

Notat

Grontmij A/S
Dusager 12
8200 Aarhus N
Danmark
T +45 8210 5100
F +45 8210 5155
www.grontmij.dk
CVR-nr. 48233511

Regulativkontrol, Åmose Å

28. september 2015
Projekt: 31.1030.25

Til : Holbæk kommune, Sorø Kommune og Kalundborg Kommune

Fra : Peter Eskildsen

1 INDLEDNING

Dette notat er udarbejdet som en kontrol af regulativopfyldelse af Åmose Å på strækningen fra tilløb af Sandlyng Å i St. 9.320 m til indløb af vejbro ved Bromølle i St. 24.852 m.

Basis for kontrol er opmålinger af tværprofiler udført i 2013, 2014 og 2015.

Dette notat og konklusionen vurderes ikke fuldstændigt fyldestgørende, da der pt. pågår en supplerende opmåling ved enkelte lokaliteter på baggrund af lodsejertilbagemeldinger om lokaliteter med profilindsnævninger. Der kan dermed godt være behov for oprensning der ikke fremgår af dette notat.

1.1 Regulativgrundlag

Det retsmæssige grundlag for afgørelse om oprensning af Åmose Å på strækningen fra St. 9.320 m – St. 24.858 m, beskrevet i "Regulativ for Åmose Å, Sandlyng Å til Bromølle". Regulativet er fra 1996.

For Åmose Å er vedligeholdelsesgrundlaget en kontrol af tværsnitsareal jfr. figur 1.

3.	Vandløbets vedligeholdelsesgrundlag
3.1	Amtsrådet har besluttet, at den omhandlede strækning af Åmose Å fra st. 9.320 - st. 24.986 skal vedligeholdes, så der opretholdes tværsnitsprofiler, som opfylder et krav om et minimumstværsnitsareal, mens strækningen st. 24.986 - 25.896 er tunnelstrækningen uden løbende vedligeholdelse.
3.2	Minimums-tværsnitsarealet defineres som størrelsen af det areal, der mindst skal forefindes under nogle bestemte vandstandskoter på et hvilket som helst sted på vandløbsstrækningen. Minimums-tværsnitsarealer angives som arealet af tværsnittet under koterne 30 cm, 60 cm og 110 cm over de "teoretiske" bundkoter, der oftest er identiske med bundkoterne i det tidligere regulativ. De anførte værdier i skemaerne på side 5 og 6 er minimumstværsnitsarealer.
3.3	Tværsnitskontrol og kontrol af vandstand foretages ved skalapælene nr. 10-17, men kan principielt foretages hvor som helst i vandløbet.

Figur 1. Vedligeholdelsesgrundlag for Åmose Å.

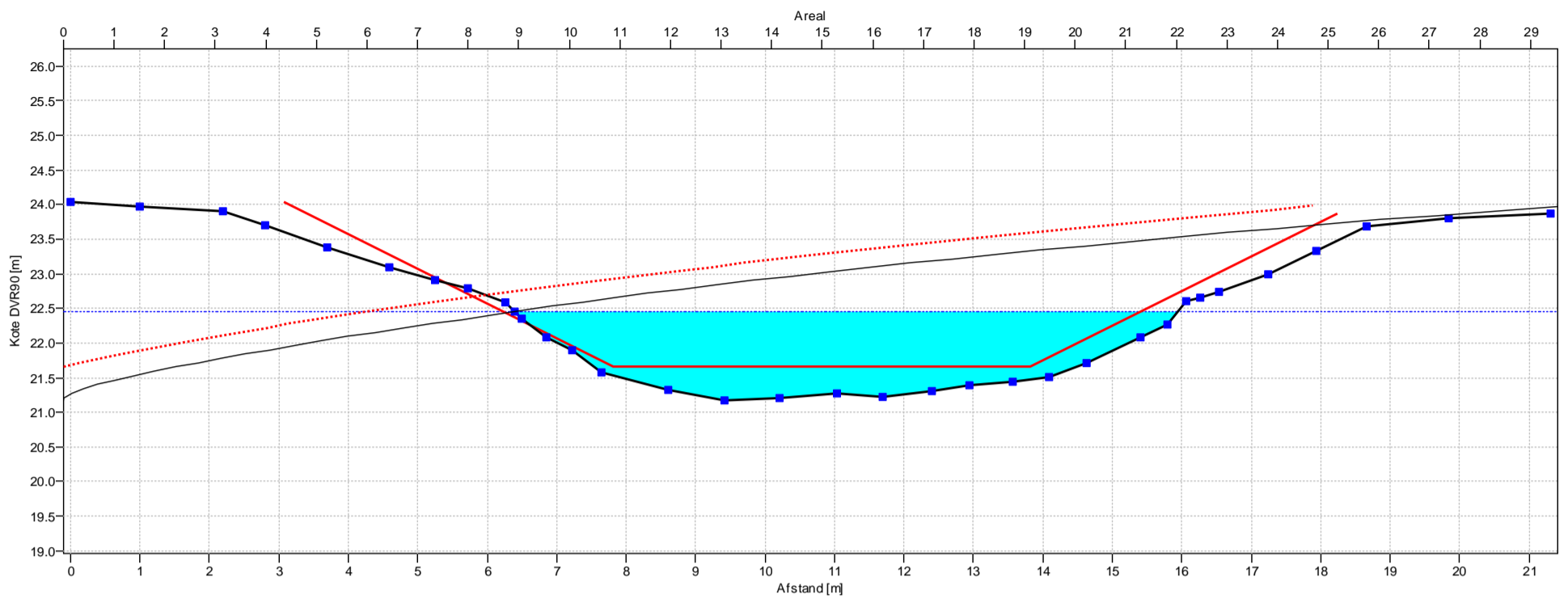
Minimumstværsnitsarealer ved ovenstående skalapæle fremgår af regulativet.

I nærværende notat er udført arealkontrol ved samtlige opmålte tværprofiler. Kontrol er udført ved beregning af arealkotekurver for de regulativmæssige dimensioner og de opmålte dimensioner.

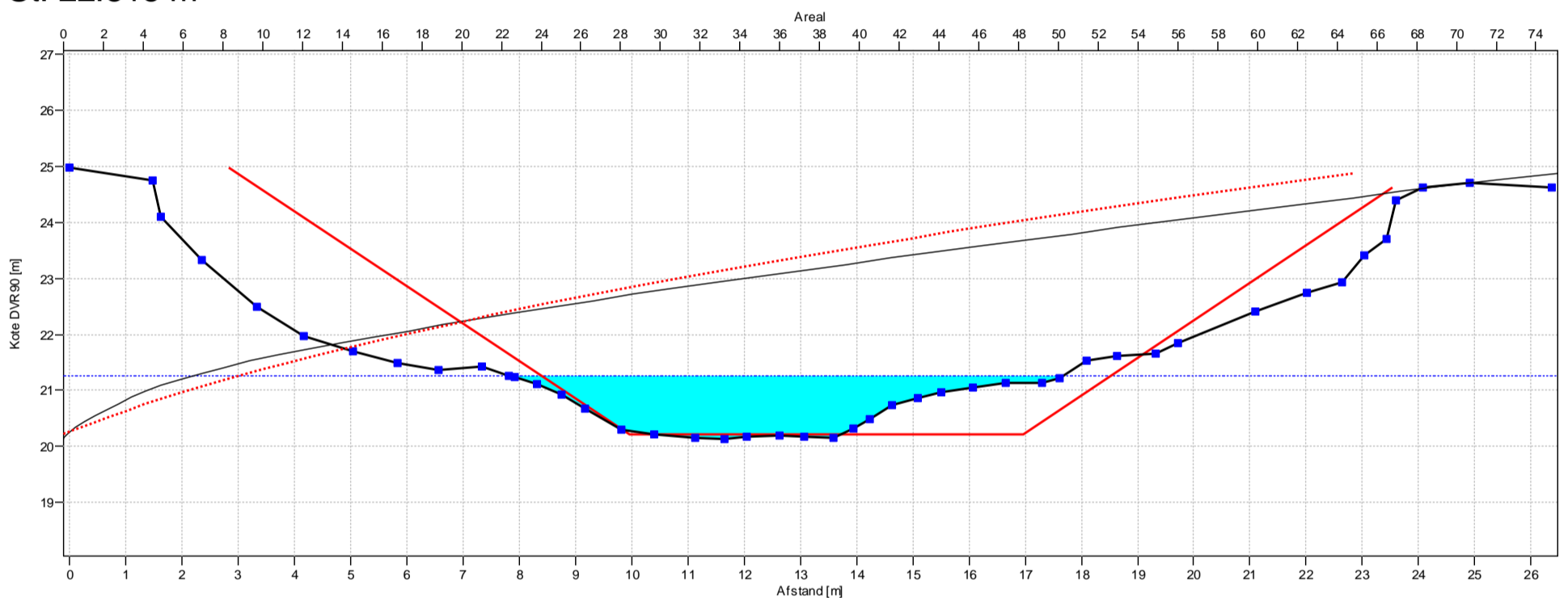
Ved arealkontrol er medtaget det opmålte profils fulde areal.

2 eksempler på kontrol nedenfor. I St. 9.470 m er der tilstrækkeligt areal ved alle koter. (Rød kurve ligger over sort kurve). Ved St. 22.815 m kan registreres underskridelse af arealkravet under kote ca. 22 m. (Sort kurve ligger over rød kurve).

3



St. 22.815 m



Kan der ved udført kontrol registreres tværsnitsareal mindre end ved regulativmæssige dimensioner skal der udføres en oprensning.

Ved behov for oprensning afklares hvorvidt der skal fjernes aflejringer i siden af vandløbet eller om der skal oprenses i bunden af profilet.

Der oprenses som udgangspunkt til fuld regulativmæssig bredde og dybde.

2

KONKLUSION

Der skal foretages oprensning på en samlet strækning af 3.965 m. Dette er fordelt på 11 lokaliteter.

Start og slutpunkter og tilhørende stationering for delstræk med behov for oprensning fremgår af oprensningstabel i afsnit 3. Af afsnit 4 fremgår arealkontrol for hvert tværprofil på den undersøgte strækning.

