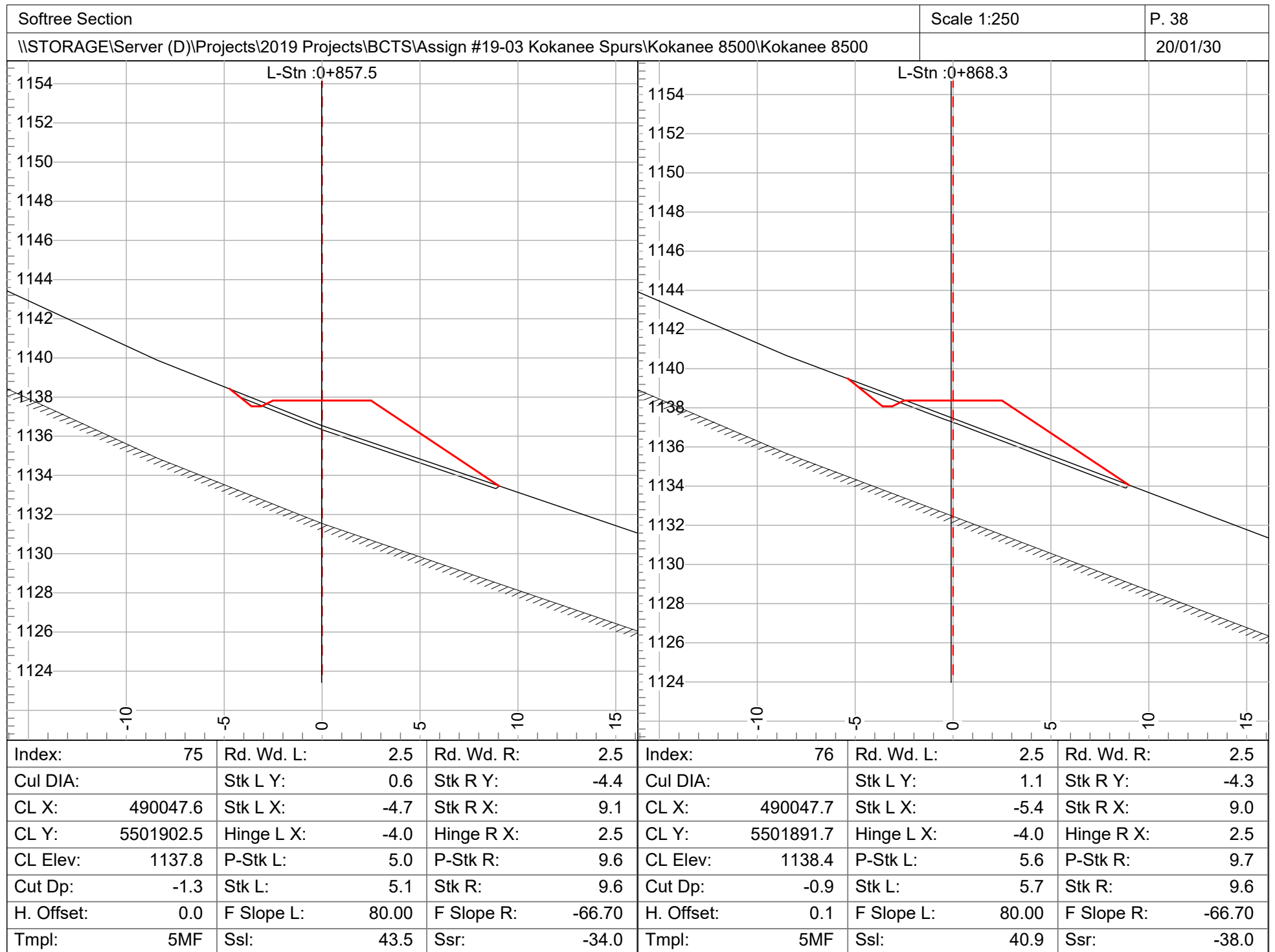


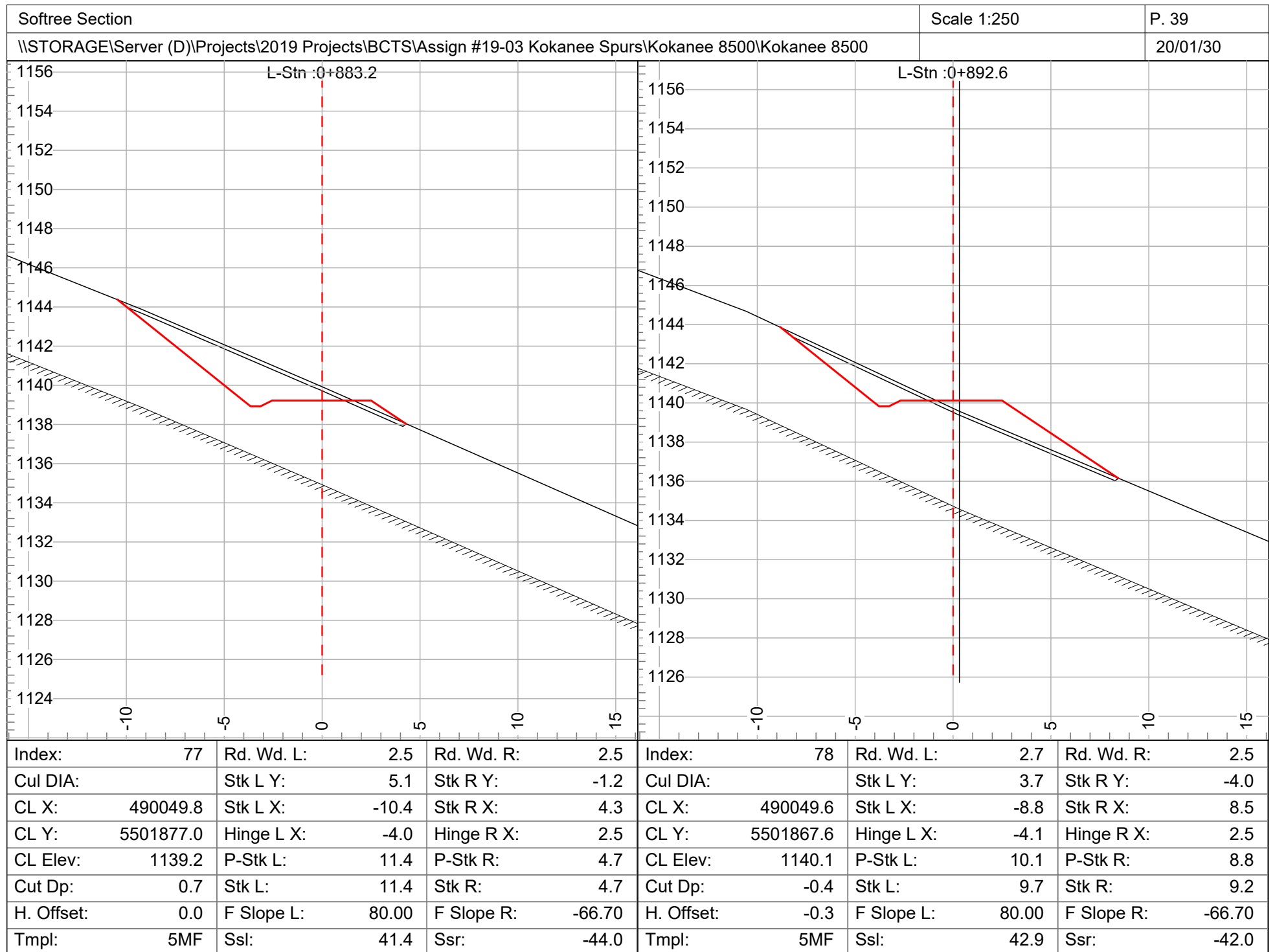


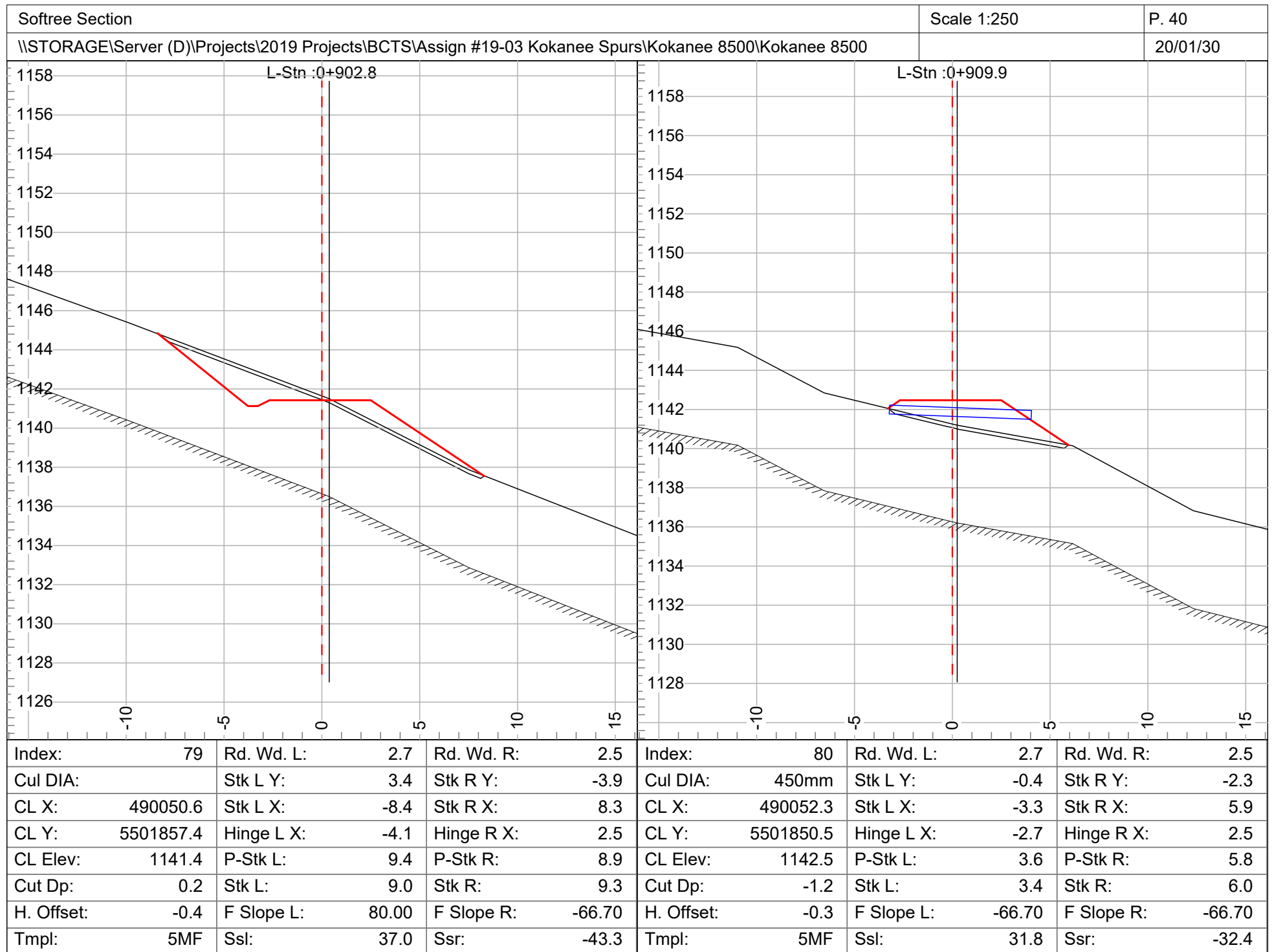


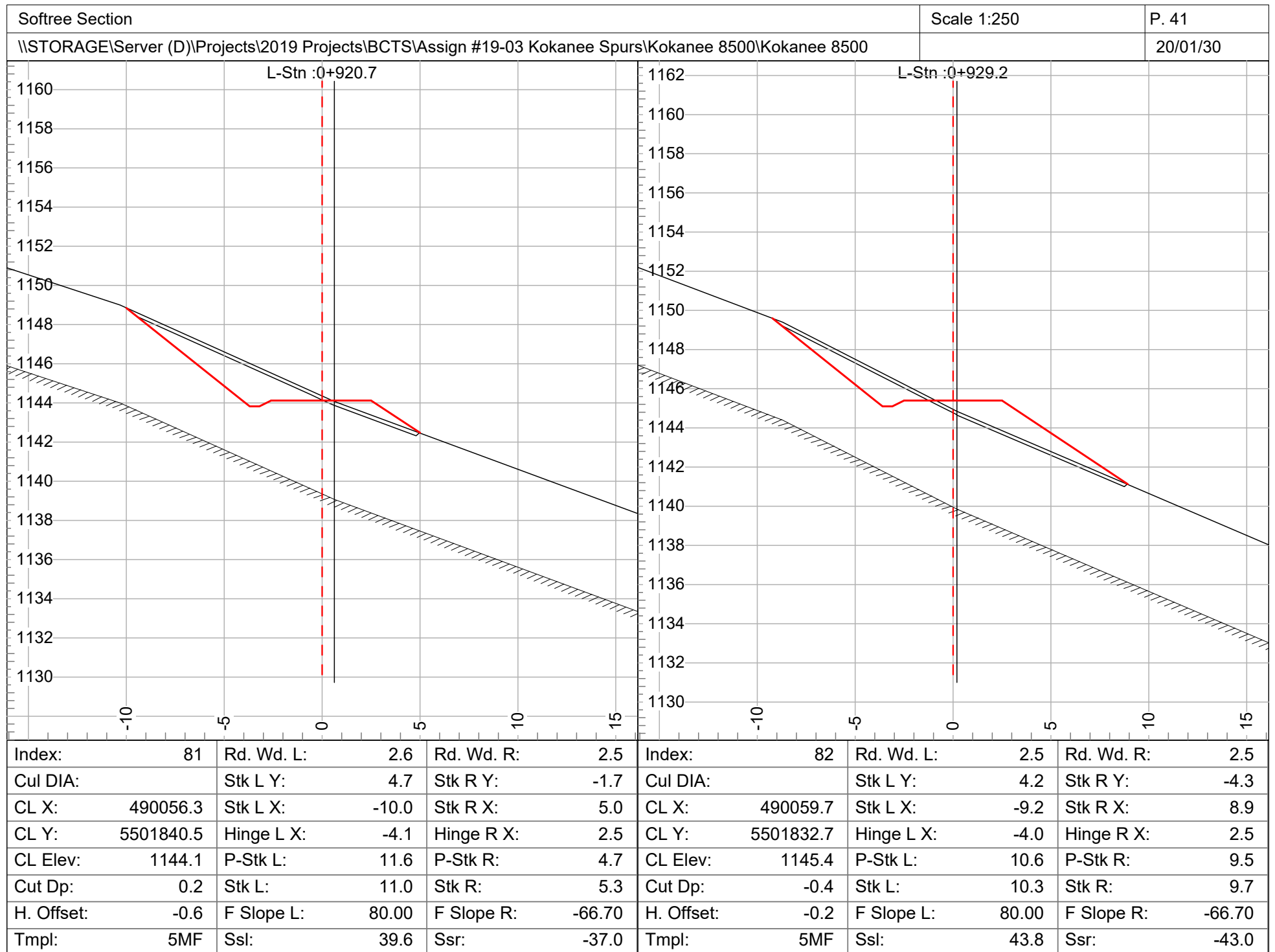


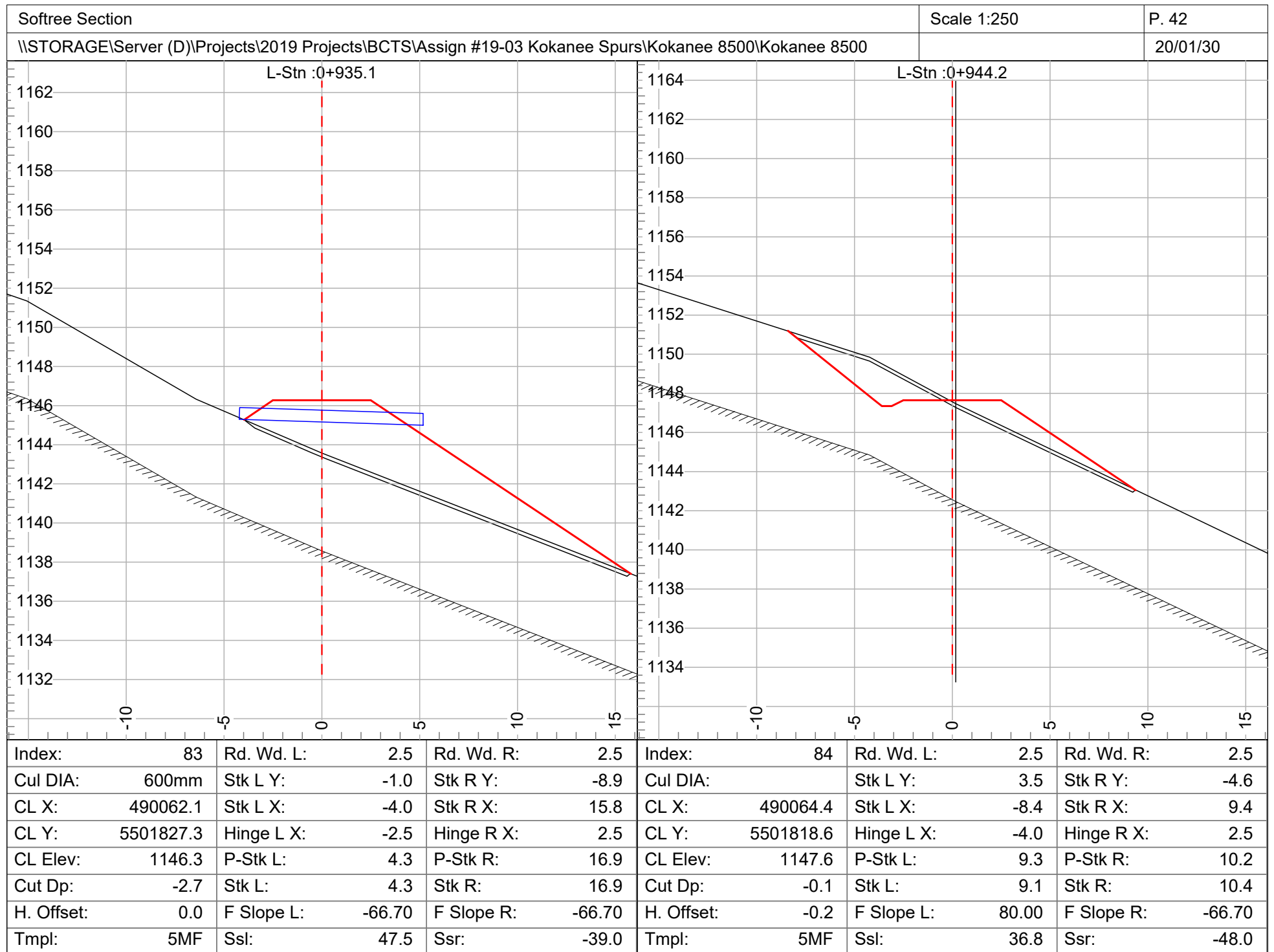


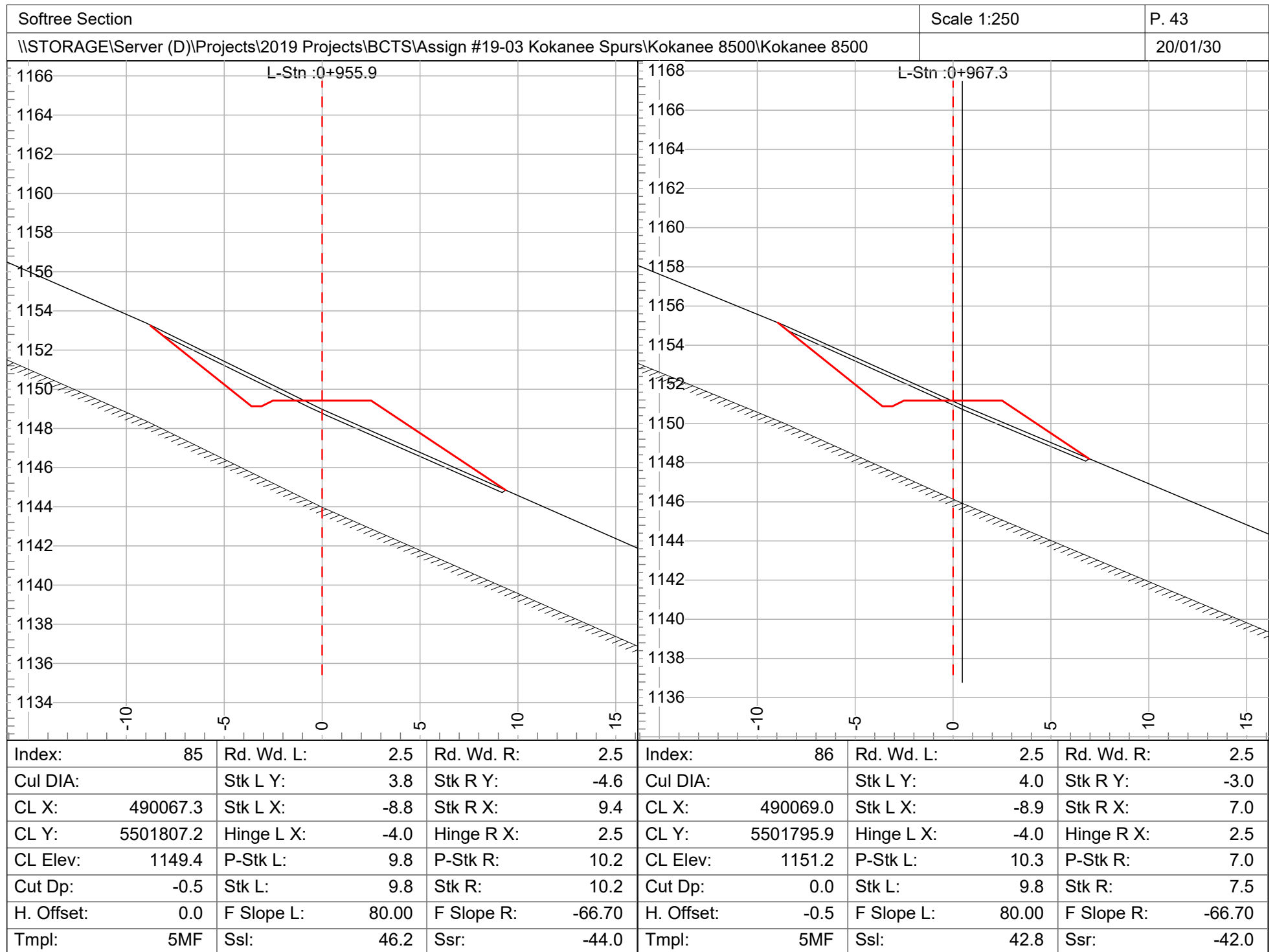


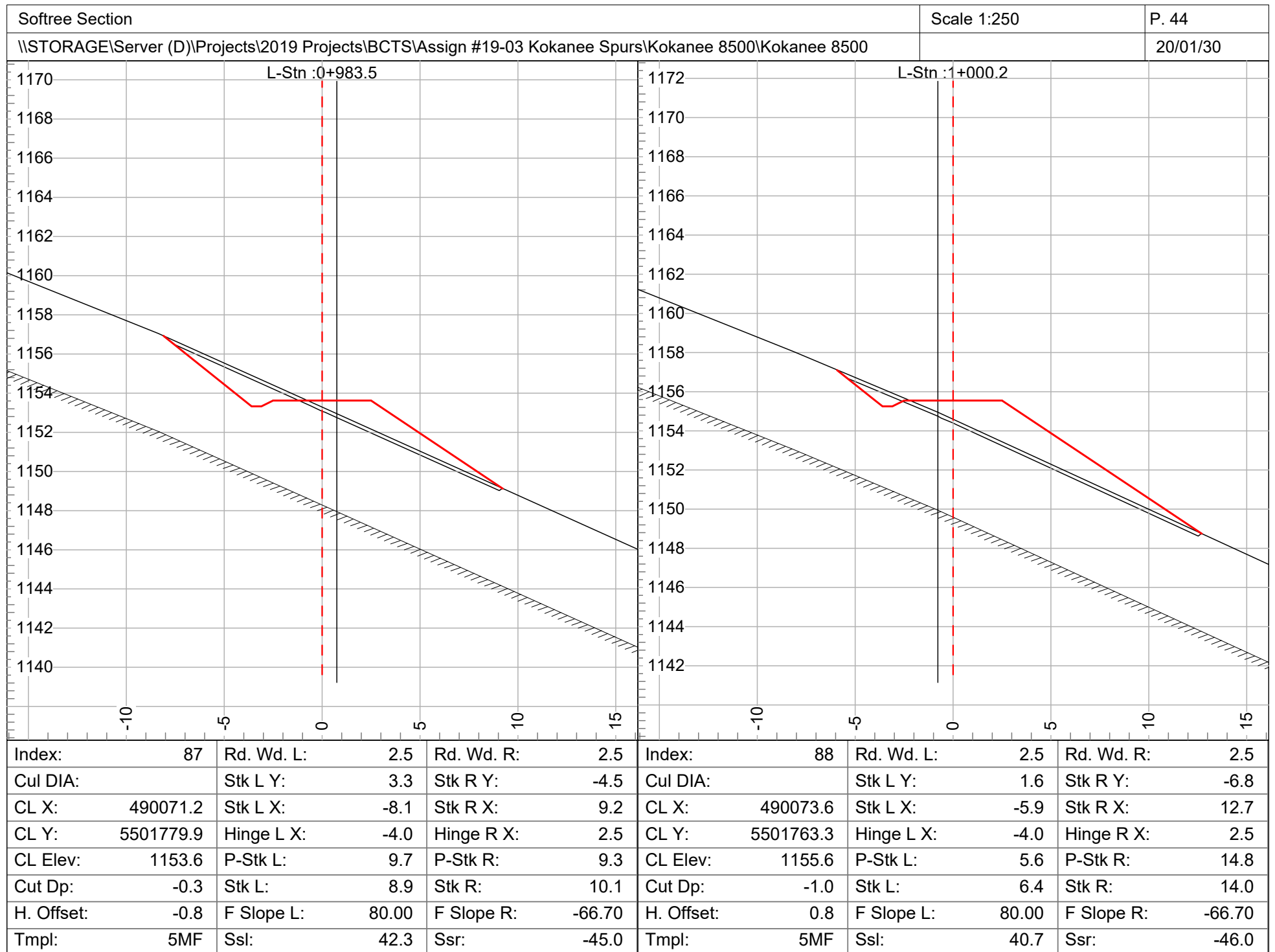


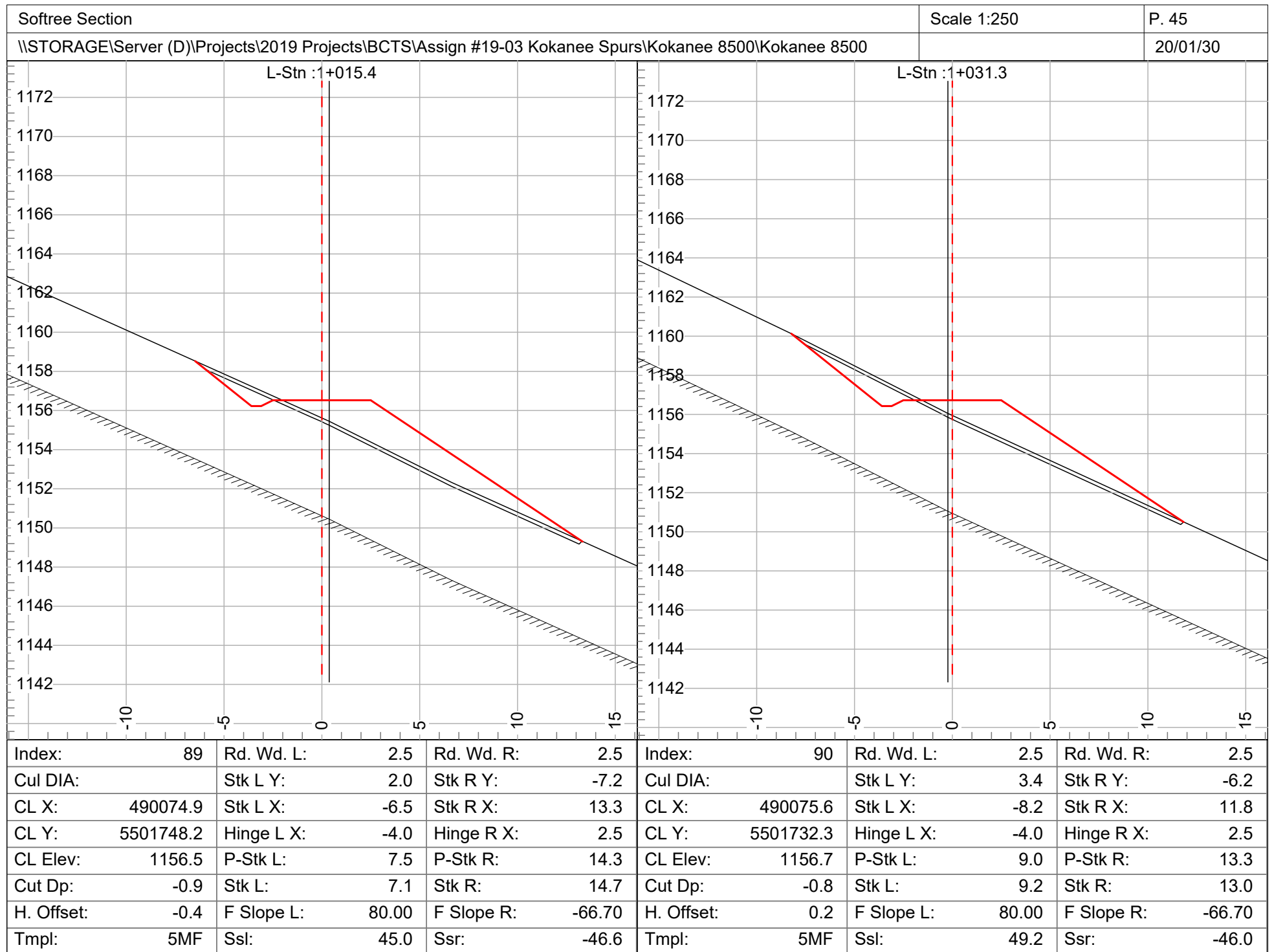