3

OPRENSNINGSTABEL

Station [m]	Regulativ bundkote (DVR90)	Areal kontrol udført	Oprensning Ja/Nej	Bemærkning	Længde på strækning. m.
9320,0	21,68	Nej	Nej		
9328,3	21,68	Ja	Nej		
9352,8	21,68	Ja	Ja	Bund sænkes i fuld bredde, samt brinker op til kote 23 m. Ca. 20 cm.	71
9470,0	21,66	Ja	Nej		
9588,7	21,65	Ja	Ja	Bund sænkes i fuld bredde, samt brinker op til kote 23 m. Ca. 20 cm.	164
9798,0	21,62	Ja	Nej		
9996,2	21,60	Ja	Ja	Beskeden oprensning (10 cm) af bund i begge sider.	168
10134,0	21,57	Ja	Nej		
10453,5	21,54	Ja	Nej		
10634,3	21,52	Ja	Nej		
10877,1	21,49	Ja	Nej		
11105,0	21,47	Ja	Nej		
11185,1	21,46	Ja	Nej		
11456,9	21,42	Ja	Nej		
11632,2	21,40	Ja	Nej		
11806,0	21,38	Ja	Nej		
11936,3	21,37	Ja	Nej		
12469,4	21,30	Ja	Nej		
12671,0	21,28	Ja	Nej		
12910,0	21,25	Ja	Nej		
12952,3	21,24	Ja	Nej		
13020,2	21,23	Ja	Nej		
13213,0	21,21	Ja	Nej		
13387,7	21,19	Ja	Nej		
13574,3	21,17	Ja	Nej		
13725,9	21,15	Ja	Nej		
13975,3	21,12	Ja	Nej		
14227,0	21,09	Ja	Nej		
14269,3	21,08	Ja	Nej		
14458,7	21,06	Ja	Nej		
14590,2	21,05	Ja	Nej		
14792,5	21,02	Ja	Nej		
15034,7	20,99	Ja	Nej		
15066,3	20,99	Ja	Nej		
15253,4	20,97	Ja	Nej		
15470,7	20,94	Ja	Nej		
15655,2	20,92	Ja	Nej		
15817,0	20,90	Ja	Nej		
16016,4	20,87	Ja	Nej		

16164,0	20,86	Ja	Nej		
16309,9	20,84	Ja	Nej		
16508,2	20,81	Ja	Nej		
16700,4	20,79	Ja	Nej		
16942,2	20,76	Ja	Nej		
17141,0	20,74	Ja	Ja	Brinkfod på nordlig side. Ca. 1,5 m.	186
17315,0	20,72	Ja	Nej		
17458,6	20,70	Ja	Nej		
17462,0	20,7	Nej	Nej	Skellingsted Bro	
17468,0	20,7	Nej	Nej	Skellingsted Bro	
17482,8	20,70	Ja	Ja	Beskedden oprensning (15-20 cm) af bund i begge sider.	105
17573,0	20,69	Ja	ja	Beskedden oprensning (15-20 cm) af bund i begge sider.	216
17699,0	20,67	Ja	Nej		
17885,7	20,65	Ja	Ja	Brinkfod på nordlig side	354
18052,7	20,64	Ja	Ja	Brinkfod på sydlig side	395
18280,7	20,61	Ja	Ja	Brinkfod på nordlig side. Bund sænkes ca. 30 cm ved sydlig bred.	352
18405,1	20,60	Ja	Nej		
18618,8	20,57	Ja	Nej		
18789,3	20,55	Ja	Ja	Aflejring på bund ved nordlig bred. Ca. 0,5-1 m fjernes	341
18960,2	20,54	Ja	Ja	Aflejring på bund ved nordlig bred. Ca. 0,5-1 m fjernes	224
19013,0	20,53	Ja	Ja	Aflejring på bund ved nordlig bred. Ca. 0,5-1 m fjernes	153
19113,0	20,52	Ja	Nej		
19316,0	20,50	Ja	Nej		
19462,0	20,48	Ja	Nej		
19630,0	20,46	Ja	Nej		
19809,0	20,44	Ja	Nej		
19994,0	20,42	Ja	Nej		
20240,9	20,40	Ja	Nej		
20411,0	20,36	Ja	Nej		
20562,0	20,35	Ja	Nej		
20632,0	20,35	Ja	Nej		
20633,0	20,35	Ja	Nej		
20635,0	20,35	Ja	Nej		
20635,4	20,35	Ja	Nej		
20816,0	20,33	Ja	Nej		

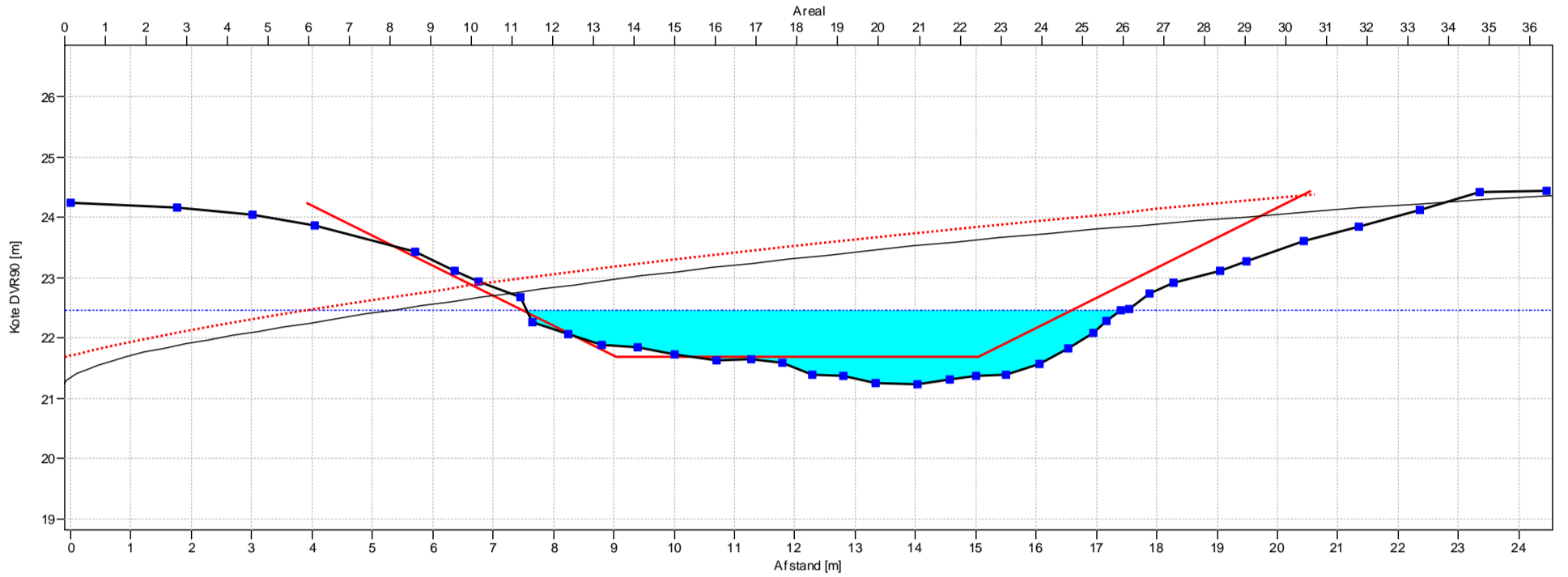
20924,0	20,32	Nej	Nej	Tilløb Reerslv. Møllerende	142
21099,0	20,31	Ja	Nej		
21210,0	20,31	Ja	Nej	Brinkfod på nordlig side. Ca. 1 m.	186
21471,0	20,29	Ja	Nej		
21673,9	20,28	Ja	Nej	Brinkfødder begge sider. Ca. 1 m i hver side.	189
21848,6	20,28	Ja	Nej		
21941,5	20,27	Ja	Nej		
22151,2	20,26	Ja	Nej		
22256,8	20,26	Ja	Nej		
22423,1	20,25	Ja	Nej		
22593,9	20,24	Ja	Nej	Brinkfod på nordlig side. Ca. 0,5 m.	393
22815,9	20,23	Ja	Nej	Brinkfod på nordlig side. Ca. 3 m. Fjernes til regulativ bund.	232
22826,1	20,23	Ja	Nej	Brinkfod på nordlig side. Ca. 2 m. Fjernes til regulativ bund.	94
22910,0	20,22	Ja	Nej		
23003,2	20,22	Ja	Nej		
23204,0	20,21	Ja	Nej		
23325,4	20,20	Ja	Nej		
23464,0	20,20	Ja	Nej		
23598,0	20,19	Ja	Nej		
23700,1	20,19	Ja	Nej		
23842,1	20,18	Ja	Nej		
23940,1	20,17	Ja	Nej		
24082,1	20,17	Ja	Nej		
24252,5	20,16	Ja	Nej		
24416,0	20,15	Ja	Nej		
24431,0	20,15	Ja	Nej		
24588,1	20,14	Ja	Nej		
24711,0	20,14	Ja	Nej		
24852,0	20,13	Ja	Nej	Bromølle Bro	
24858,0	20,13	Ja	Nej		

Tabel 1. Oprensningstabel.