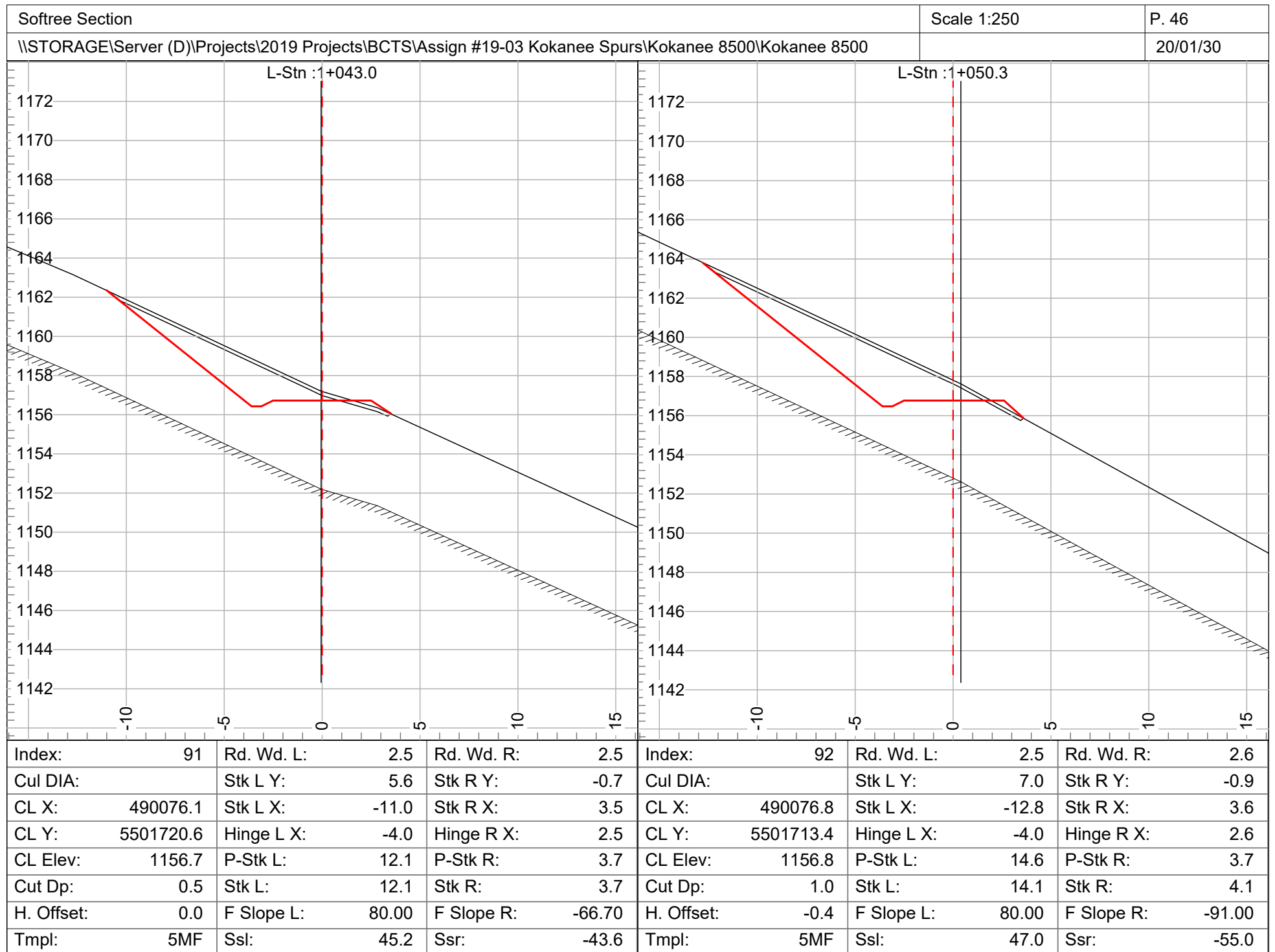


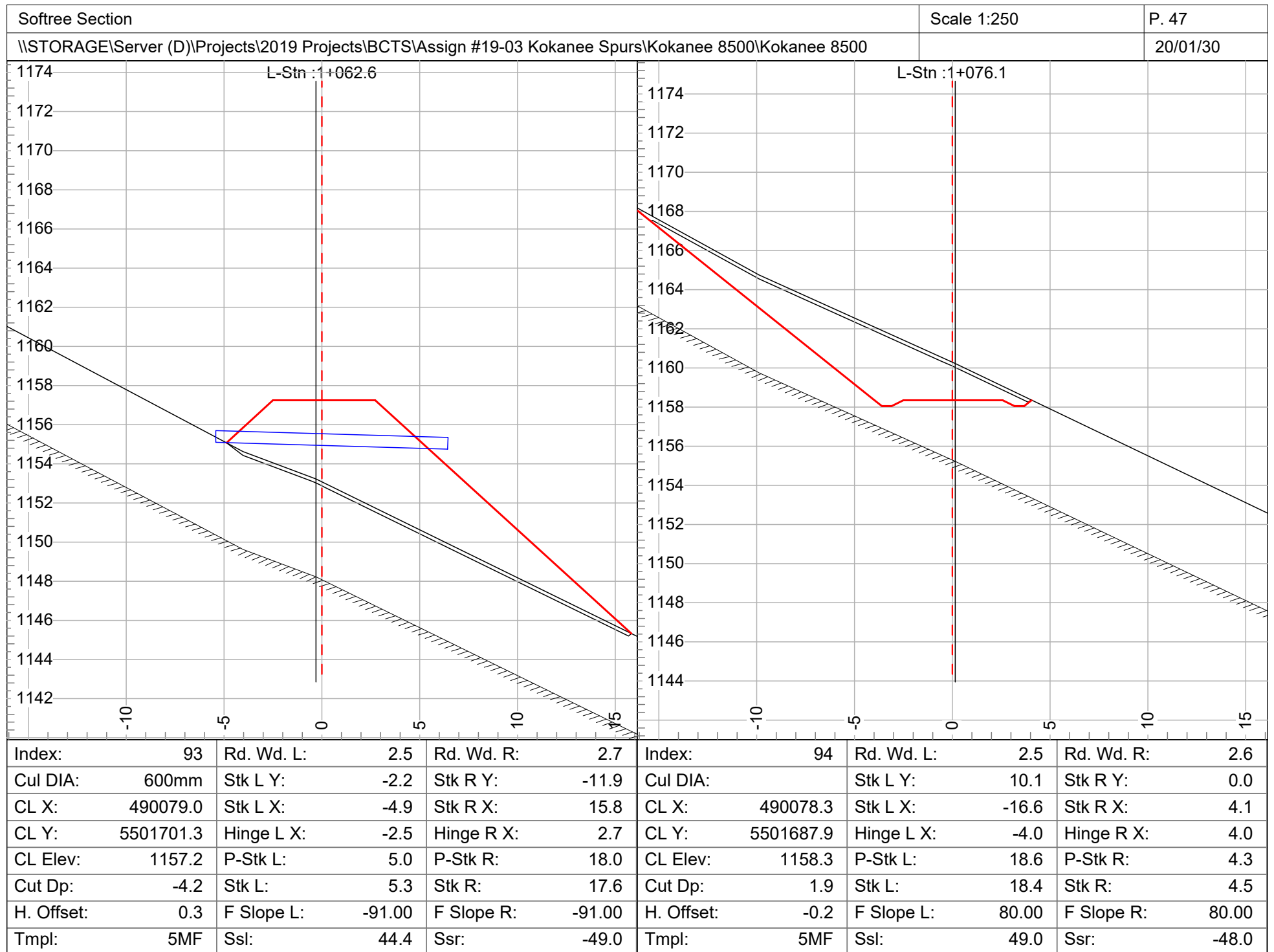


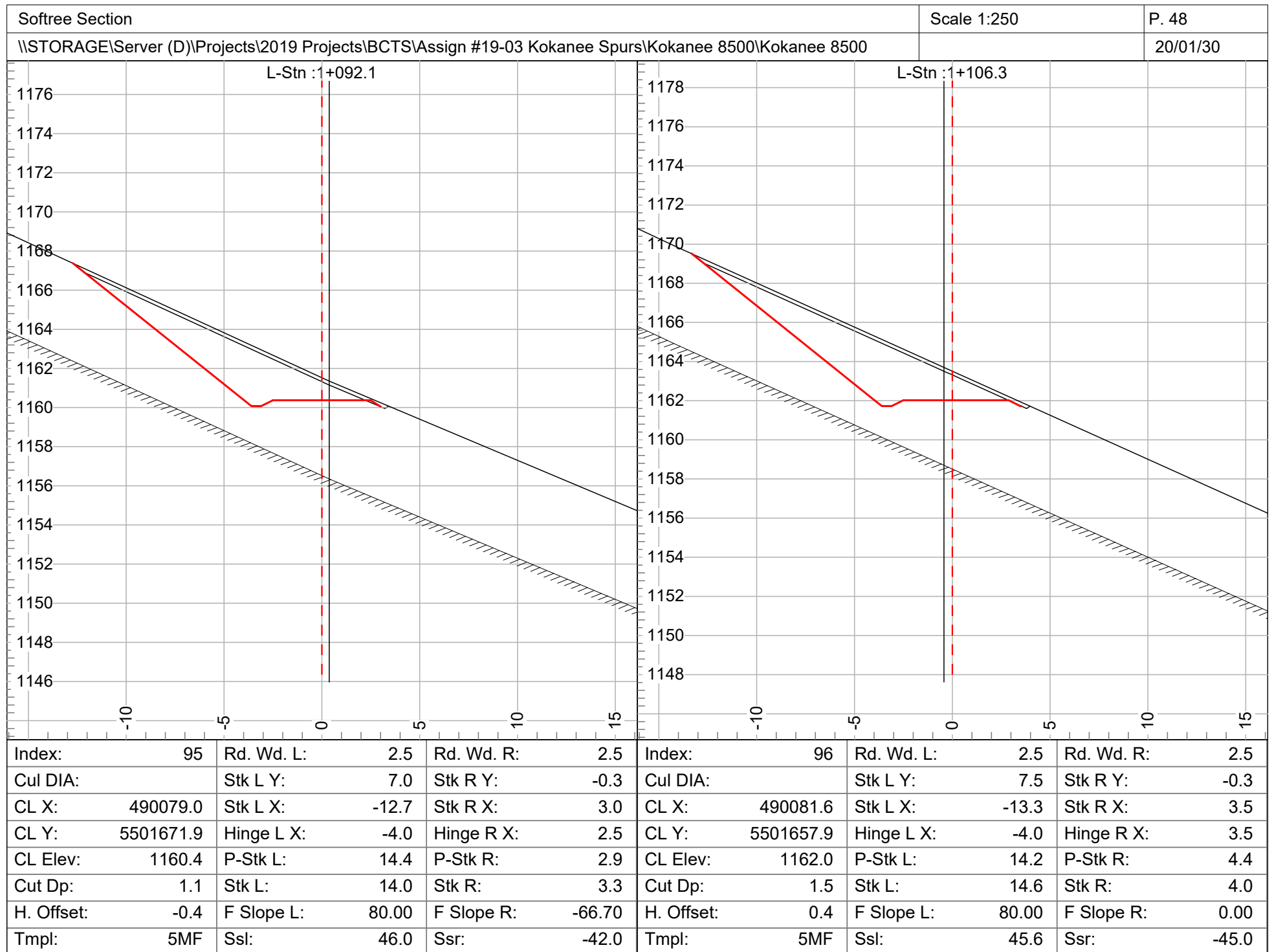


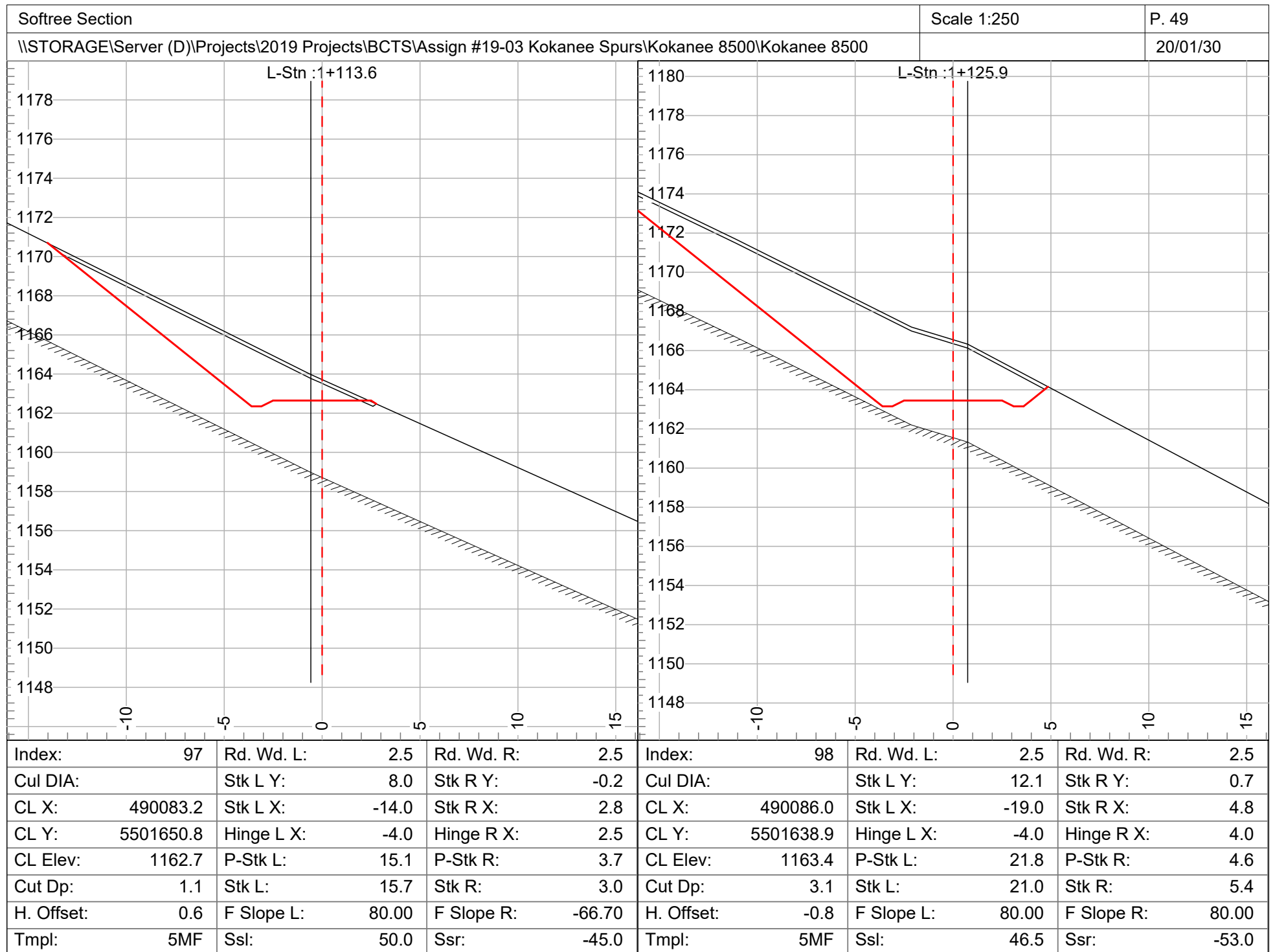


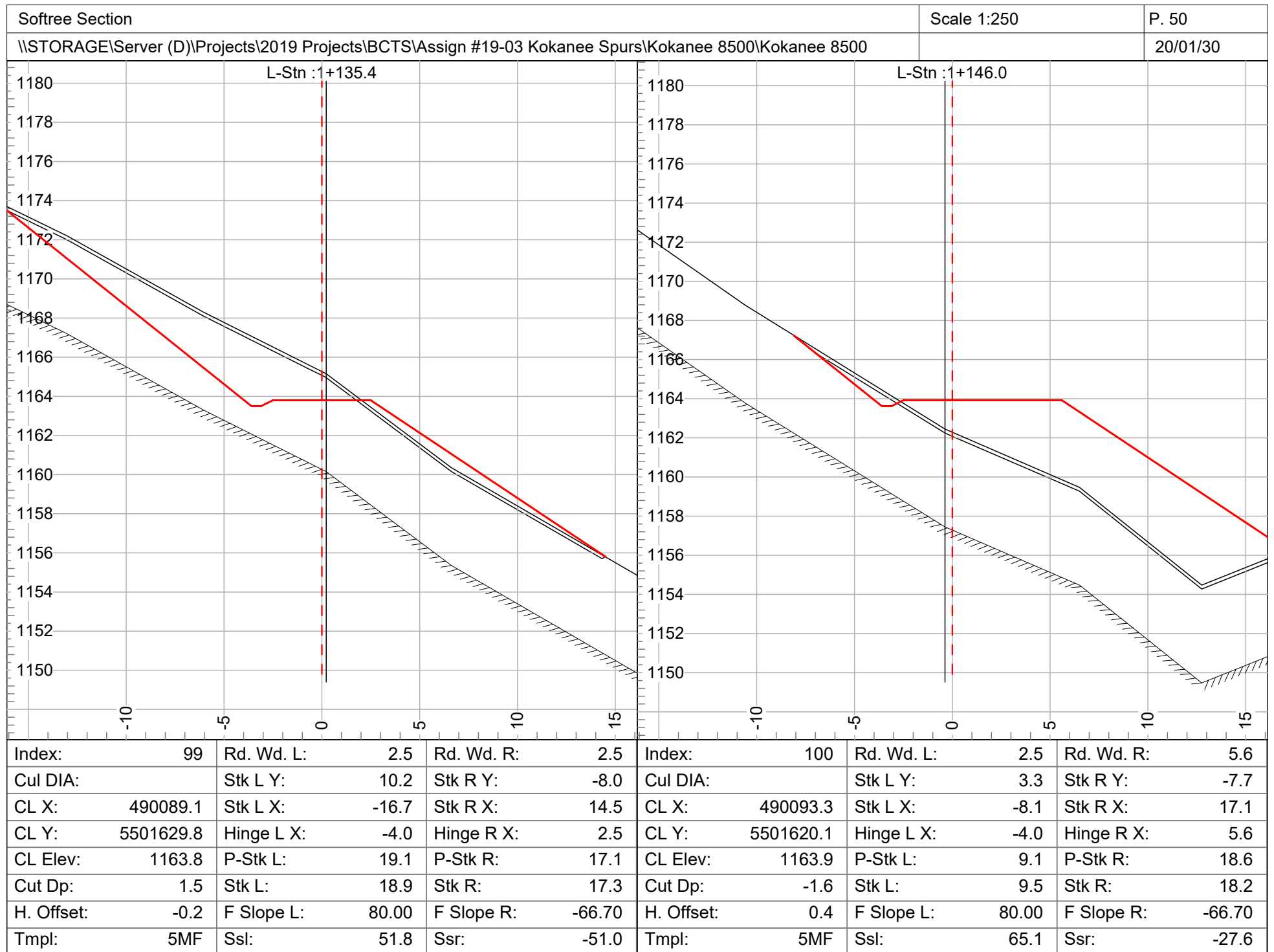


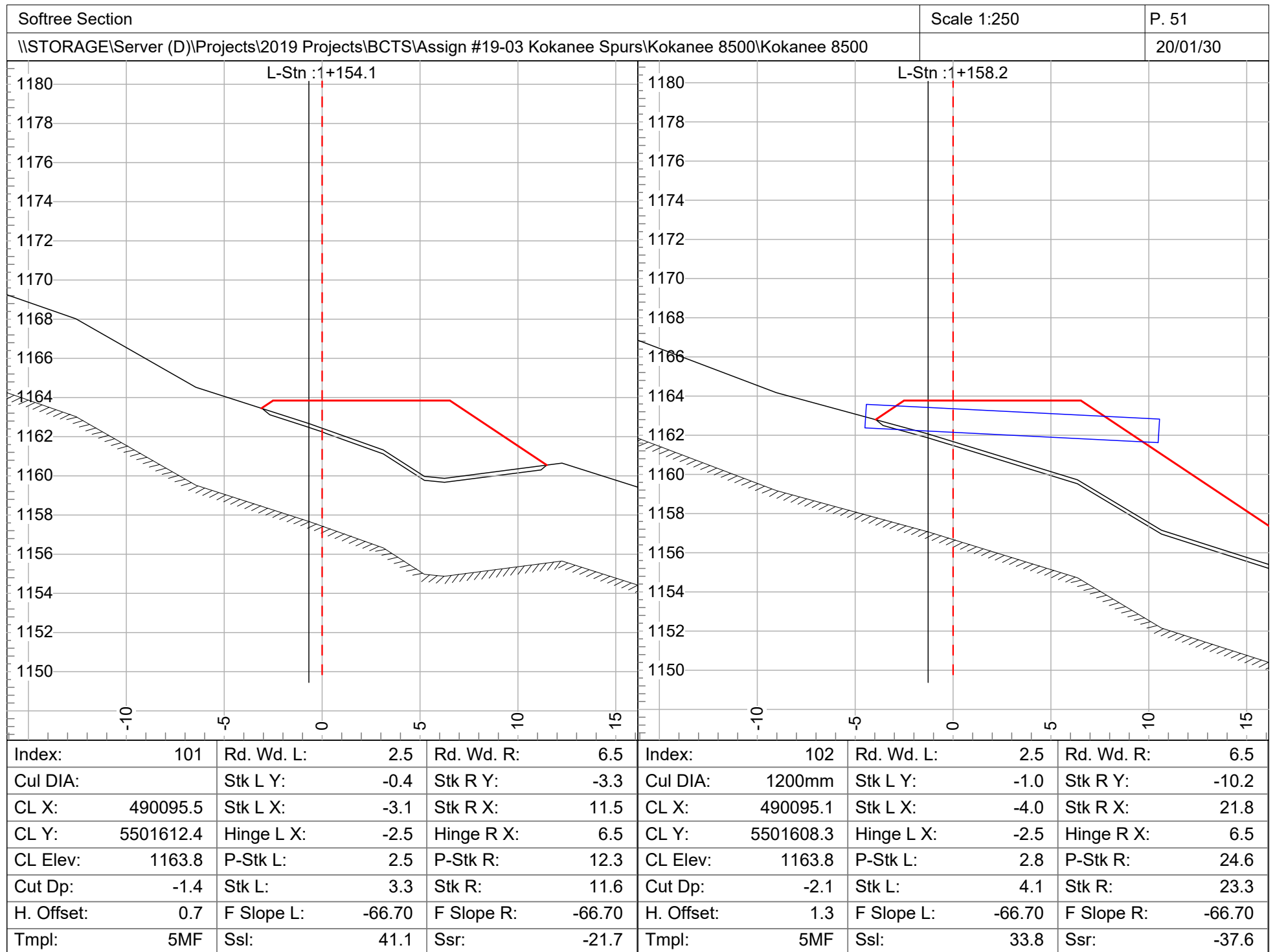


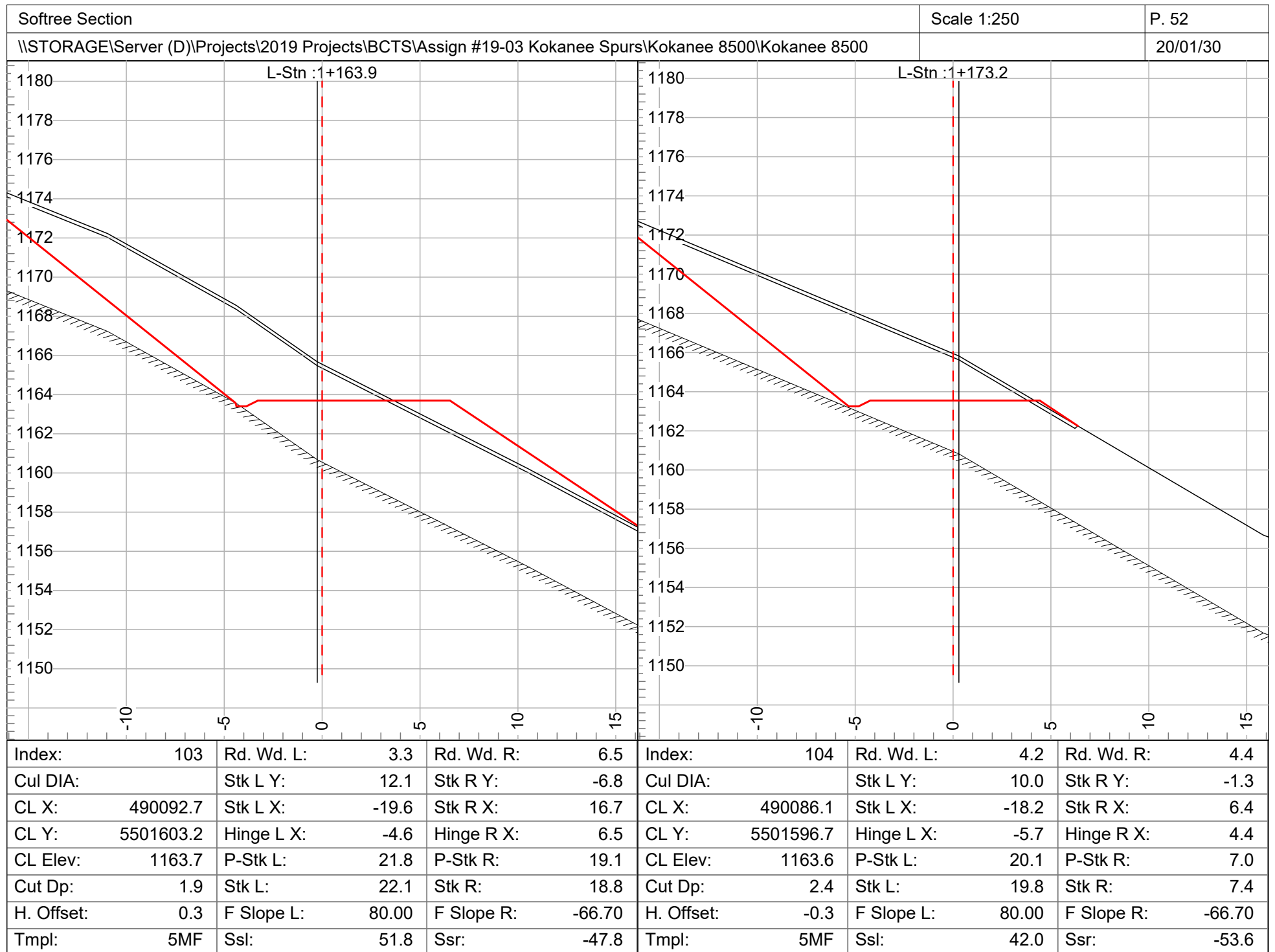


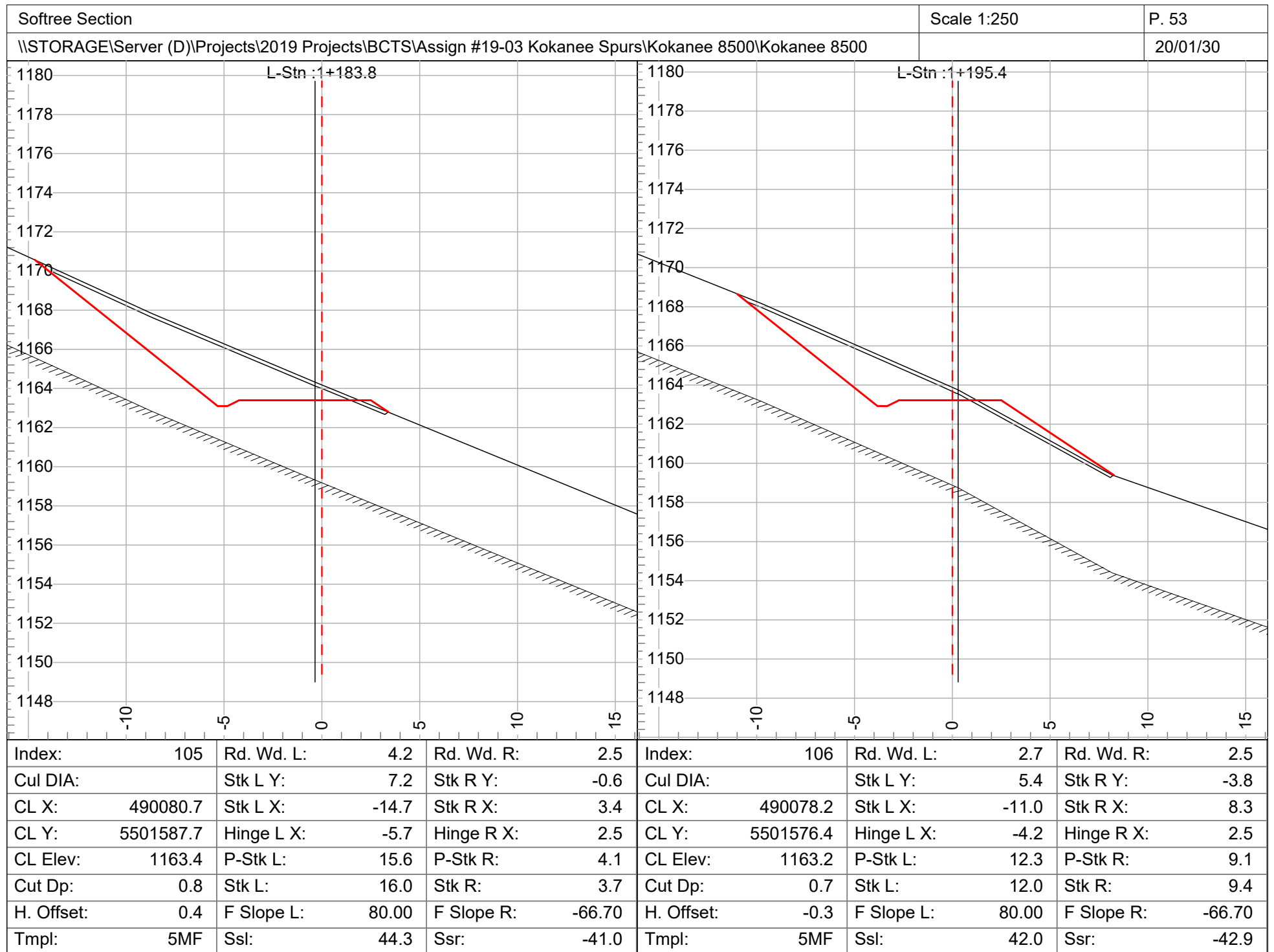


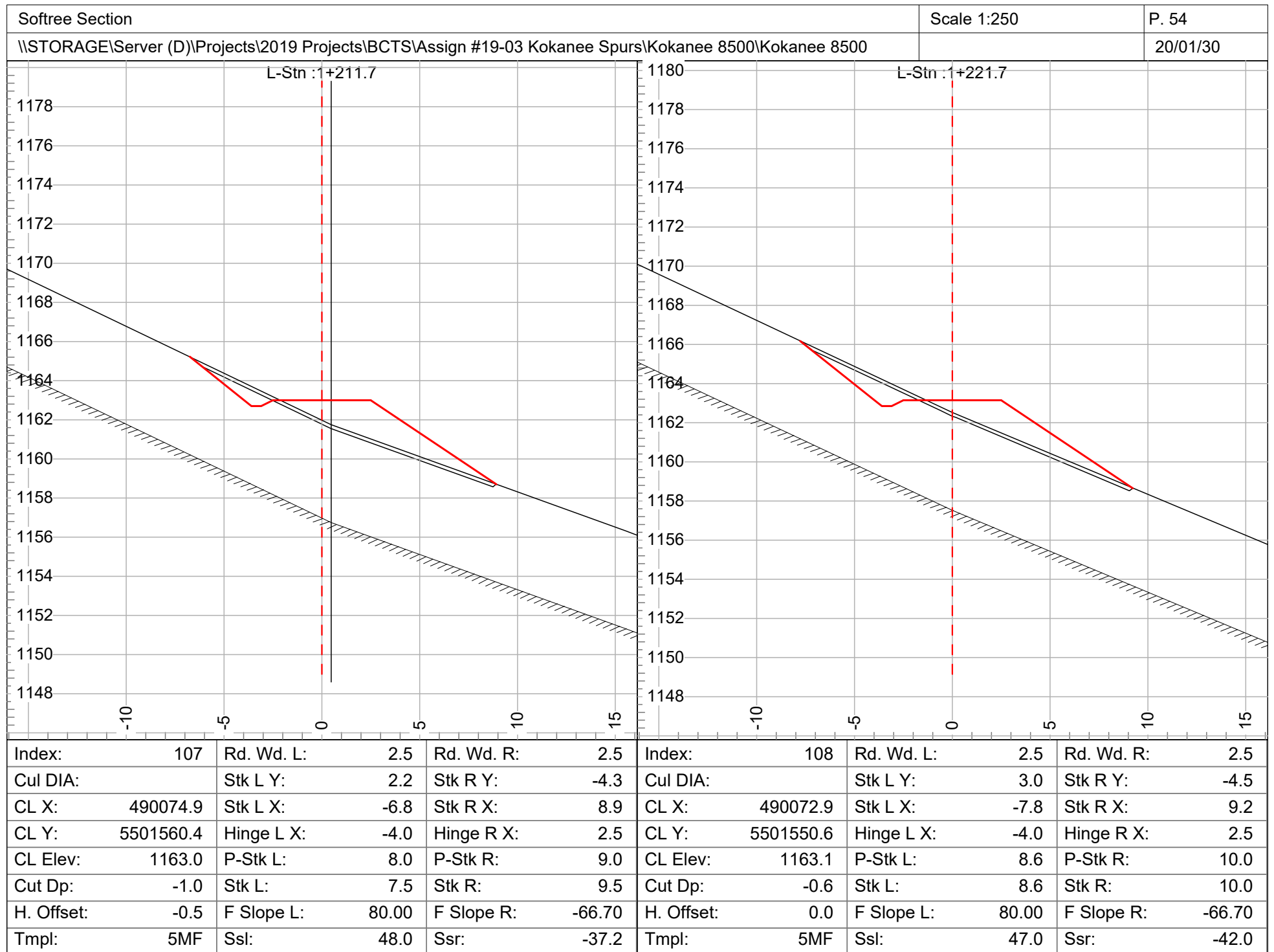


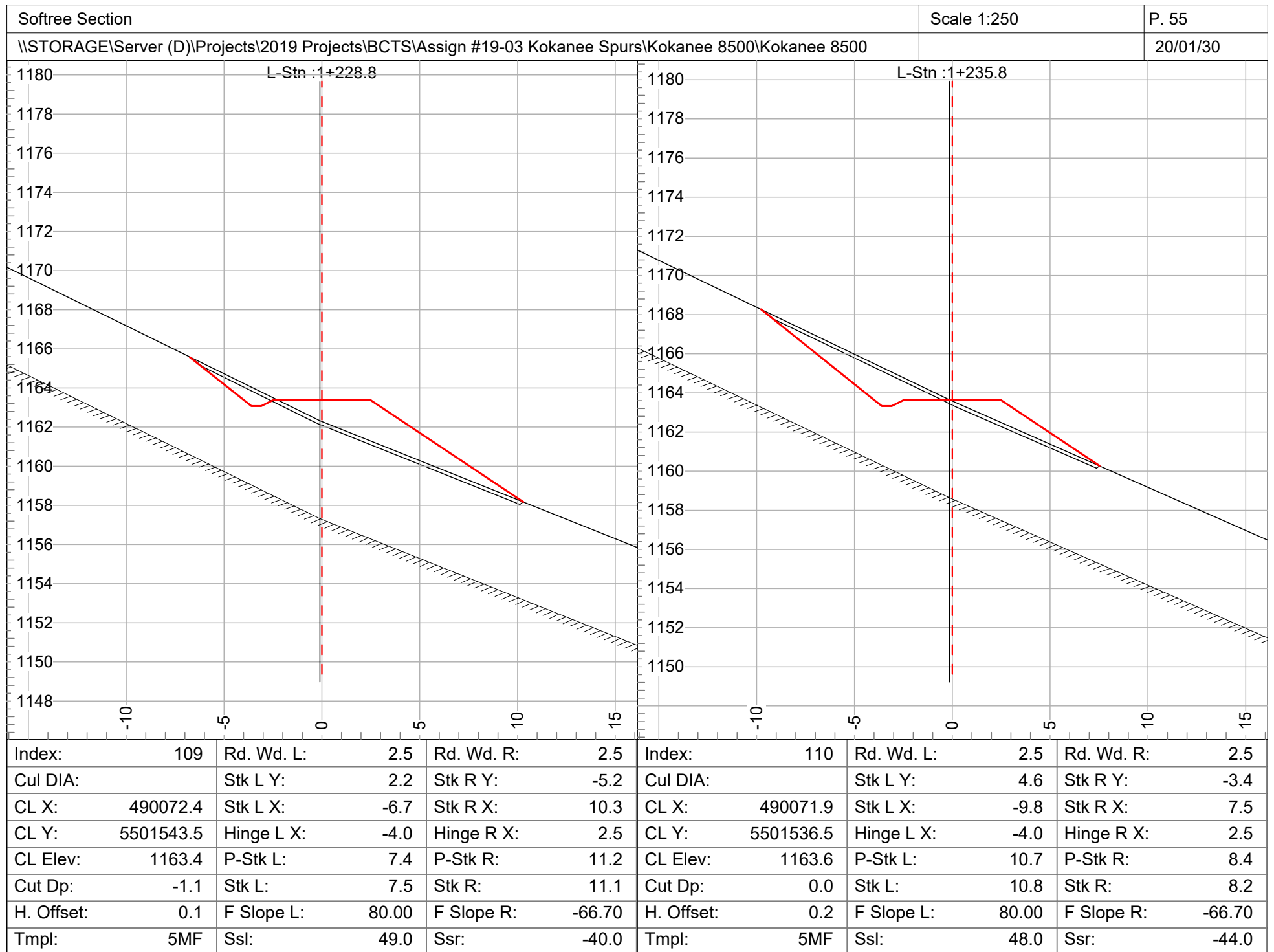


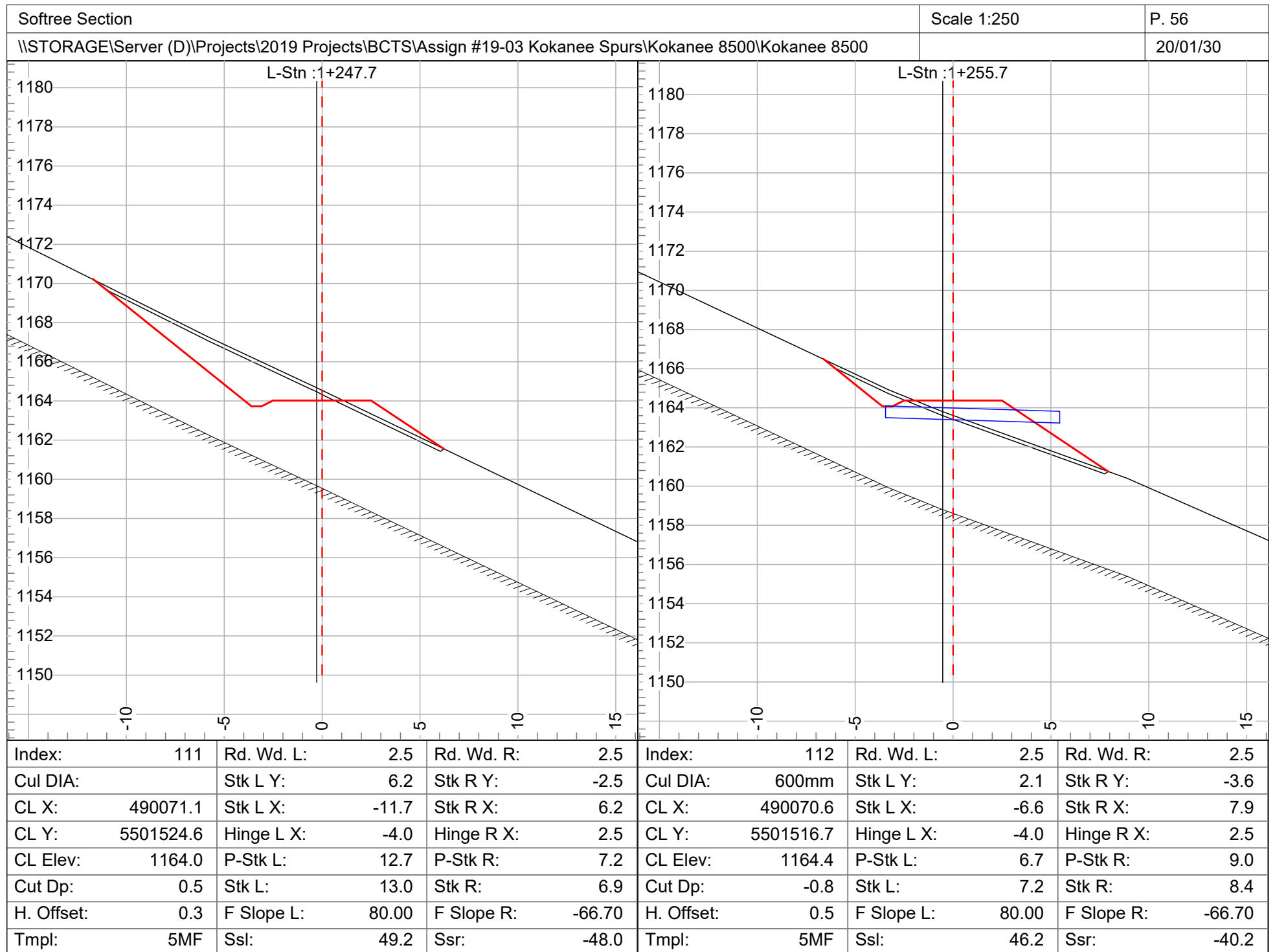


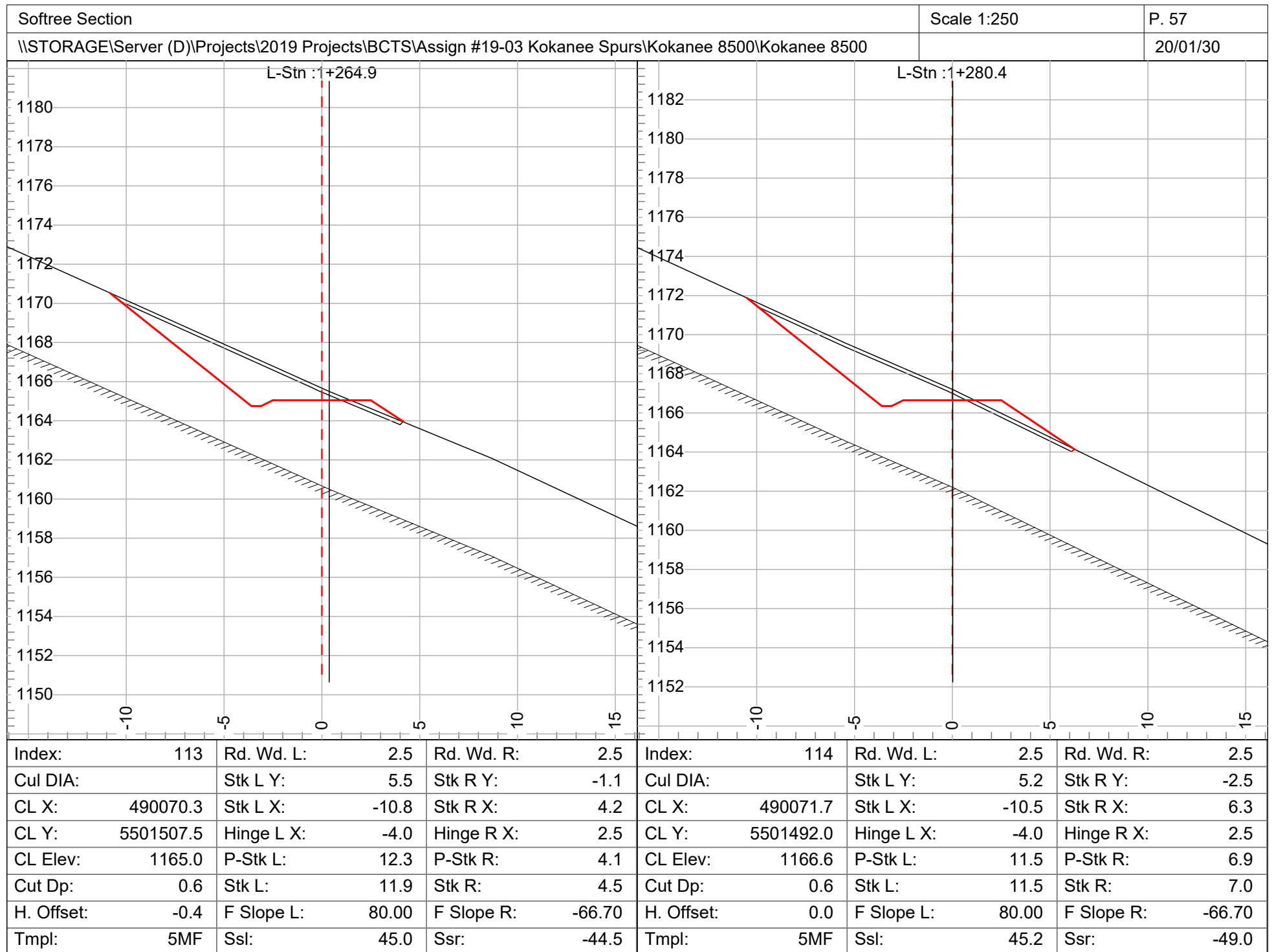


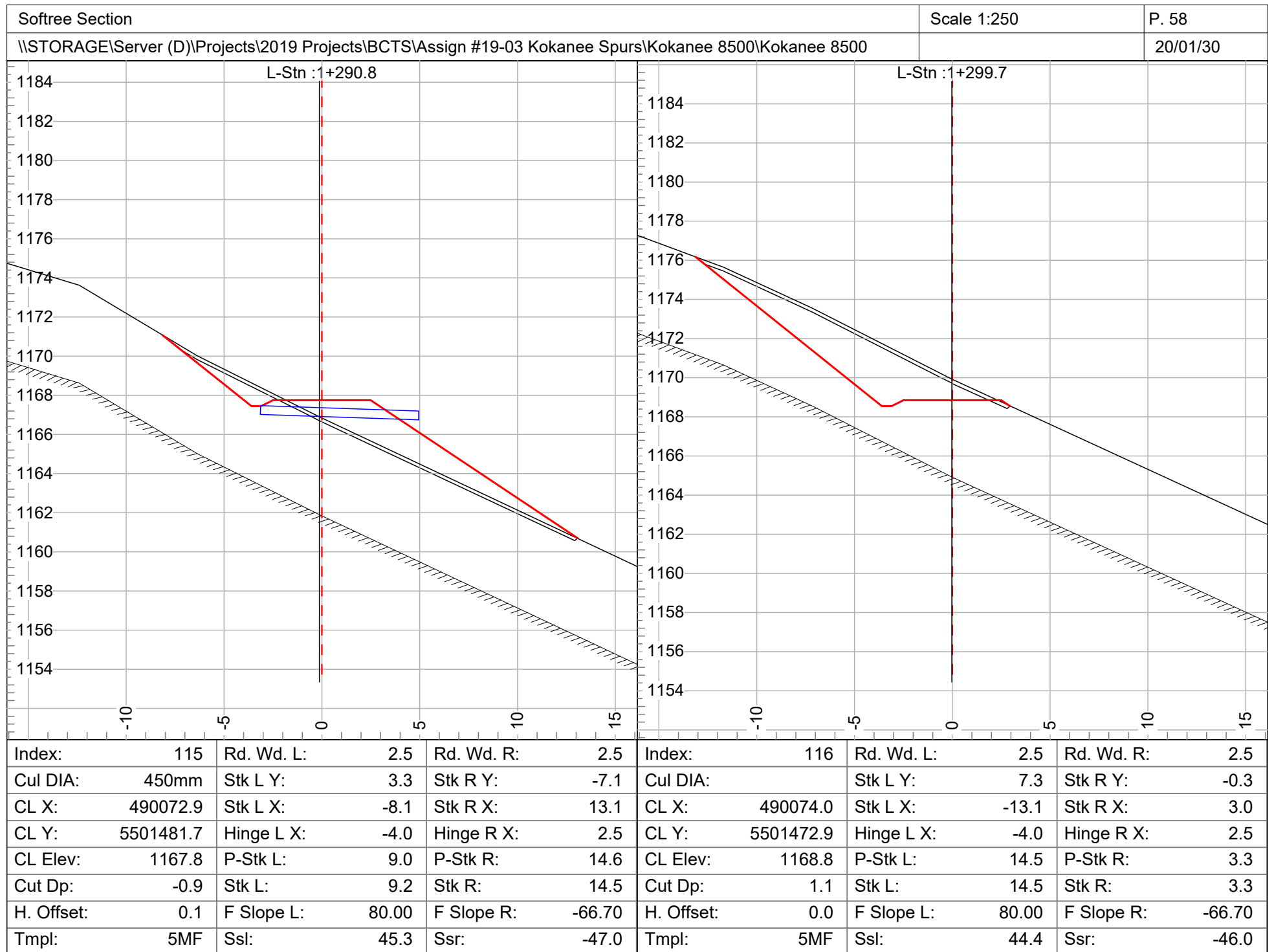


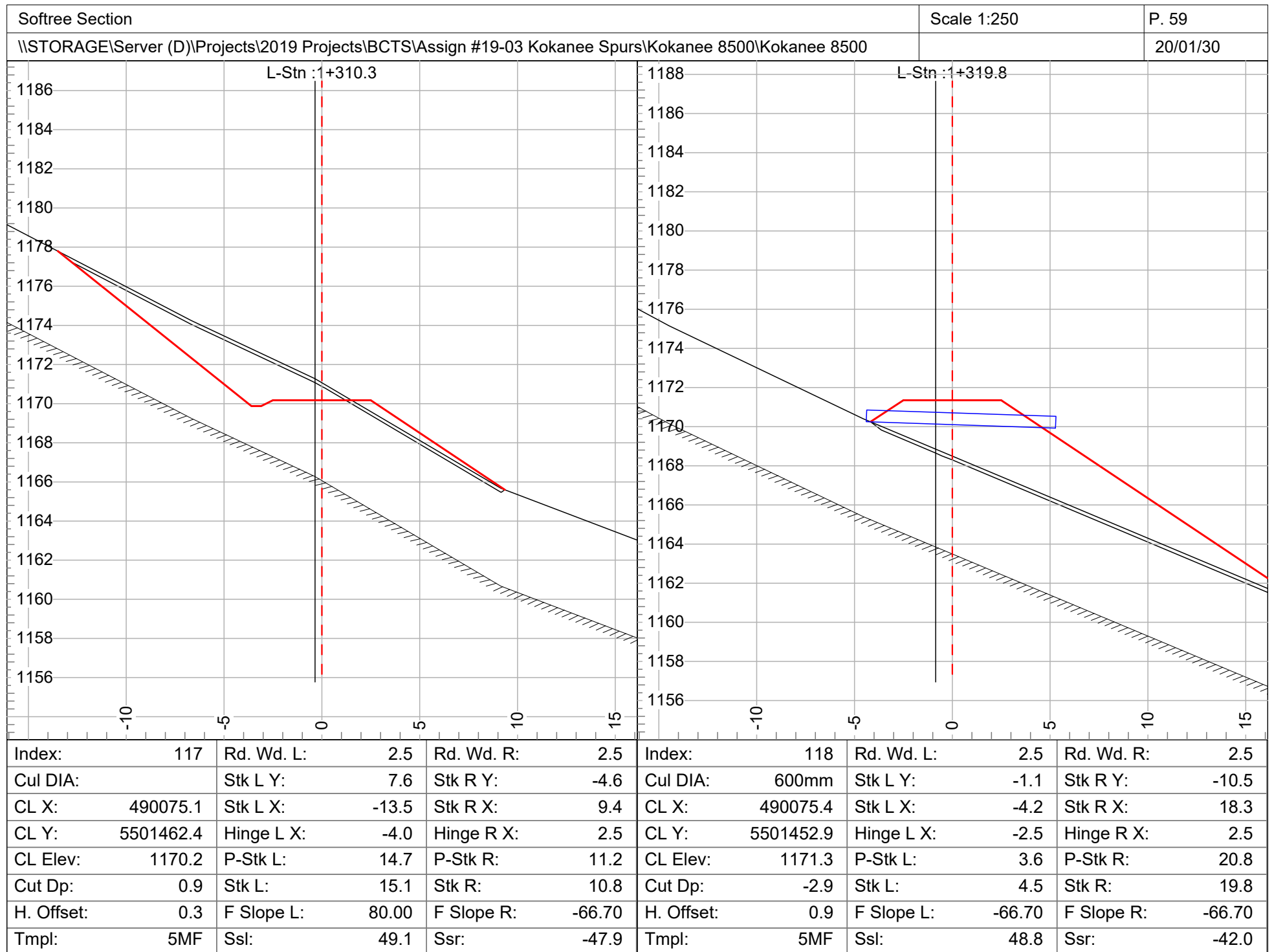


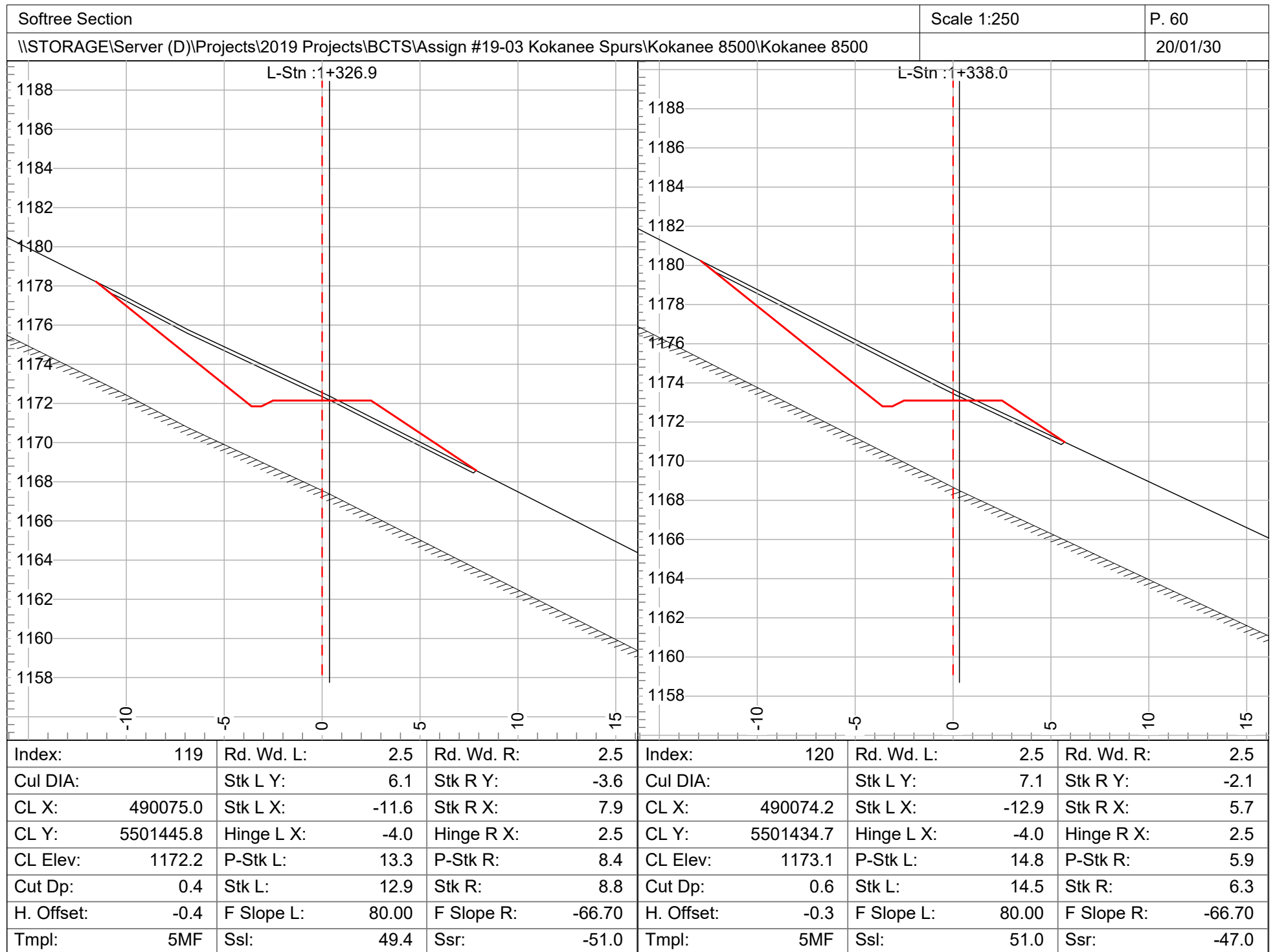


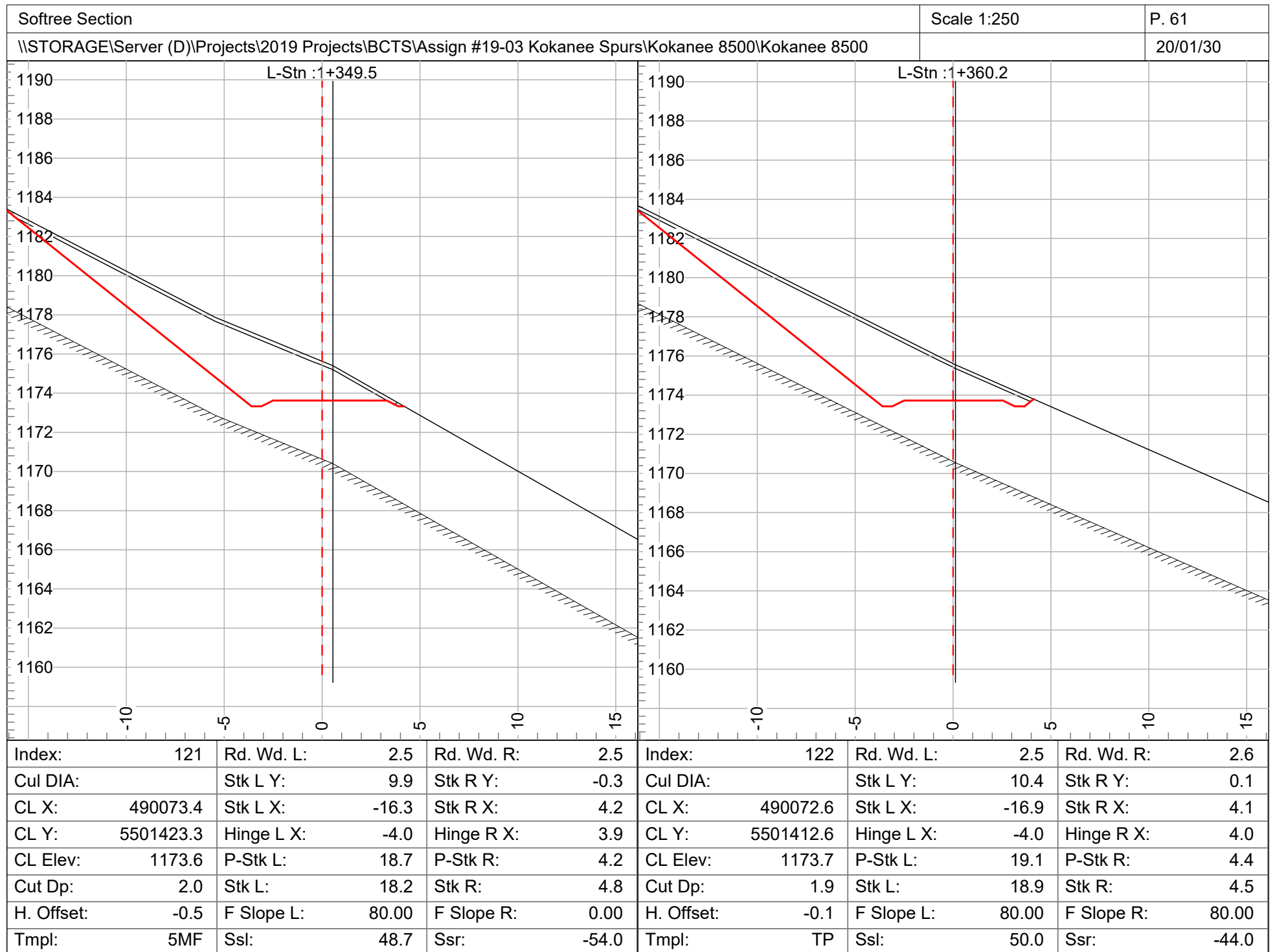