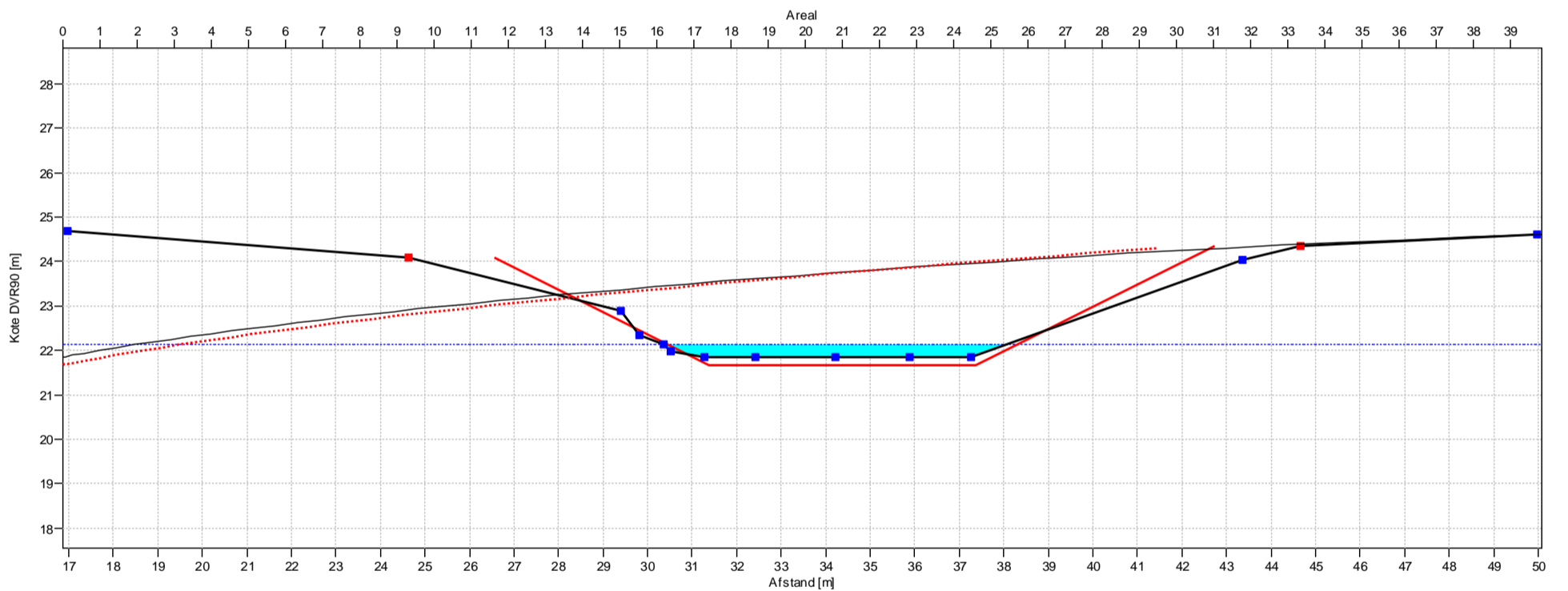
7
4

AREALKONTROL

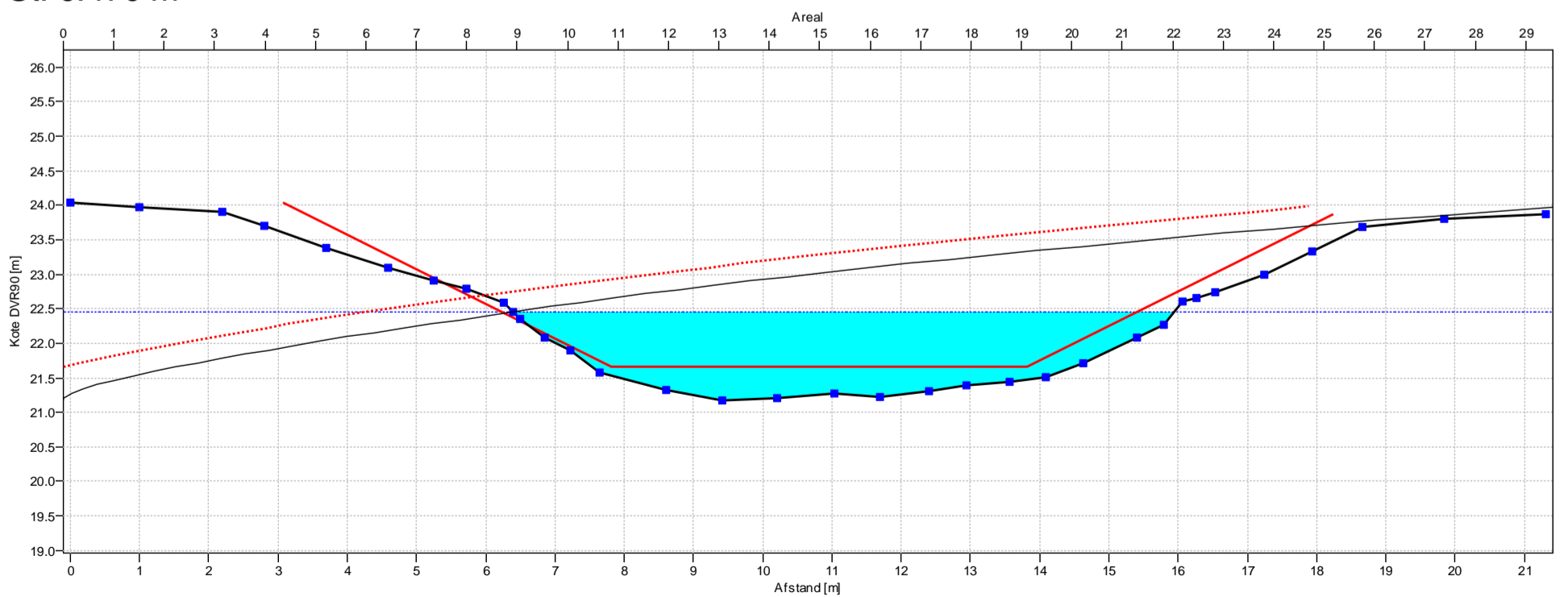
St. 9.328 m



St. 9.352 m

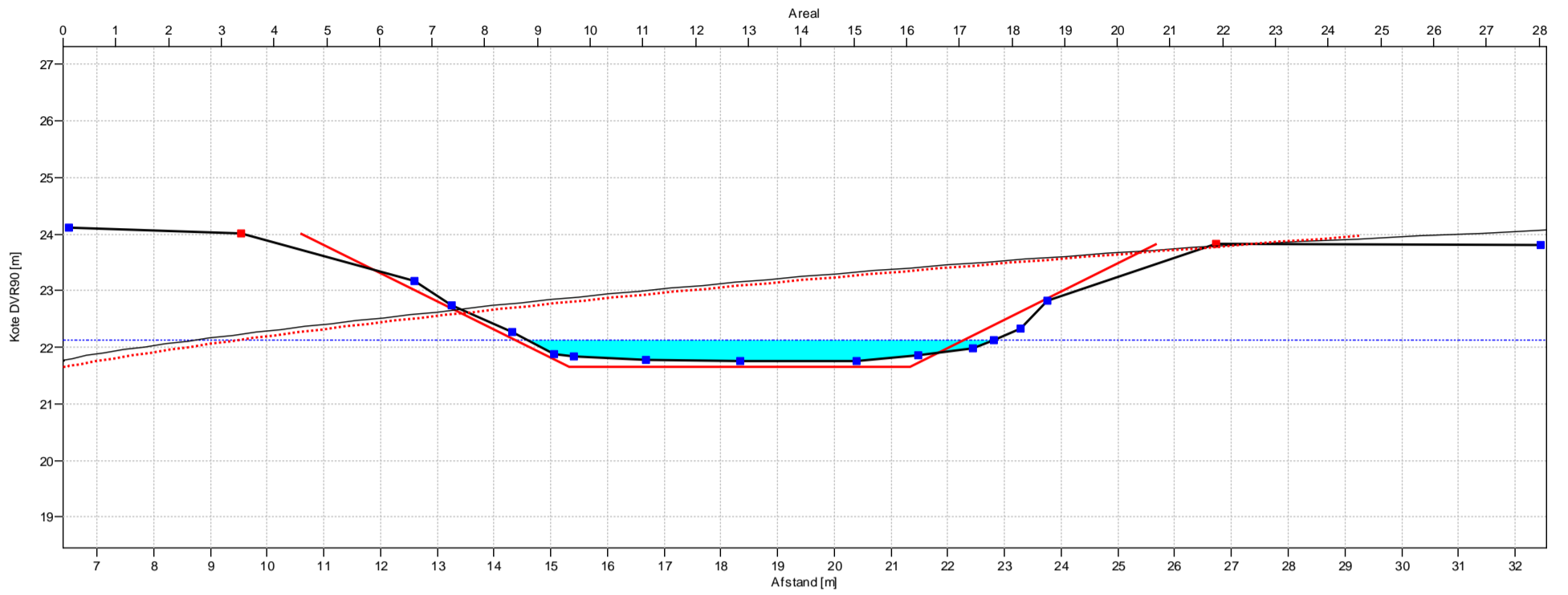


St. 9.470 m

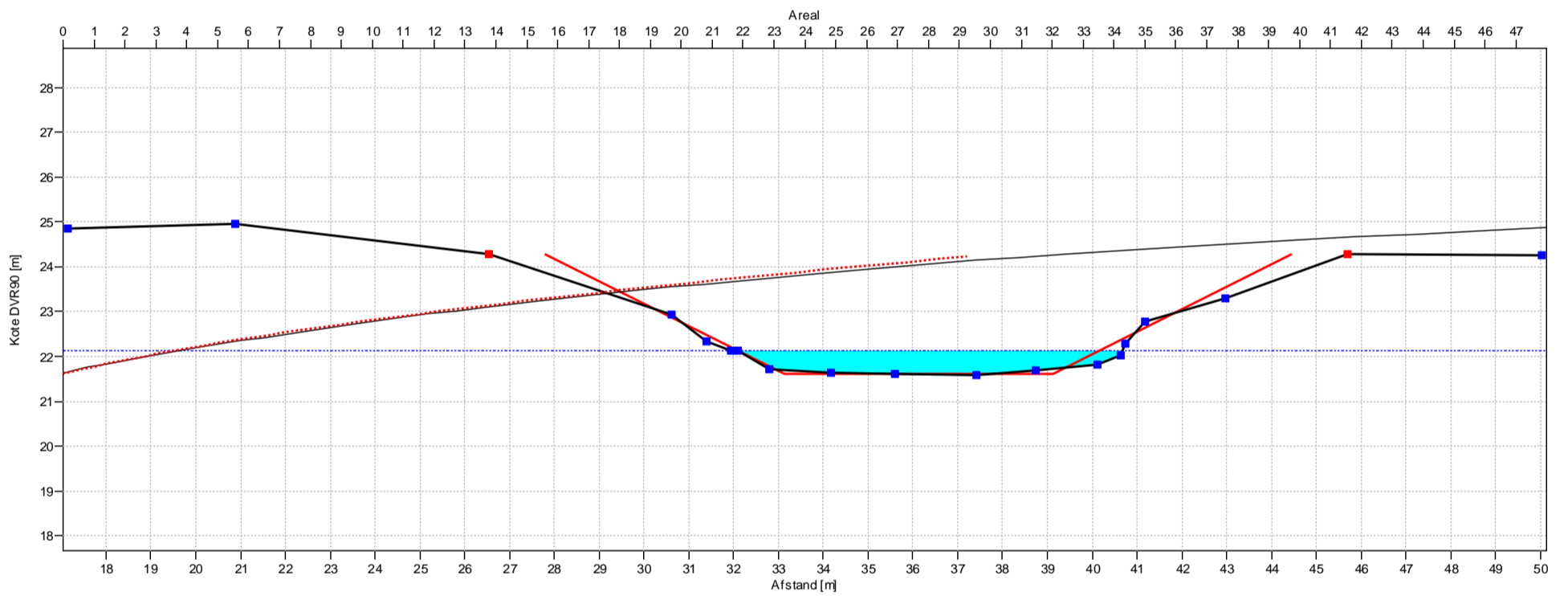


8