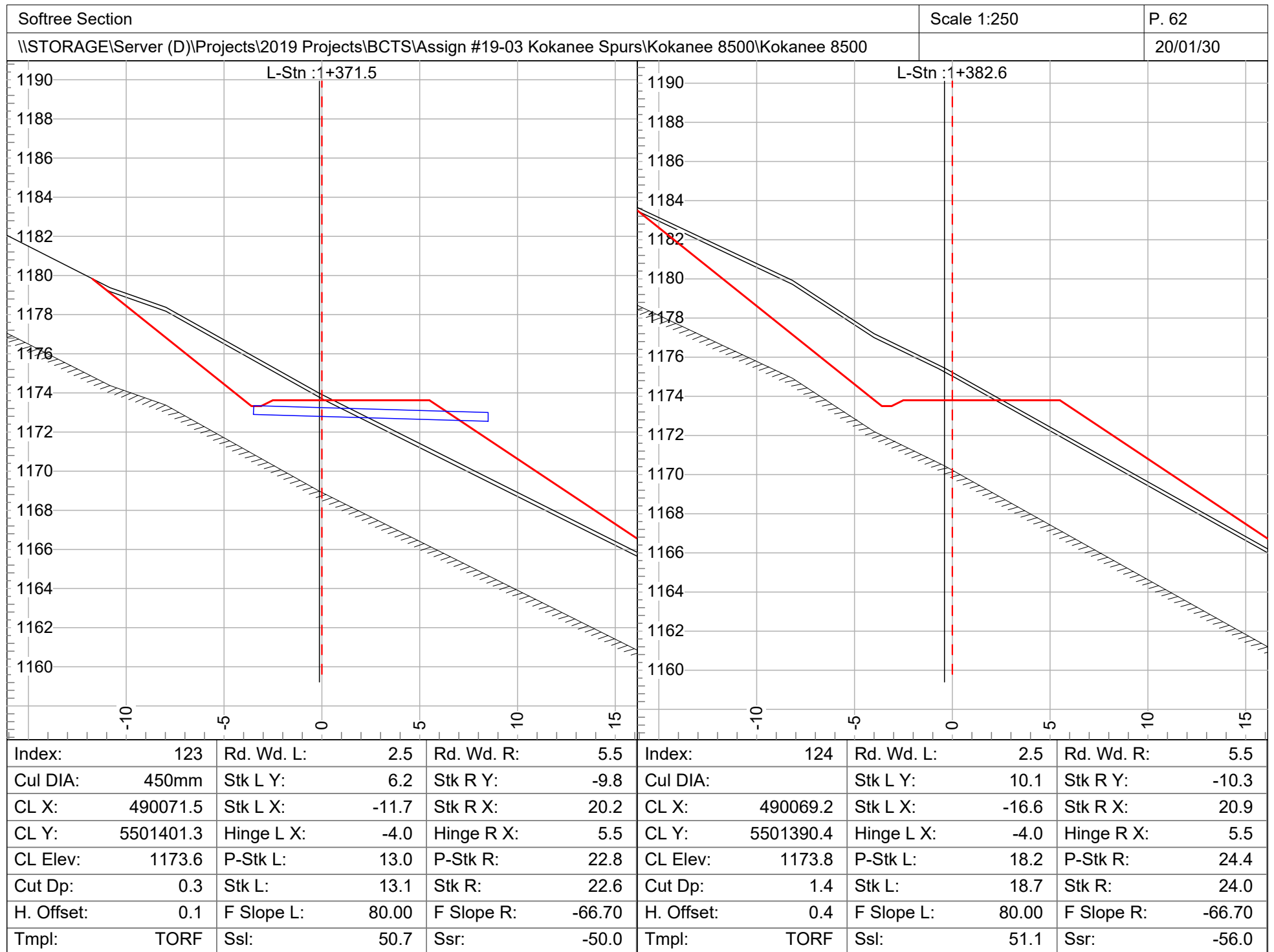


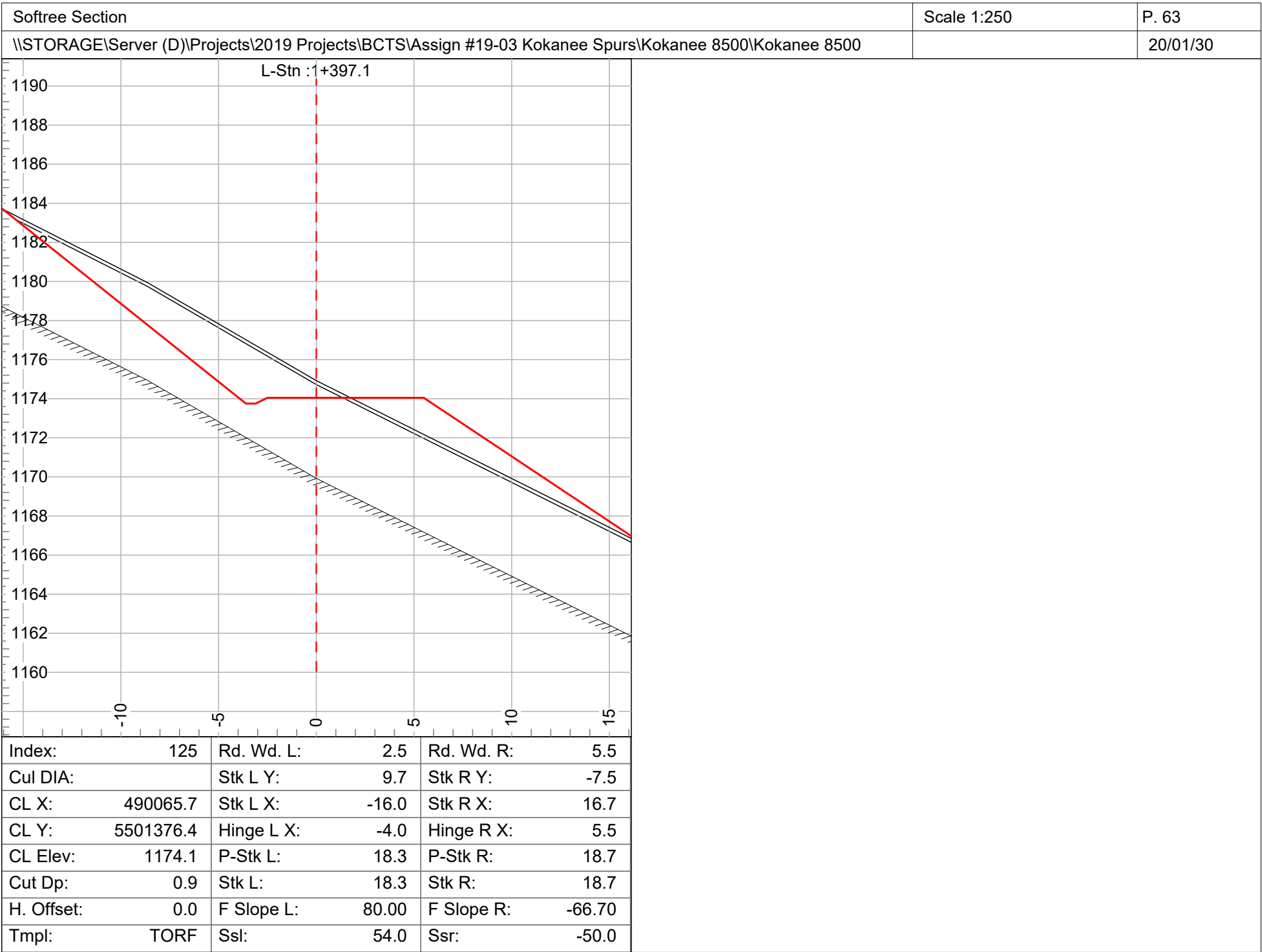


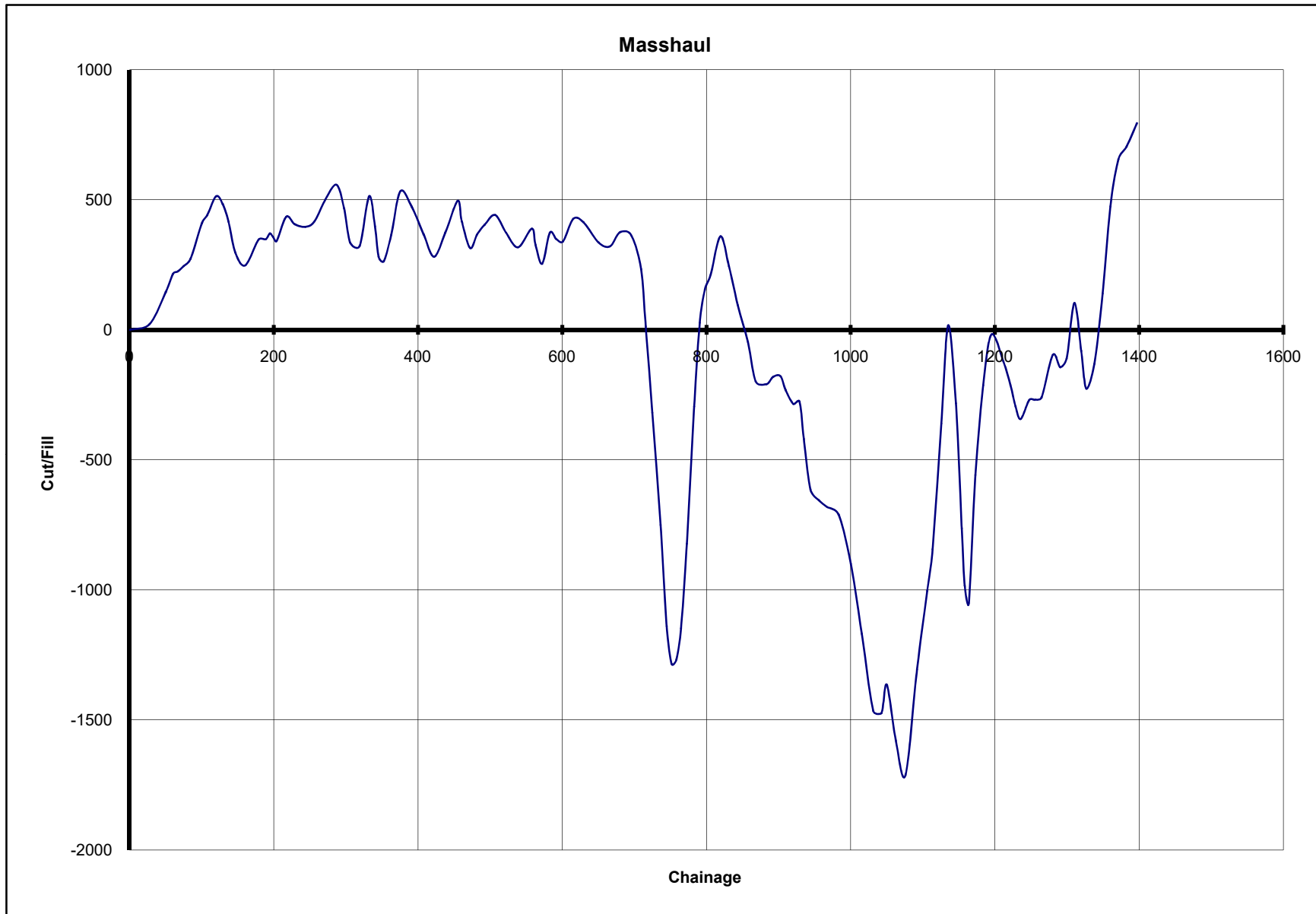












KOKANEE 8500 FSR

SECTION 3

ROAD SPECIFICATIONS
CULVERT TABLE

KOKANEE 8500 FSR					
HUB to STATION & CULVERT REPORT					
Hub	L-Stn m.	Dia mm		Skew	Length
1	0.0				
2	28.0				
3	50.2				
4	60.5				
5	67.1				
6	75.2				
7	84.8				
8	100.3				
9	108.0	450	CROSS DRAIN	37	9.0
10	120.1				
11	129.3				
12	137.5				
13	146.7				
14	160.8				
15	178.9				
16	189.0				
17	194.6				
18	199.4	600	NCD	18	9.0
19	204.3				
20	217.2				
21	229.3				
22	244.1				
23	256.4				
24	271.7				
25	287.2				
26	297.7	450	SWALE	15	9.0
27	306.2				
28	319.1				
29	332.4				
30	340.6	1200	S6 STREAM	12	16.0
31	345.4				
32	352.6				
33	363.0				
34	375.5				
35	391.3				
36	407.8				
37	422.3				
38	438.1				
39	455.2				
40	460.8	450	NCD	30	12.0
41	472.4				
42	482.0				
43	492.7				
44	507.0				
45	522.2				
46	538.9				
47	558.1				
48	563.2	600	NCD	35	11.0
49	572.4				

KOKANEE 8500 FSR					
HUB to STATION & CULVERT REPORT					
Hub	L-Stn m.	Dia mm		Skew	Length
50	583.1				
51	591.8	450	SWALE	21	9.0
52	601.4				
53	615.5				
54	629.5				
55	650.4				
56	666.3				
57	680.2				
58	695.8				
59	709.4				
60	716.0	600	NCD	12	11.0
61	725.2				
62	736.6				
63	744.8				
64	751.7				
65	758.4				
66	765.0				
67	773.1				
68	783.2				
69	790.8				
70	797.9	600	NCD	20	9.0
71	806.1				
72	819.5				
73	831.4				
74	843.6				
75	857.5				
76	868.3				
77	883.2				
78	892.6				
79	902.8				
80	909.9	450	SWALE	36	9.0
81	920.7				
82	929.2				
83	935.1	600	NCD	20	10.0
84	944.2				
85	955.9				
86	967.3				
87	983.5				
88	1000.2				
89	1015.4				
90	1031.3				
91	1043.0				
92	1050.3				
93	1062.6	600	NCD	9	12.0
94	1076.1				
95	1092.1				
96	1106.3				
97	1113.6				
98	1125.9				

	KOKANEE 8500 FSR				
	HUB to STATION & CULVERT REPORT				
Hub	L-Stn m.	Dia mm		Skew	Length
99	1135.4				
100	1146.0				
101	1154.1				
102	1158.2	1200	S6 STREAM	0	15.0
103	1163.9				
104	1173.2				
105	1183.8				
106	1195.4				
107	1211.7				
108	1221.7				
109	1228.8				
110	1235.8				
111	1247.7				
112	1255.7	600	NCD	8	9.0
113	1264.9				
114	1280.4				
115	1290.8	450	SWALE	26	9.0
116	1299.7				
117	1310.3				
118	1319.8	600	NCD	28	11.0
119	1326.9				
120	1338.0				
121	1349.5				
122	1360.2				
123	1371.5	450	SWALE	0	12.0
124	1382.6				
125	1397.1				

KOKANEE 8500 FSR										
VOLUME REPORT										
L-Stn m.					Accumulated				Mass H. m3	Index (Hub)
	Cut V. OM	Fill OM	Cut V. SR	Fill SR	Cut V. OM	Fill OM	Cut V. SR	Fill SR		
0	0		0		0	0	0	0	0	1
28	23	0	0	0	23	0	0	0	23	2
50.2	130	8	0	0	153	9	0	0	145	3
60.5	89	19	0	0	243	27	0	0	215	4
67.1	42	33	0	0	284	60	0	0	224	5
75.2	57	35	0	0	341	95	0	0	246	6
84.8	58	30	0	0	399	126	0	0	273	7
100.3	138	2	0	0	536	127	0	0	409	8
108	48	15	0	0	585	142	0	0	442	9
120.1	115	44	0	0	700	186	0	0	513	10
129.3	20	50	0	0	720	236	0	0	484	11
137.5	8	76	0	0	727	311	0	0	416	12
146.7	2	120	0	0	729	432	0	0	297	13
160.8	47	96	0	0	775	527	0	0	248	14
178.9	125	26	0	0	900	554	0	0	346	15
189	41	39	0	0	941	593	0	0	348	16
194.6	39	17	0	0	980	609	0	0	370	17
199.4	25	40	0	0	1005	650	0	0	355	18
204.3	19	33	0	0	1024	682	0	0	342	19
217.2	108	15	0	0	1132	697	0	0	435	20
229.3	65	94	0	0	1197	791	0	0	406	21
244.1	80	90	0	0	1276	880	0	0	396	22
256.4	55	35	0	0	1332	915	0	0	416	23
271.7	120	36	0	0	1452	952	0	0	500	24
287.2	87	29	0	0	1538	981	0	0	558	25
297.7	31	122	0	0	1569	1103	0	0	467	26
306.2	0	131	0	0	1569	1234	0	0	336	27
319.1	52	65	0	0	1621	1298	0	0	322	28
332.4	198	7	0	0	1819	1305	0	0	513	29
340.6	68	183	0	0	1886	1488	0	0	398	30
345.4	2	119	0	0	1888	1607	0	0	281	31
352.6	56	73	0	0	1944	1680	0	0	263	32
363	147	44	0	0	2091	1725	0	0	366	33
375.5	202	36	0	0	2293	1761	1	0	533	34
391.3	93	152	0	0	2387	1913	1	0	474	35
407.8	39	147	0	0	2426	2060	1	0	367	36
422.3	47	133	0	0	2473	2193	1	0	281	37
438.1	140	48	0	0	2614	2241	1	0	373	38
455.2	137	15	0	0	2751	2255	1	0	496	39

KOKANEE 8500 FSR										
VOLUME REPORT										
L-Stn m.					Accumulated				Mass H. m3	Index (Hub)
	Cut V. OM	Fill OM	Cut V. SR	Fill SR	Cut V. OM	Fill OM	Cut V. SR	Fill SR		
460.8	15	94	0	0	2766	2350	1	0	417	40
472.4	32	134	0	0	2798	2484	1	0	315	41
482	65	13	0	0	2862	2496	1	0	367	42
492.7	66	28	0	0	2929	2524	1	0	405	43
507	67	30	0	0	2996	2555	1	0	442	44
522.2	22	90	0	0	3018	2645	1	0	374	45
538.9	50	106	0	0	3068	2751	1	0	318	46
558.1	136	65	0	0	3204	2815	1	0	389	47
563.2	14	77	0	0	3218	2892	1	0	326	48
572.4	80	152	0	0	3298	3044	1	0	254	49
583.1	125	5	0	0	3422	3049	1	0	374	50
591.8	39	63	0	0	3461	3113	1	0	349	51
601.4	50	60	0	0	3512	3172	1	0	340	52
615.5	114	27	0	0	3626	3199	1	0	427	53
629.5	57	70	0	0	3682	3269	1	0	413	54
650.4	64	141	0	0	3746	3411	1	0	336	55
666.3	78	93	0	0	3825	3503	1	0	322	56
680.2	106	52	0	0	3930	3555	1	0	375	57
695.8	86	97	0	0	4016	3652	1	0	364	58
709.4	30	161	0	0	4046	3813	1	0	234	59
716	5	226	0	0	4051	4038	1	0	13	60
725.2	1	332	0	0	4052	4371	1	0	-319	61
736.6	11	443	0	0	4063	4813	1	0	-750	62
744.8	2	391	0	0	4064	5205	1	0	-1140	63
751.7	6	151	0	0	4070	5355	1	0	-1284	64
758.4	36	19	0	0	4106	5374	1	0	-1268	65
765	120	0	0	0	4226	5374	1	0	-1148	66
773.1	324	0	1	0	4550	5374	1	0	-823	67
783.2	526	0	2	0	5077	5374	3	0	-295	68
790.8	322	0	1	0	5398	5374	4	0	28	69
797.9	136	9	0	0	5534	5383	4	0	154	70
806.1	94	36	0	0	5629	5419	4	0	213	71
819.5	239	92	0	0	5868	5511	4	0	360	72
831.4	99	214	0	0	5966	5725	4	0	245	73
843.6	38	187	0	0	6004	5912	4	0	95	74
857.5	16	158	0	0	6020	6070	4	0	-47	75
868.3	4	156	0	0	6024	6226	4	0	-199	76
883.2	74	84	0	0	6098	6310	4	0	-209	77
892.6	77	48	0	0	6175	6359	4	0	-181	78

KOKANEE 8500 FSR										
VOLUME REPORT										
L-Stn m.					Accumulated				Mass H. m3	Index (Hub)
	Cut V. OM	Fill OM	Cut V. SR	Fill SR	Cut V. OM	Fill OM	Cut V. SR	Fill SR		
902.8	70	68	0	0	6245	6427	4	0	-178	79
909.9	20	74	0	0	6265	6500	4	0	-232	80
920.7	11	64	0	0	6276	6565	4	0	-285	81
929.2	55	46	0	0	6331	6610	4	0	-276	82
935.1	16	160	0	0	6347	6771	4	0	-420	83
944.2	12	206	0	0	6359	6977	4	0	-614	84
955.9	71	112	0	0	6430	7088	4	0	-655	85
967.3	66	92	0	0	6496	7181	4	0	-681	86
983.5	86	116	0	0	6582	7296	4	0	-711	87
1000.2	46	235	0	0	6628	7531	4	0	-900	88
1015.4	19	287	0	0	6646	7818	4	0	-1168	89
1031.3	27	324	0	0	6674	8142	4	0	-1465	90
1043	92	100	0	0	6765	8242	4	0	-1474	91
1050.3	111	2	0	0	6876	8244	4	0	-1365	92
1062.6	50	265	0	0	6926	8508	4	0	-1580	93
1076.1	94	226	0	0	7020	8735	4	0	-1711	94
1092.1	406	1	0	0	7426	8735	4	0	-1306	95
1106.3	303	0	0	0	7729	8736	4	0	-1004	96
1113.6	160	0	0	0	7888	8736	4	0	-844	97
1125.9	484	0	0	0	8373	8736	4	0	-360	98
1135.4	415	37	0	0	8787	8773	4	0	17	99
1146	123	423	0	0	8910	9196	4	0	-283	100
1154.1	17	497	0	0	8927	9694	4	0	-763	101
1158.2	0	220	0	0	8927	9914	4	0	-983	102
1163.9	111	178	0	0	9038	10091	4	0	-1050	103
1173.2	546	58	5	0	9584	10149	8	1	-558	104
1183.8	358	13	0	0	9942	10162	8	1	-213	105
1195.4	218	23	0	0	10160	10185	8	1	-18	106
1211.7	96	199	0	0	10255	10384	8	1	-122	107
1221.7	25	115	0	0	10280	10500	8	1	-212	108
1228.8	16	99	0	0	10296	10599	8	1	-295	109
1235.8	31	80	0	0	10328	10678	8	1	-343	110
1247.7	121	48	0	0	10448	10726	8	1	-270	111
1255.7	56	55	0	0	10504	10781	8	1	-269	112
1264.9	57	47	0	0	10561	10828	8	1	-260	113
1280.4	185	22	0	0	10746	10850	8	1	-97	114
1290.8	61	107	0	0	10807	10958	8	1	-144	115
1299.7	102	68	0	0	10909	11026	8	1	-110	116
1310.3	221	9	0	0	11130	11034	8	1	103	117

KOKANEE 8500 FSR										
VOLUME REPORT										
L-Stn m.					Accumulated				Mass H. m3	Index (Hub)
	Cut V. OM	Fill OM	Cut V. SR	Fill SR	Cut V. OM	Fill OM	Cut V. SR	Fill SR		
1319.8	87	271	0	0	11217	11306	8	1	-81	118
1326.9	20	165	0	0	11237	11471	8	1	-226	119
1338	140	45	0	0	11377	11516	8	1	-131	120
1349.5	280	10	0	0	11657	11525	8	1	140	121
1360.2	334	0	0	0	11992	11525	8	1	474	122
1371.5	278	96	0	0	12270	11621	8	1	656	123
1382.6	257	208	0	0	12526	11830	8	1	704	124
1397.1	412	322	0	0	12938	12151	8	1	795	125

KOKANEE 8500 FSR											
STAKING REPORT											
Index Station	L-Stn m.	Hor Off P to L-line L(-) R(+)	Left				Right				Critical (side slope) >60%)
			Cut (C) Fill (F)		Stake Offset		Cut (C) Fill (F)		Stake Offset		
1	0	0	F	0.3	@	-3.3	C	1.7	@	6.1	
2	28	0	F	0	@	-2.5	C	2.3	@	6.8	
3	50.2	3.1	F	0.2	@	-3.7	C	3.8	@	10	
4	60.5	2.4	F	0.6	@	-3.4	C	2.9	@	9.7	
5	67.1	2.1	F	1.2	@	-4.3	C	3.2	@	10	
6	75.2	0.6	F	1.9	@	-5.4	C	2	@	8.5	
7	84.8	1.8	F	0.2	@	-2.9	C	3.2	@	9.2	
8	100.3	1.7	F	0.2	@	-4.2	C	3.3	@	8	
9	108	1.9	F	2.1	@	-5.7	C	4.4	@	9.5	
10	120.1	0.8	F	0.9	@	-3.9	C	2.5	@	7.1	
11	129.3	0	F	2.9	@	-6.9	C	1.2	@	5.4	
12	137.5	-0.3	F	3.4	@	-7.9	C	0.8	@	5	
13	146.7	0.3	F	3.4	@	-7.9	F	0.5	@	3.2	
14	160.8	0	F	1.1	@	-4.5	C	3.1	@	7.8	
15	178.9	-0.6	F	1.5	@	-4.7	C	2.8	@	7.5	
16	189	-0.3	F	2.4	@	-6.1	C	2.4	@	6.9	
17	194.6	-0.6	F	0.2	@	-2.9	C	4.3	@	9.3	
18	199.4	-0.6	F	3.4	@	-7.6	C	0.7	@	4.9	
19	204.3	-0.7	F	0.5	@	-3.3	C	3.7	@	8.6	
20	217.2	0	F	1.3	@	-4.5	C	4.1	@	9.1	
21	229.3	-0.5	F	4.3	@	-9	C	1.3	@	5.6	
22	244.1	-0.8	F	1.2	@	-4.3	C	3.4	@	8.2	
23	256.4	0.1	F	2.1	@	-5.6	C	3.5	@	8.4	
24	271.7	0.4	F	0.6	@	-3.4	C	2.6	@	7.3	
25	287.2	-0.4	F	2.3	@	-6.1	C	3.4	@	8.2	
26	297.7	-0.7	F	4.3	@	-9.1	F	0.4	@	3.1	
27	306.2	-0.5	F	3.4	@	-7.7	F	0.3	@	3	
28	319.1	0.7	F	0.6	@	-3.4	C	3.5	@	9.5	
29	332.4	1	F	0.3	@	-3.4	C	4.9	@	11.2	
30	340.6	0	F	5.5	@	-10.8	F	2.2	@	7	
31	345.4	0.1	F	2	@	-5.7	C	3.5	@	9.6	
32	352.6	0.2	F	2.4	@	-9.1	C	3.1	@	9	
33	363	0.9	F	1	@	-7	C	5.2	@	10.6	
34	375.5	0.3	F	2.4	@	-9.1	C	4.6	@	9.7	
35	391.3	0.1	F	2.8	@	-6.8	C	2.3	@	6.8	
36	407.8	0.1	F	4.1	@	-8.6	C	2.5	@	7.1	
37	422.3	0.1	F	2.6	@	-6.3	C	3.6	@	8.5	
38	438.1	0.4	F	0.8	@	-3.6	C	3.6	@	8.5	
39	455.2	-0.6	F	0.9	@	-3.9	C	2.8	@	7.5	
40	460.8	-0.2	F	6.2	@	-11.8	F	1.1	@	4.2	
41	472.4	0.3	F	0.1	@	-4.6	C	3.7	@	8.6	
42	482	-0.1	F	2.1	@	-5.6	C	2.8	@	7.5	
43	492.7	0	F	0.6	@	-3.5	C	2.9	@	7.7	
44	507	-0.5	F	1.9	@	-5.3	C	1.6	@	6	
45	522.2	-0.6	F	2.6	@	-6.4	C	2	@	6.5	
46	538.9	0.1	F	2.6	@	-6.4	C	3	@	7.7	
47	558.1	0.6	F	1.1	@	-4.2	C	3.9	@	8.8	
48	563.2	0.1	F	7.3	@	-13.4	F	0.8	@	3.7	
49	572.4	0.8	F	0.2	@	-4.5	C	5	@	10.2	