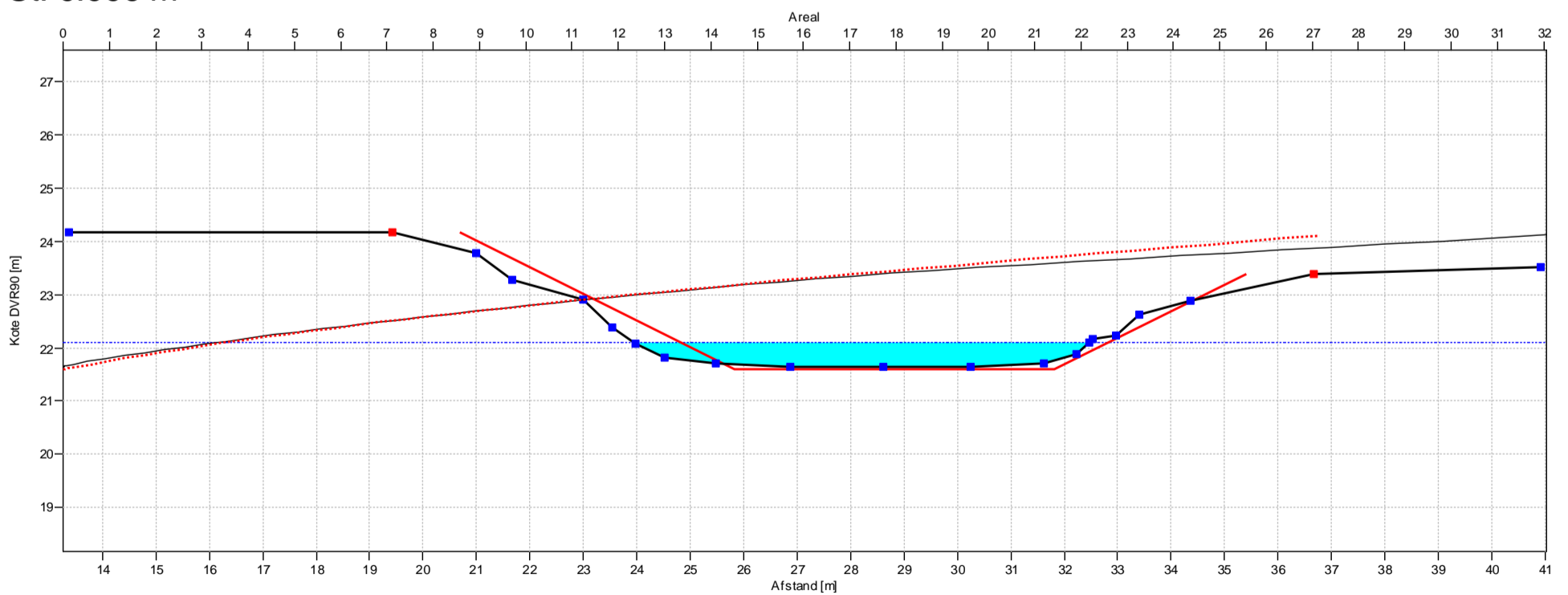
St. 9.588 m



St. 9.798 m

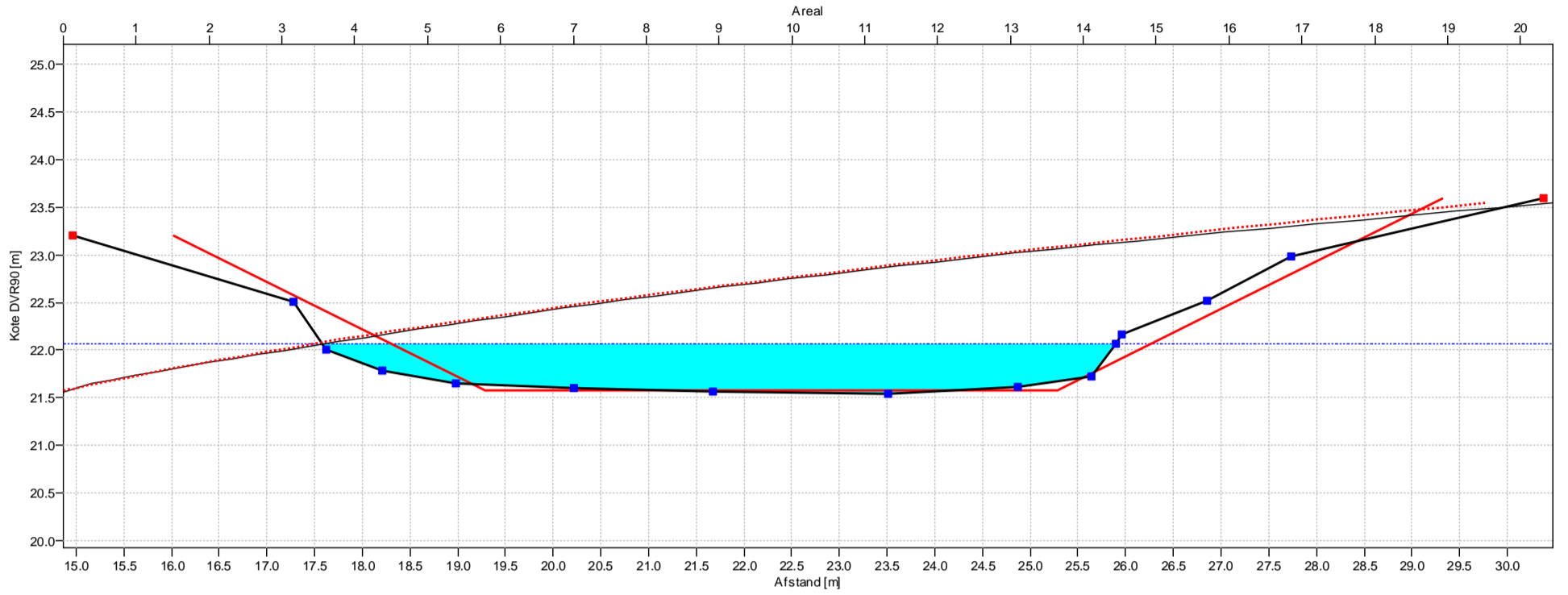


St. 9.996 m

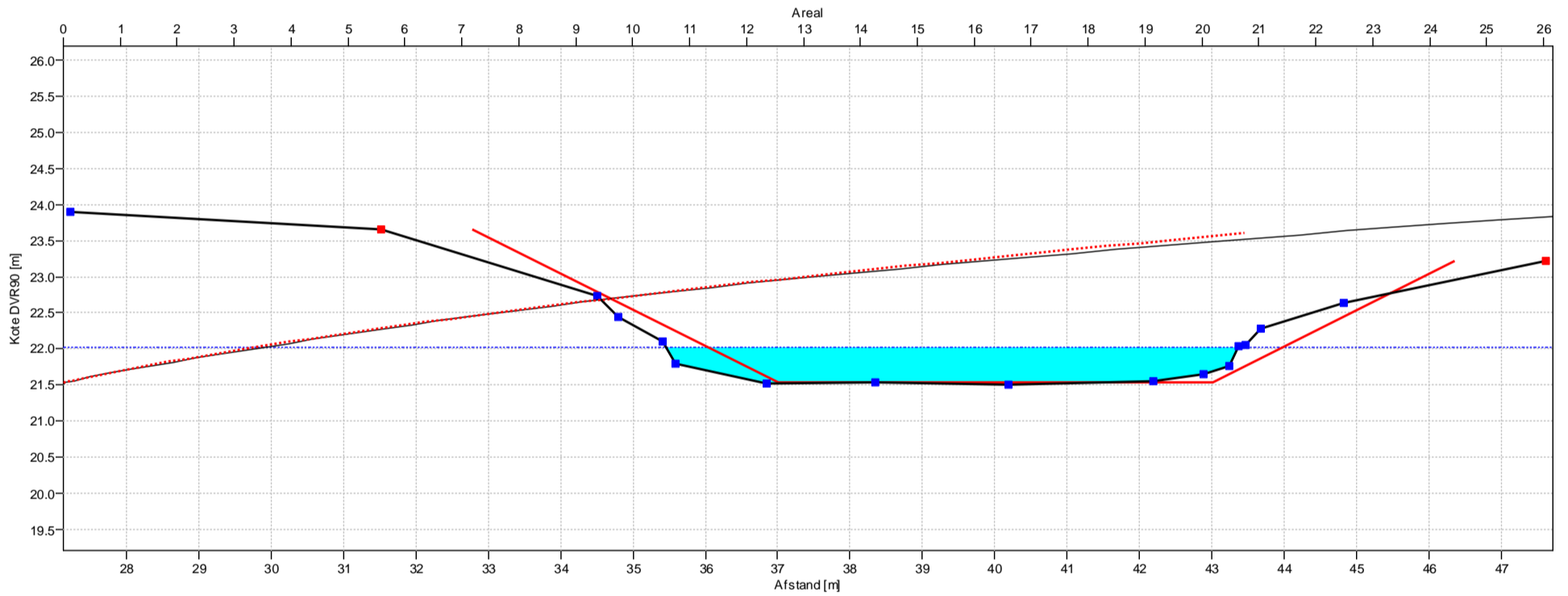


9

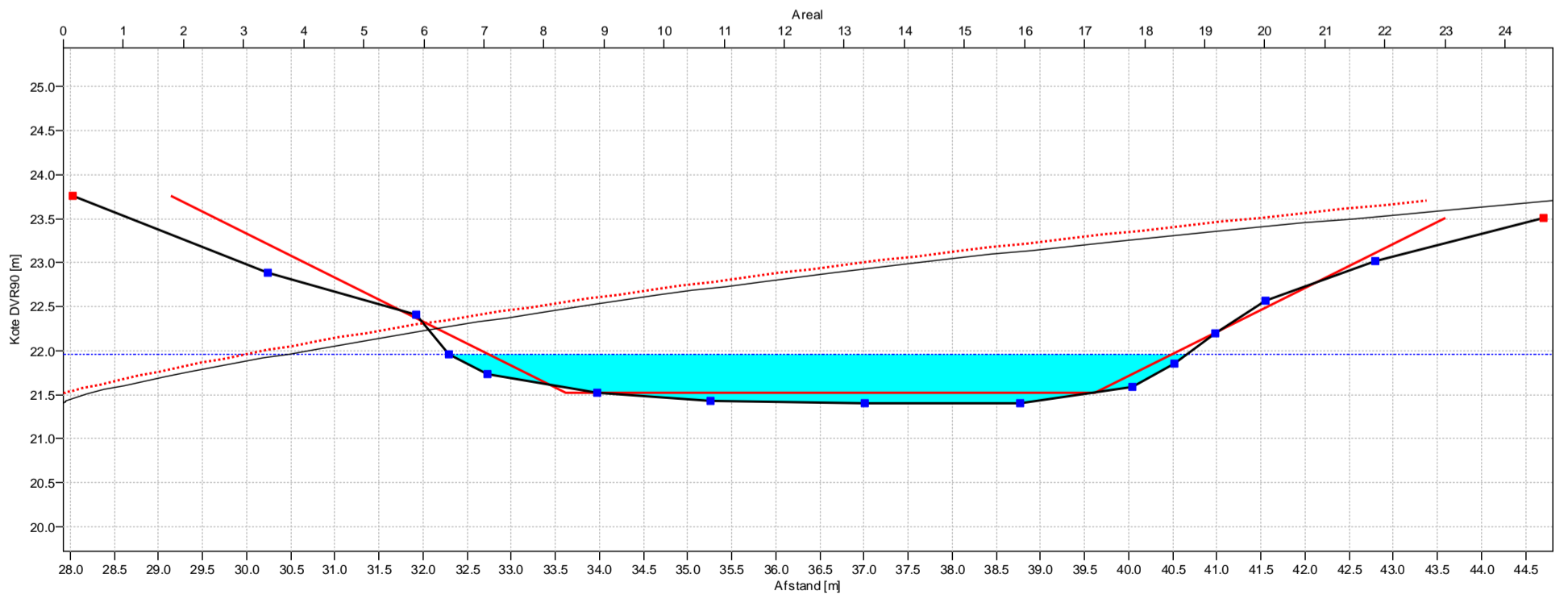
St. 10.134 m



St. 10.453 m

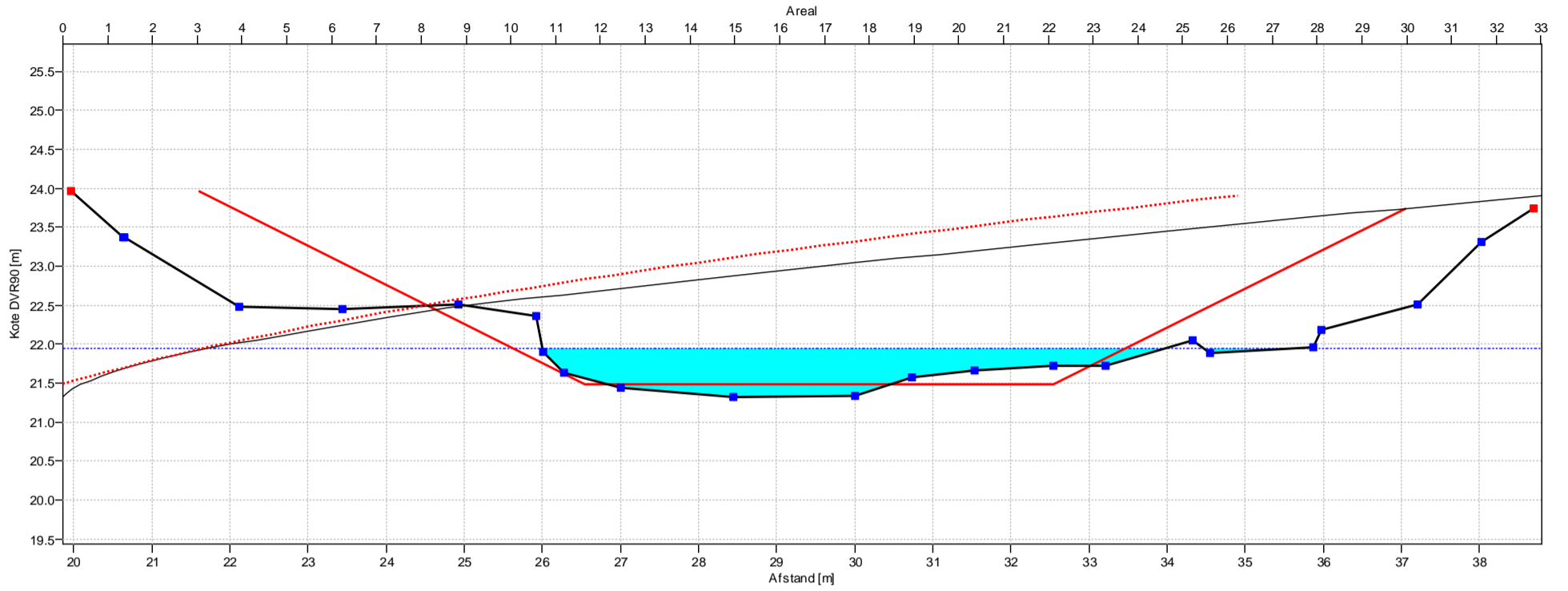


St. 10.634 m

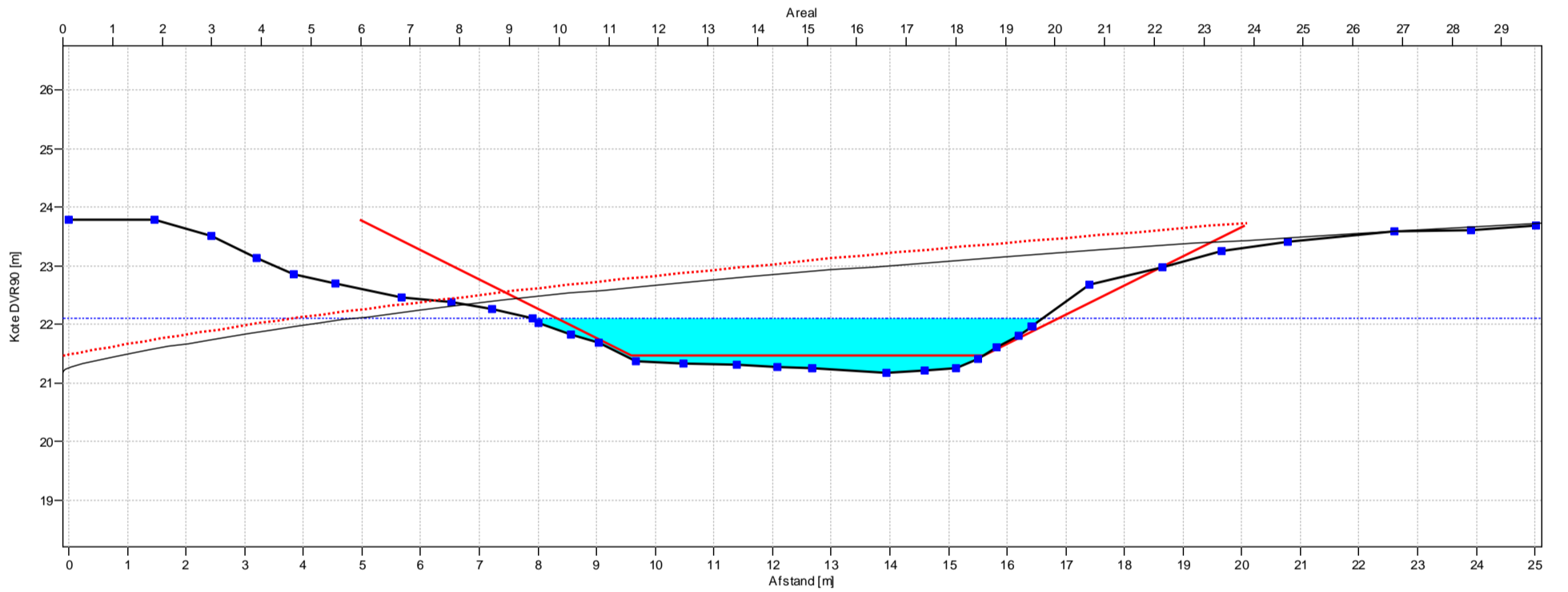


10

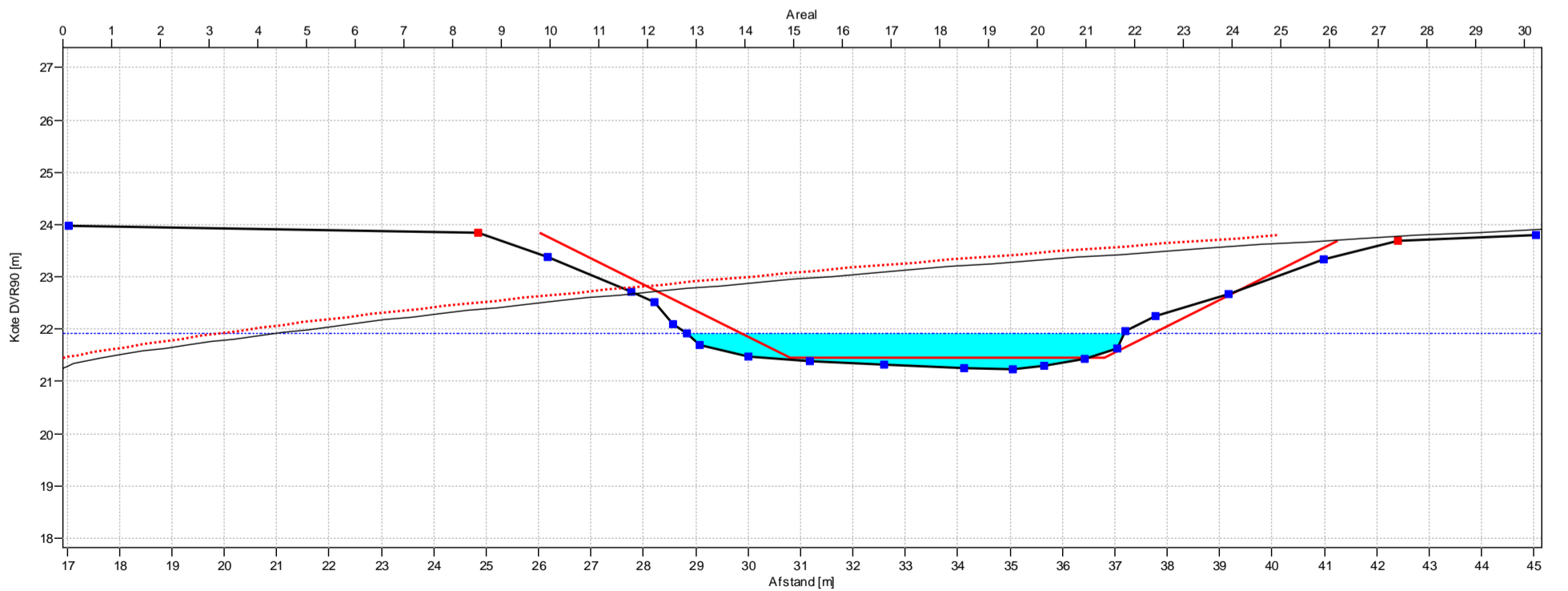
St. 10,877 m



St. 11.105 m

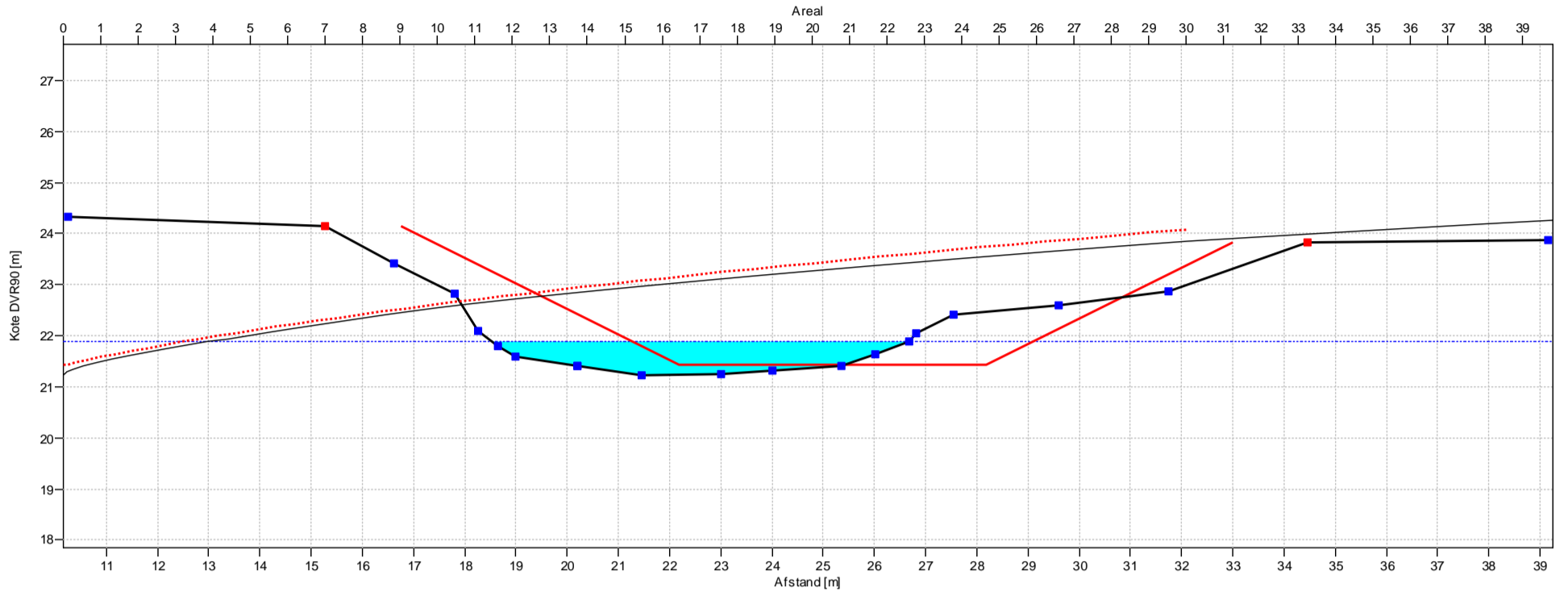


St. 11.185 m