KOKANEE 8500 FSR										
STAKING REPORT										
Index Station	L-Stn m.	Hor Off P to L-line L(-) R(+)	Left			Right			Critical (side slope) >60%)	
			Cut (C) Fill (F)	Stake Offset		Cut (C) Fill (F)	Stake Offset			
50	583.1	0.1	F	1.2	@	-4.3	C	3.9	@	8.9
51	591.8	-0.4	F	4.2	@	-8.8	C	1.2	@	5.5
52	601.4	0	F	0.6	@	-3.5	C	4	@	9
53	615.5	1	F	1.9	@	-5.4	C	2.5	@	7.1
54	629.5	-0.3	F	2.7	@	-6.5	C	2.4	@	6.9
55	650.4	0.4	F	2.8	@	-6.7	C	3.4	@	8.2
56	666.3	0	F	2.3	@	-6	C	3.4	@	8.2
57	680.2	0.2	F	1.8	@	-5.2	C	4.4	@	9.5
58	695.8	-0.4	F	3.8	@	-8.2	C	2.5	@	7.1
59	709.4	-0.5	F	5.5	@	-10.7	C	2	@	6.5
60	716	-1.1	F	8.8	@	-15.7	F	1.5	@	4.7
61	725.2	-1.1	F	6.1	@	-11.6	C	1.2	@	6.7
62	736.6	-1.7	F	9.4	@	-16.6	C	0.6	@	8.8
63	744.8	-0.3	F	6.7	@	-12.5	C	0.3	@	8.5
64	751.7	0	F	0.8	@	-3.7	F	0.5	@	7.3
65	758.4	0	C	1.2	@	-5.4	C	0.4	@	8.6
66	765	-1.3	C	4.3	@	-8.2	C	0.4	@	8.4
67	773.1	-1.7	C	8.2	@	-11.7	C	0.9	@	8.9
68	783.2	-0.3	C	8.4	@	-12	C	0.7	@	7.3
69	790.8	0.4	C	7.4	@	-11.3	C	0.8	@	4.7
70	797.9	0.7	C	3.3	@	-8.1	F	2.4	@	6.3
71	806.1	-0.6	C	6.8	@	-12.5	F	2.2	@	8.8
72	819.5	-0.2	C	5.2	@	-10.5	F	4.6	@	12.3
73	831.4	-0.1	C	2.6	@	-7.2	F	6.2	@	14.8
74	843.6	0.5	C	1.9	@	-6.3	F	2.9	@	6.9
75	857.5	0	C	0.6	@	-4.7	F	4.4	@	9.1
76	868.3	0.1	C	1.1	@	-5.4	F	4.3	@	9
77	883.2	0	C	5.1	@	-10.4	F	1.2	@	4.3
78	892.6	-0.3	C	3.7	@	-8.8	F	4	@	8.5
79	902.8	-0.4	C	3.4	@	-8.4	F	3.9	@	8.3
80	909.9	-0.3	F	0.4	@	-3.3	F	2.3	@	5.9
81	920.7	-0.6	C	4.7	@	-10	F	1.7	@	5
82	929.2	-0.2	C	4.2	@	-9.2	F	4.3	@	8.9
83	935.1	0	F	1	@	-4	F	8.9	@	15.8
84	944.2	-0.2	C	3.5	@	-8.4	F	4.6	@	9.4
85	955.9	0	C	3.8	@	-8.8	F	4.6	@	9.4
86	967.3	-0.5	C	4	@	-8.9	F	3	@	7
87	983.5	-0.8	C	3.3	@	-8.1	F	4.5	@	9.2
88	1000.2	0.8	C	1.6	@	-5.9	F	6.8	@	12.7
89	1015.4	-0.4	C	2	@	-6.5	F	7.2	@	13.3
90	1031.3	0.2	C	3.4	@	-8.2	F	6.2	@	11.8
91	1043	0	C	5.6	@	-11	F	0.7	@	3.5
92	1050.3	-0.4	C	7	@	-12.8	F	0.9	@	3.6
93	1062.6	0.3	F	2.2	@	-4.9	F	11.9	@	15.8
94	1076.1	-0.2	C	10.1	@	-16.6	F	0	@	4.1
95	1092.1	-0.4	C	7	@	-12.7	F	0.3	@	3
96	1106.3	0.4	C	7.5	@	-13.3	F	0.3	@	3.5
97	1113.6	0.6	C	8	@	-14	F	0.2	@	2.8
98	1125.9	-0.8	C	12.1	@	-19	C	0.7	@	4.8

KOKANEE 8500 FSR										
STAKING REPORT										
Index Station	L-Stn m.	Hor Off P to L-line L(-) R(+)	Left				Right			
			Cut (C) Fill (F)		Stake Offset		Cut (C) Fill (F)		Stake Offset	
99	1135.4	-0.2	C	10.2	@	-16.7	F	8	@	14.5
100	1146	0.4	C	3.3	@	-8.1	F	7.7	@	17.1
101	1154.1	0.7	F	0.4	@	-3.1	F	3.3	@	11.5
102	1158.2	1.3	F	1	@	-4	F	10.2	@	21.8
103	1163.9	0.3	C	12.1	@	-19.6	F	6.8	@	16.7
104	1173.2	-0.3	C	10	@	-18.2	F	1.3	@	6.4
105	1183.8	0.4	C	7.2	@	-14.7	F	0.6	@	3.4
106	1195.4	-0.3	C	5.4	@	-11	F	3.8	@	8.3
107	1211.7	-0.5	C	2.2	@	-6.8	F	4.3	@	8.9
108	1221.7	0	C	3	@	-7.8	F	4.5	@	9.2
109	1228.8	0.1	C	2.2	@	-6.7	F	5.2	@	10.3
110	1235.8	0.2	C	4.6	@	-9.8	F	3.4	@	7.5
111	1247.7	0.3	C	6.2	@	-11.7	F	2.5	@	6.2
112	1255.7	0.5	C	2.1	@	-6.6	F	3.6	@	7.9
113	1264.9	-0.4	C	5.5	@	-10.8	F	1.1	@	4.2
114	1280.4	0	C	5.2	@	-10.5	F	2.5	@	6.3
115	1290.8	0.1	C	3.3	@	-8.1	F	7.1	@	13.1
116	1299.7	0	C	7.3	@	-13.1	F	0.3	@	3
117	1310.3	0.3	C	7.6	@	-13.5	F	4.6	@	9.4
118	1319.8	0.9	F	1.1	@	-4.2	F	10.5	@	18.3
119	1326.9	-0.4	C	6.1	@	-11.6	F	3.6	@	7.9
120	1338	-0.3	C	7.1	@	-12.9	F	2.1	@	5.7
121	1349.5	-0.5	C	9.9	@	-16.3	F	0.3	@	4.2
122	1360.2	-0.1	C	10.4	@	-16.9	C	0.1	@	4.1
123	1371.5	0.1	C	6.2	@	-11.7	F	9.8	@	20.2
124	1382.6	0.4	C	10.1	@	-16.6	F	10.3	@	20.9
125	1397.1	0	C	9.7	@	-16	F	7.5	@	16.7

KOKANEE 8500 FSR						
CLEARING REPORT						
Index Station	L-Stn	Hor Off	Hor Off		Clearing	Clr Total
	m.	P to L-line m.	Clr stake to L-line Left	Right	Area sqr.m.	ha.
1	0.0	0	-3.3	6.1	244	0.02
2	28.0	0	-2.5	6.8	259	0.05
3	50.2	3.1	-3.7	10.0	138	0.06
4	60.5	2.4	-3.4	9.7	109	0.08
5	67.1	2.1	-9.0	13.0	171	0.09
6	75.2	0.6	-9.0	11.5	202	0.11
7	84.8	1.8	-9.0	12.2	312	0.14
8	100.3	1.7	-9.0	11.0	146	0.16
9	108.0	1.9	-9.0	12.5	262	0.18
10	120.1	0.8	-9.0	10.1	171	0.20
11	129.3	0	-9.9	9.0	155	0.22
12	137.5	-0.3	-10.9	9.0	189	0.24
13	146.7	0.3	-10.9	9.0	277	0.26
14	160.8	0	-9.0	10.8	358	0.30
15	178.9	-0.6	-9.0	10.5	192	0.32
16	189.0	-0.3	-9.1	9.9	114	0.33
17	194.6	-0.6	-9.0	12.3	101	0.34
18	199.4	-0.6	-10.6	9.0	97	0.35
19	204.3	-0.7	-9.0	11.6	268	0.38
20	217.2	0	-9.0	12.1	250	0.40
21	229.3	-0.5	-12.0	9.0	312	0.43
22	244.1	-0.8	-9.0	11.2	243	0.46
23	256.4	0.1	-9.0	11.4	319	0.49
24	271.7	0.4	-9.0	10.3	300	0.52
25	287.2	-0.4	-9.1	11.2	217	0.54
26	297.7	-0.7	-12.1	9.0	172	0.56
27	306.2	-0.5	-10.7	9.0	252	0.58
28	319.1	0.7	-9.0	12.5	290	0.61
29	332.4	1	-9.0	14.2	198	0.63
30	340.6	0	-13.8	10.0	100	0.64
31	345.4	0.1	-9.0	12.6	174	0.66
32	352.6	0.2	-12.1	12.0	244	0.68
33	363.0	0.9	-10.0	13.6	301	0.71
34	375.5	0.3	-12.1	12.7	371	0.75
35	391.3	0.1	-9.8	9.8	331	0.78
36	407.8	0.1	-11.6	10.1	312	0.81
37	422.3	0.1	-9.3	11.5	345	0.85
38	438.1	0.4	-9.0	11.5	345	0.88
39	455.2	-0.6	-9.0	10.5	123	0.90
40	460.8	-0.2	-14.8	9.0	235	0.92
41	472.4	0.3	-9.0	11.6	186	0.94
42	482.0	-0.1	-9.0	10.5	209	0.96
43	492.7	0	-9.0	10.7	272	0.99
44	507.0	-0.5	-9.0	9.0	279	1.01
45	522.2	-0.6	-9.4	9.5	322	1.05
46	538.9	0.1	-9.4	10.7	404	1.09
47	558.1	0.6	-9.0	11.8	112	1.10
48	563.2	0.1	-16.4	9.0	218	1.12
49	572.4	0.8	-9.0	13.2	226	1.14

KOKANEE 8500 FSR						
CLEARING REPORT						
Index Station	L-Stn	Hor Off	Hor Off		Clearing	Clr Total
	m.	P to L-line m.	Clr stake to L-line Left	Right	Area sqr.m.	ha.
50	583.1	0.1	-9.0	11.9	183	1.16
51	591.8	-0.4	-11.8	9.0	202	1.18
52	601.4	0	-9.0	12.0	282	1.21
53	615.5	1	-9.0	10.1	268	1.24
54	629.5	-0.3	-9.5	9.9	414	1.28
55	650.4	0.4	-9.7	11.2	332	1.31
56	666.3	0	-9.0	11.2	287	1.34
57	680.2	0.2	-9.0	12.5	333	1.37
58	695.8	-0.4	-11.2	10.1	298	1.40
59	709.4	-0.5	-13.7	9.5	168	1.42
60	716.0	-1.1	-18.7	9.0	233	1.44
61	725.2	-1.1	-14.6	9.7	331	1.48
62	736.6	-1.7	-19.6	11.8	247	1.50
63	744.8	-0.3	-15.5	11.5	170	1.52
64	751.7	0	-9.0	10.3	138	1.53
65	758.4	0	-9.0	11.6	142	1.54
66	765.0	-1.3	-11.2	11.4	197	1.56
67	773.1	-1.7	-14.7	11.9	266	1.59
68	783.2	-0.3	-15.0	10.3	185	1.61
69	790.8	0.4	-14.3	9.0	150	1.62
70	797.9	0.7	-11.1	9.3	194	1.64
71	806.1	-0.6	-15.5	11.8	362	1.68
72	819.5	-0.2	-13.5	15.3	339	1.71
73	831.4	-0.1	-10.2	17.8	294	1.74
74	843.6	0.5	-9.3	9.9	280	1.77
75	857.5	0	-9.0	12.1	223	1.79
76	868.3	0.1	-9.0	12.0	304	1.82
77	883.2	0	-13.4	9.0	212	1.85
78	892.6	-0.3	-11.8	11.5	235	1.87
79	902.8	-0.4	-11.4	11.3	152	1.88
80	909.9	-0.3	-9.0	9.0	196	1.90
81	920.7	-0.6	-13.0	9.0	184	1.92
82	929.2	-0.2	-12.2	11.9	153	1.94
83	935.1	0	-9.0	18.8	216	1.96
84	944.2	-0.2	-11.4	12.4	282	1.99
85	955.9	0	-11.8	12.4	266	2.01
86	967.3	-0.5	-11.9	10.0	359	2.05
87	983.5	-0.8	-11.1	12.2	398	2.09
88	1000.2	0.8	-9.0	15.7	375	2.13
89	1015.4	-0.4	-9.5	16.3	412	2.17
90	1031.3	0.2	-11.2	14.8	292	2.20
91	1043.0	0	-14.0	9.0	173	2.21
92	1050.3	-0.4	-15.8	9.0	300	2.24
93	1062.6	0.3	-9.0	18.8	324	2.28
94	1076.1	-0.2	-19.6	9.0	428	2.32
95	1092.1	-0.4	-15.7	9.0	353	2.36
96	1106.3	0.4	-16.3	9.0	184	2.37
97	1113.6	0.6	-17.0	9.0	355	2.41

	KOKANEE 8500 FSR					
	<i>CLEARING REPORT</i>					
Index Station	L-Stn	Hor Off	Hor Off		Clearing	Clr Total
	m.	P to L-line m.	Clr stake to L-line Left	Right	Area sqr.m.	ha.
98	1125.9	-0.8	-22.0	9.0	327	2.44
99	1135.4	-0.2	-19.7	17.5	377	2.48
100	1146.0	0.4	-11.1	20.1	252	2.50
101	1154.1	0.7	-9.0	14.5	119	2.52
102	1158.2	1.3	-9.0	24.8	196	2.54
103	1163.9	0.3	-22.6	19.7	353	2.57
104	1173.2	-0.3	-21.2	9.4	303	2.60
105	1183.8	0.4	-17.7	9.0	301	2.63
106	1195.4	-0.3	-14.0	11.3	403	2.67
107	1211.7	-0.5	-9.8	11.9	218	2.69
108	1221.7	0	-10.8	12.2	163	2.71
109	1228.8	0.1	-9.7	13.3	163	2.73
110	1235.8	0.2	-12.8	10.5	276	2.75
111	1247.7	0.3	-14.7	9.2	179	2.77
112	1255.7	0.5	-9.6	10.9	195	2.79
113	1264.9	-0.4	-13.8	9.0	352	2.83
114	1280.4	0	-13.5	9.3	257	2.85
115	1290.8	0.1	-11.1	16.1	235	2.88
116	1299.7	0	-16.1	9.0	271	2.90
117	1310.3	0.3	-16.5	12.4	280	2.93
118	1319.8	0.9	-9.0	21.3	180	2.95
119	1326.9	-0.4	-14.6	10.9	280	2.98
120	1338.0	-0.3	-15.9	9.0	307	3.01
121	1349.5	-0.5	-19.3	9.0	299	3.04
122	1360.2	-0.1	-19.9	9.0	351	3.07
123	1371.5	0.1	-14.7	23.2	415	3.11
124	1382.6	0.4	-19.6	23.9	623	3.18
125	1397.1	0	-19.0	19.7	0	3.18

CONSTRUCTION SUMMARY						
		FREE HAUL - MATERIAL AVAILABLE FOR ROAD CONSTRUCTION WITHIN 75m				
		END HAUL MATERIAL TRUCKED 75m - 500m				
		END HAUL MATERIAL TRUCKED FARTHER THAN 500m				
TYPE	VOL. (cu. m.)	DIRECTION	CUT RANGE (FROM)		FILL RANGE (TO)	
Borrow/Waste	130	Pull	0+079	0+097	0+000	0+000
Borrow/Waste	245	Pull	0+000	0+075	0+000	0+000
Free Haul	139	Push	0+097	0+141	0+097	0+141
Free Haul	139	Pull	0+141	0+209	0+141	0+209
Free Haul	77	Push	0+209	0+233	0+209	0+233
Free Haul	16	Pull	0+233	0+241	0+233	0+241
Free Haul	182	Push	0+241	0+303	0+241	0+303
Free Haul	84	Pull	0+303	0+323	0+303	0+323
Free Haul	138	Push	0+323	0+342	0+323	0+342
Free Haul	112	Pull	0+342	0+364	0+342	0+364
Free Haul	174	Push	0+364	0+406	0+364	0+406
Free Haul	97	Pull	0+406	0+439	0+406	0+439
Free Haul	118	Push	0+439	0+462	0+439	0+462
Free Haul	82	Pull	0+462	0+485	0+462	0+485
Free Haul	64	Push	0+485	0+521	0+485	0+521
Borrow/Waste	130	Pull	1+380	1+397	0+522	0+522
Borrow/Waste	232	Pull	1+359	1+368	0+522	0+522
Over Haul	42	Pull	0+610	0+620	0+522	0+522
Free Haul	75	Pull	0+522	0+560	0+522	0+560
Free Haul	136	Pull	0+560	0+610	0+560	0+610
Borrow/Waste	53	Pull	1+357	1+359	0+620	0+638
Free Haul	59	Pull	0+638	0+681	0+638	0+681
Borrow/Waste	20	Pull	1+356	1+357	0+681	0+696
Over Haul	337	Pull	0+791	0+820	0+696	0+716
Free Haul	1307	Pull	0+716	0+791	0+716	0+791
Borrow/Waste	257	Pull	1+348	1+356	0+820	0+842
Over Haul	64	Pull	1+307	1+310	0+842	0+849
Over Haul	213	Pull	1+131	1+138	0+849	0+867
Free Haul	72	Pull	0+867	0+891	0+867	0+891

Over Haul	91	Pull	1+128	1+131	0+903	0+915
Free Haul	19	Pull	0+915	0+927	0+915	0+927
Over Haul	984	Pull	1+095	1+128	0+927	1+020
Free Haul	528	Pull	1+020	1+095	1+020	1+095
Over Haul	38	Pull	1+305	1+307	1+138	1+140
Free Haul	1073	Pull	1+140	1+200	1+140	1+200
Over Haul	85	Pull	1+301	1+305	1+200	1+209
Free Haul	260	Pull	1+209	1+283	1+209	1+283
Free Haul	90	Pull	1+283	1+301	1+283	1+301
Free Haul	329	Pull	1+310	1+348	1+310	1+348
Free Haul	35	Pull	1+368	1+380	1+368	1+380