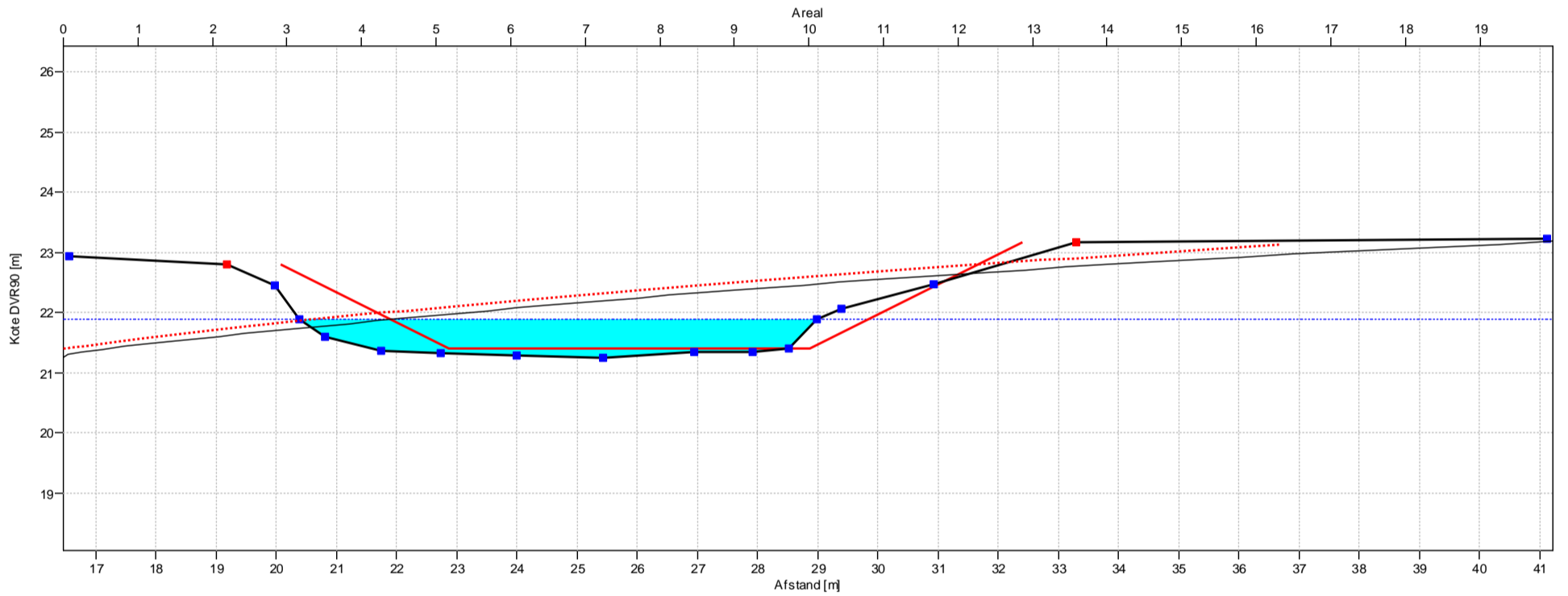


11

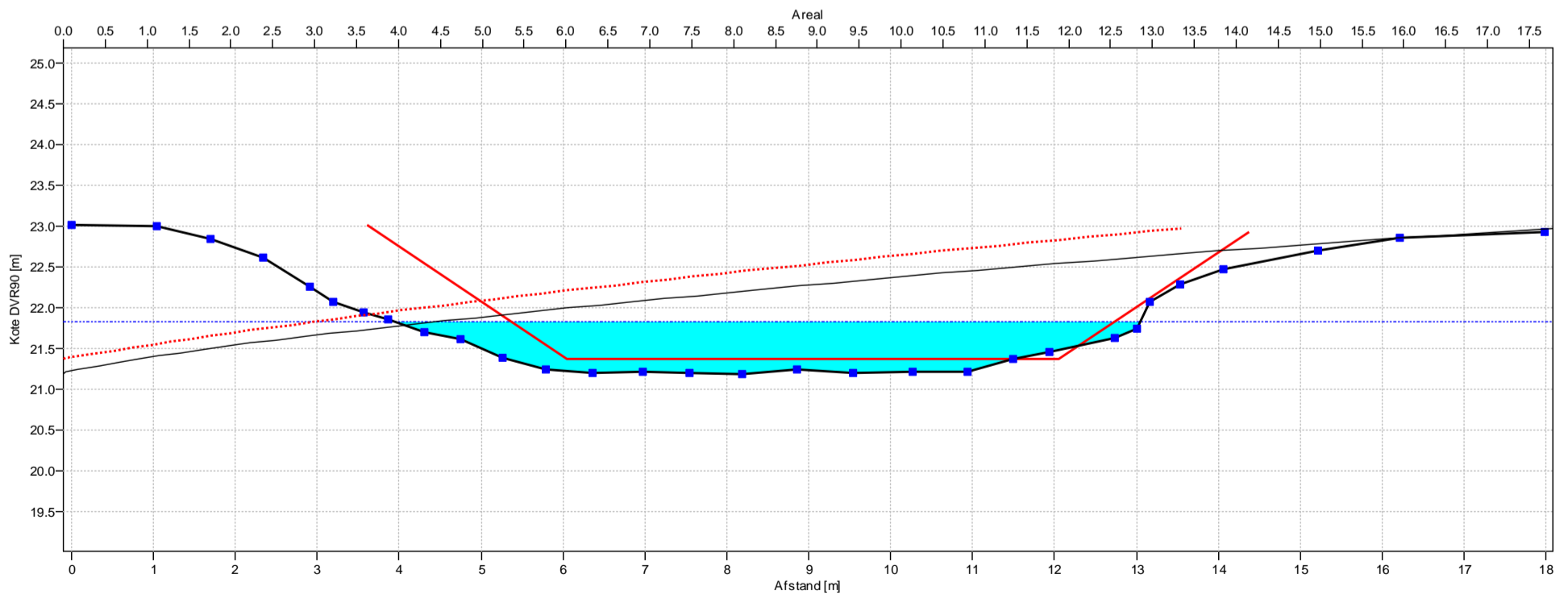
St. 11.456 m



St. 11.632 m

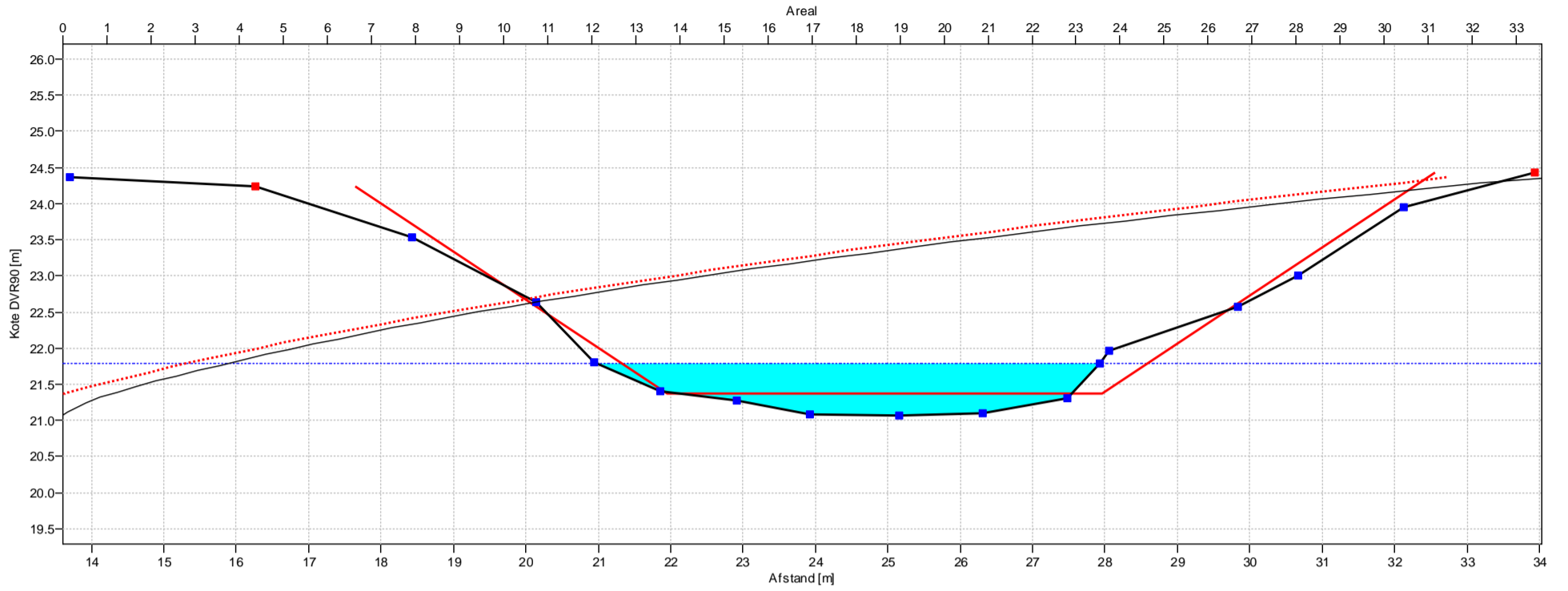


St. 11.806 m

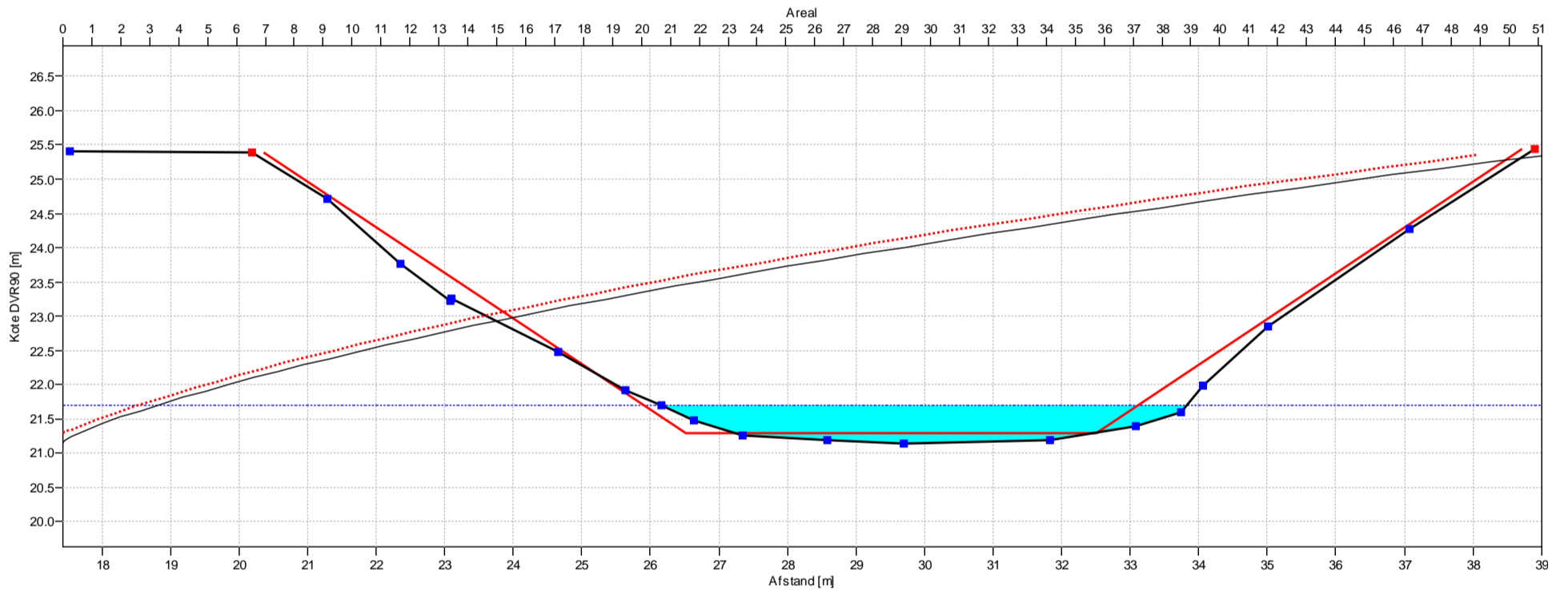


12

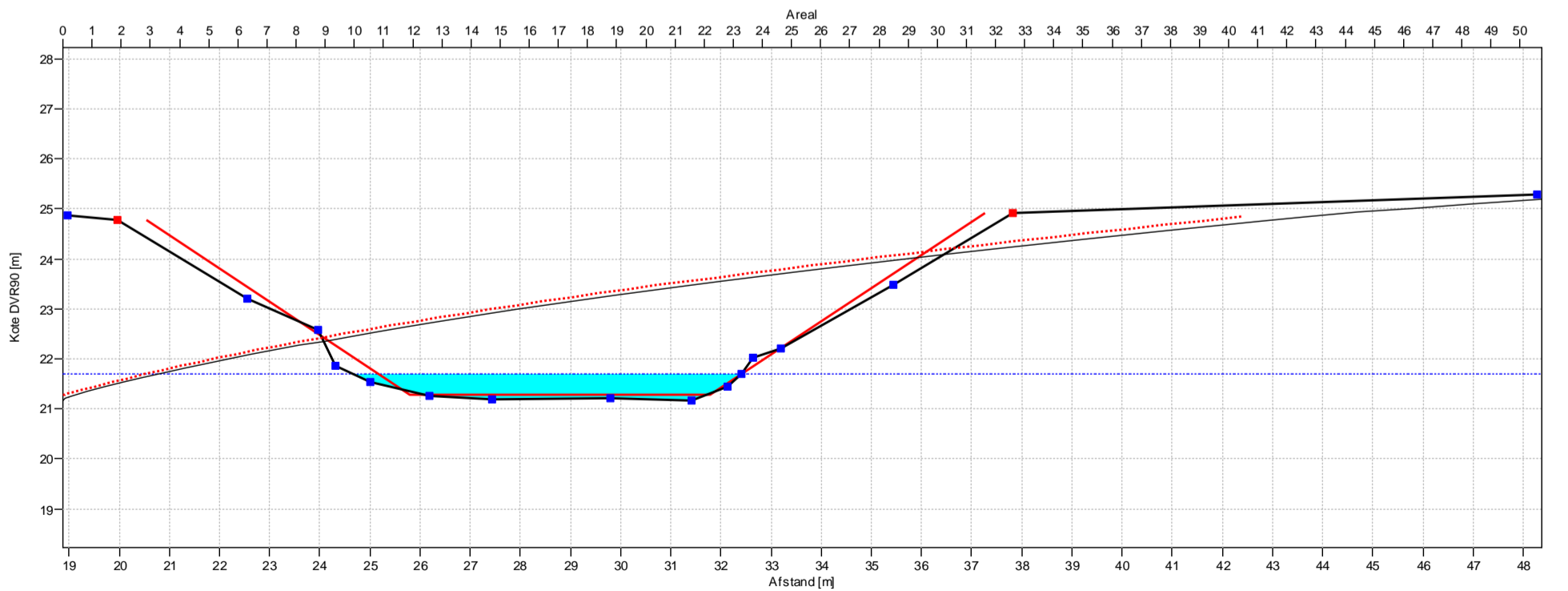
St. 11.936 m



St. 12.469 m

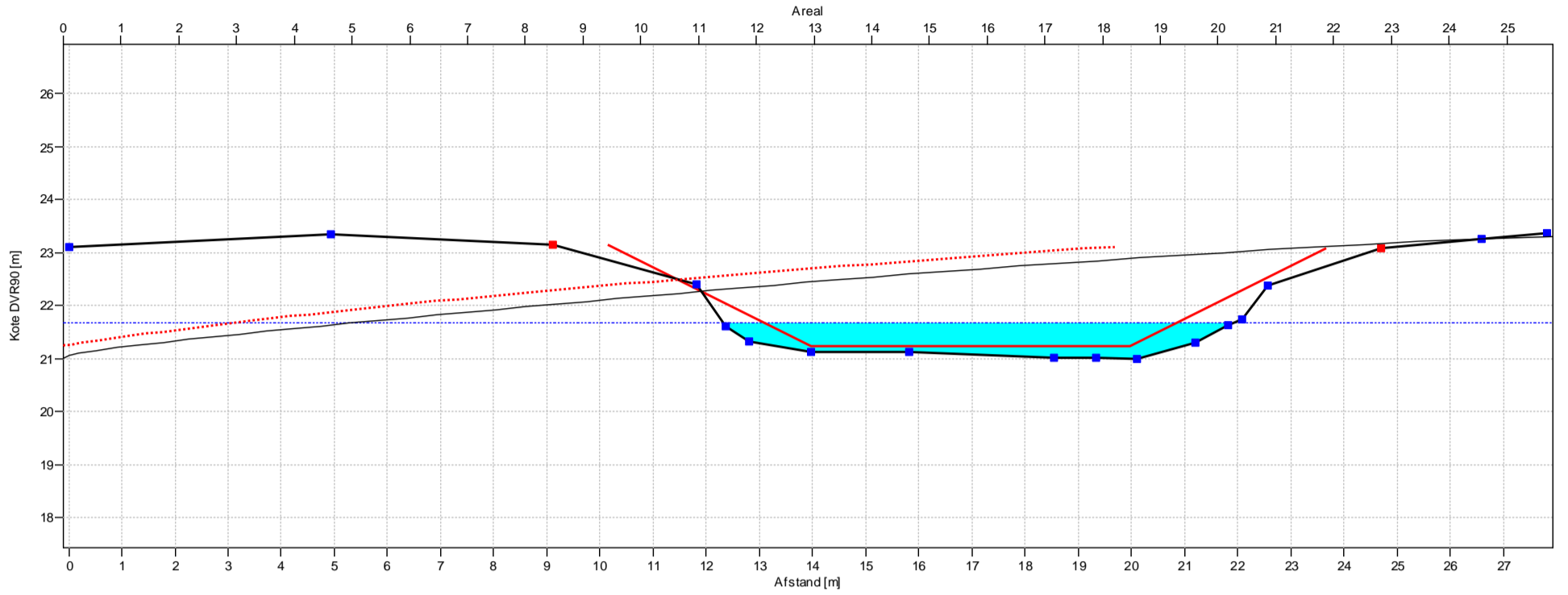


St. 12.670 m

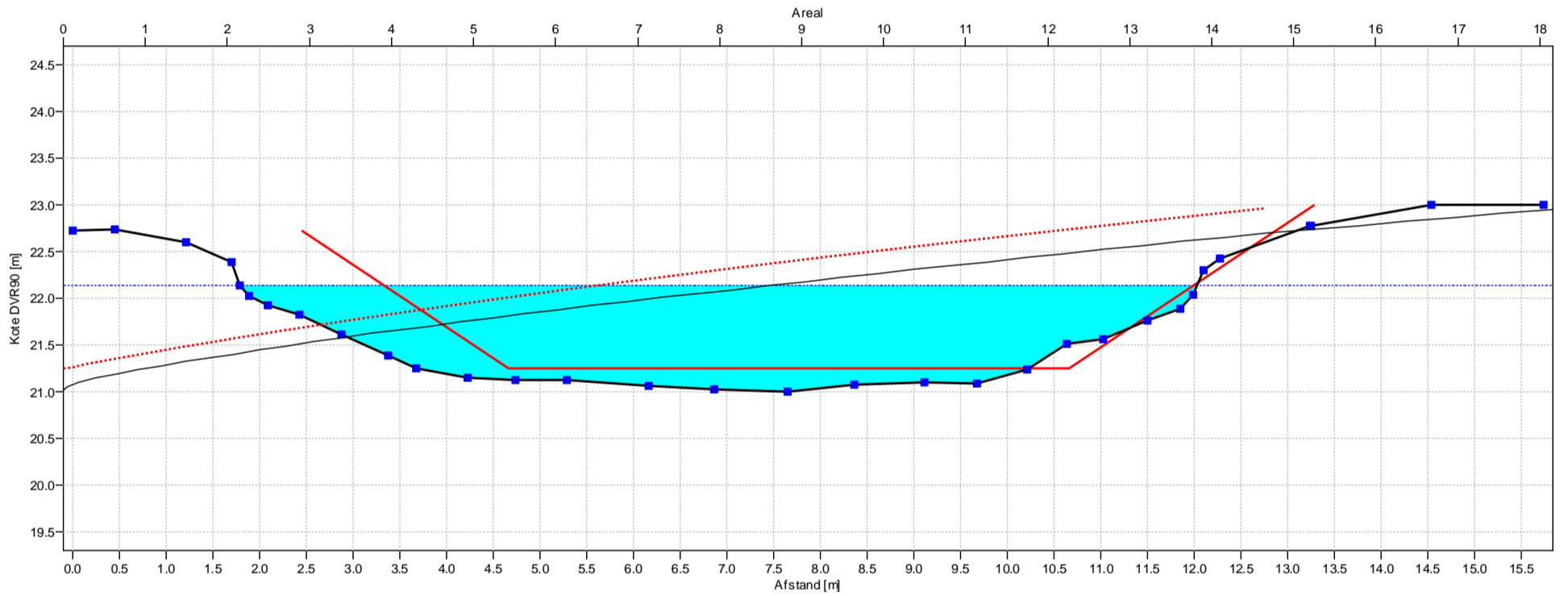


13

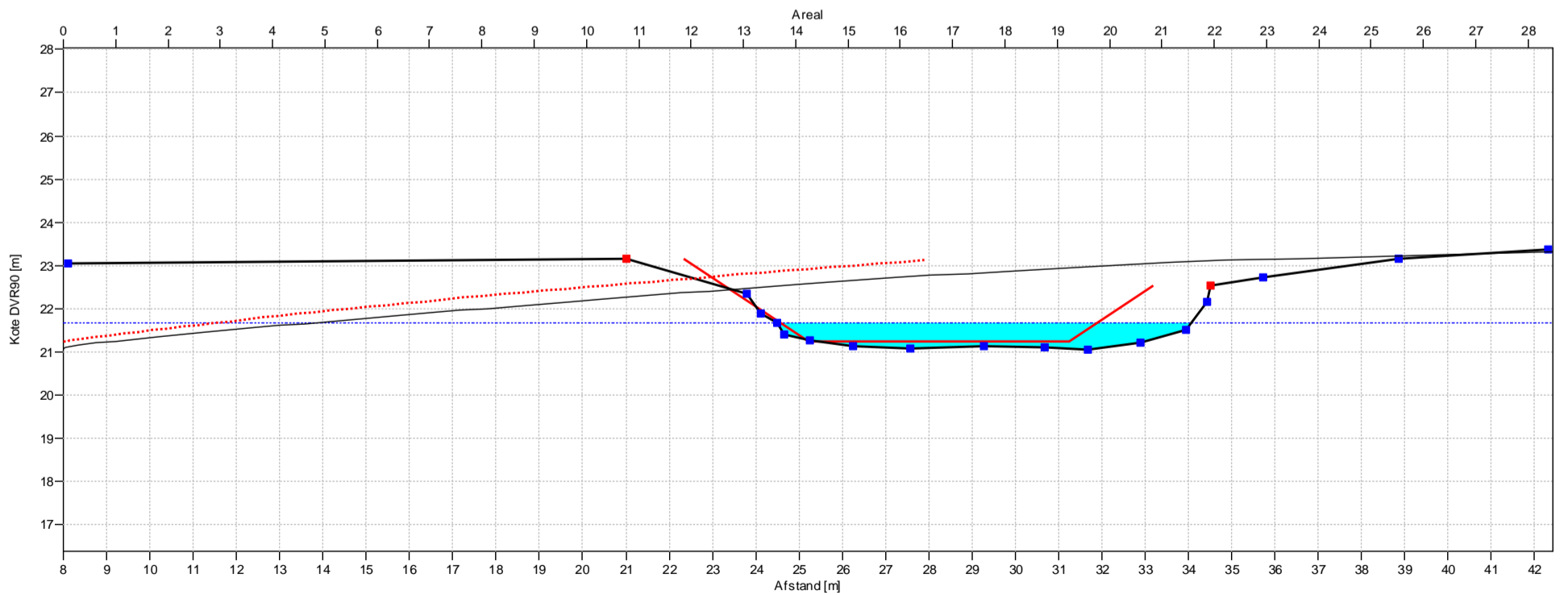
St. 12.910 m



St. 12.952 m

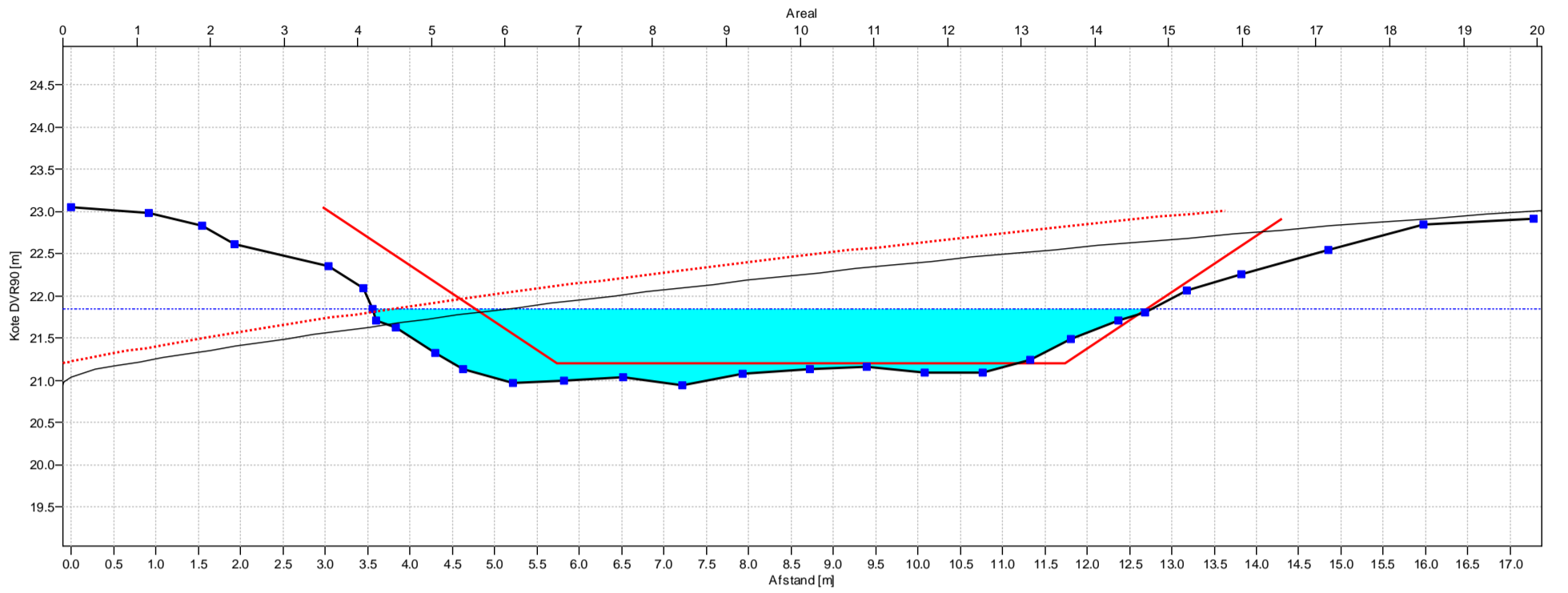


St. 13.020 m

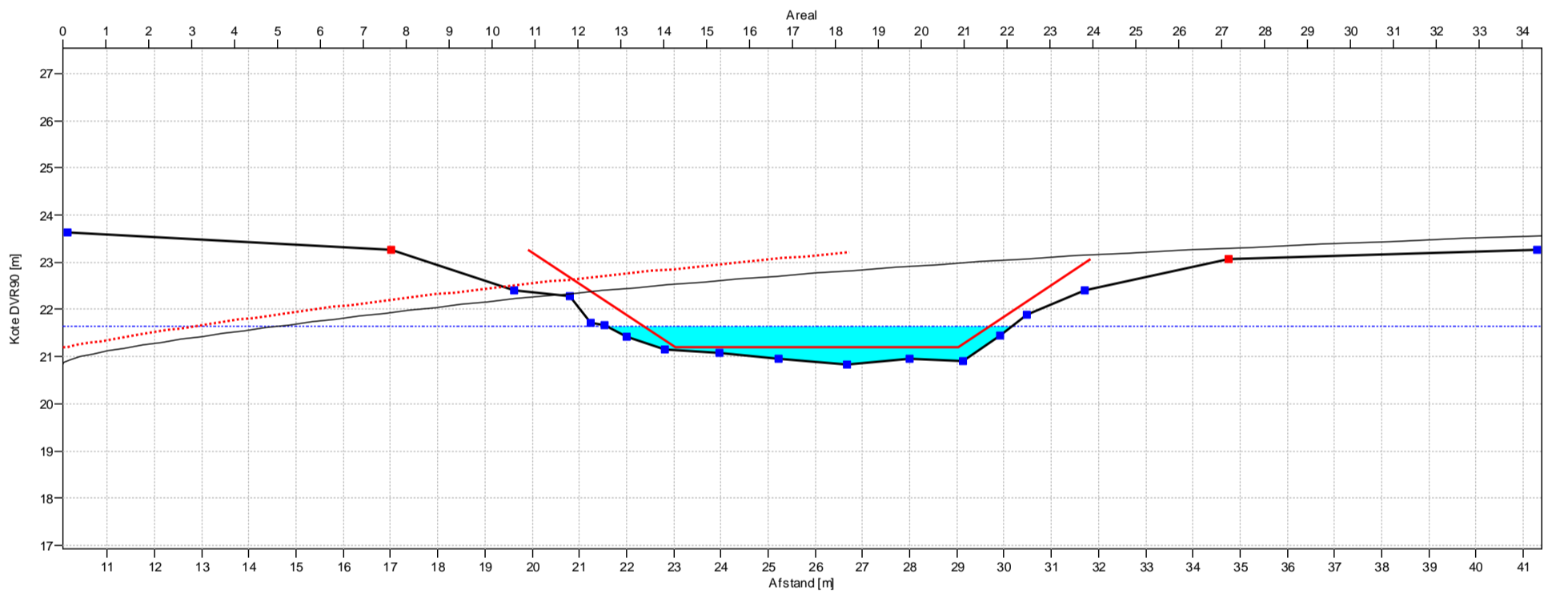


14

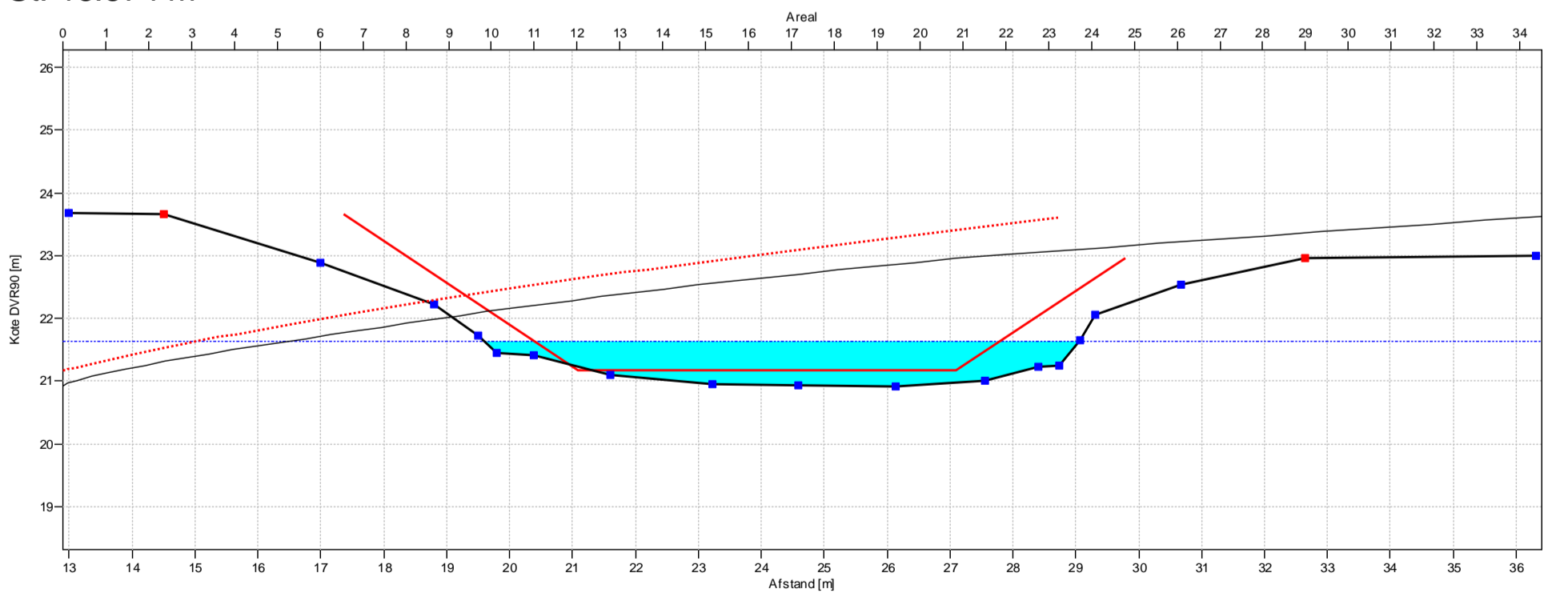
St. 13.123 m



St. 13.387 m

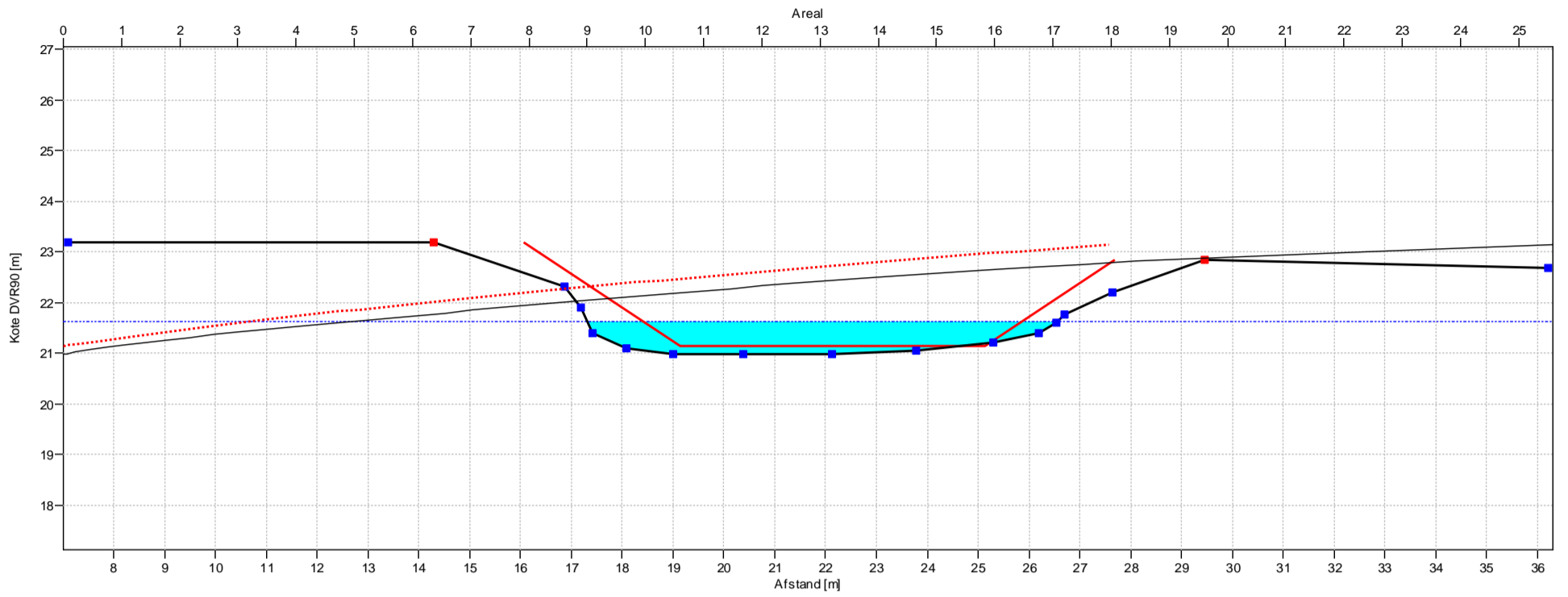


St. 13.574 m

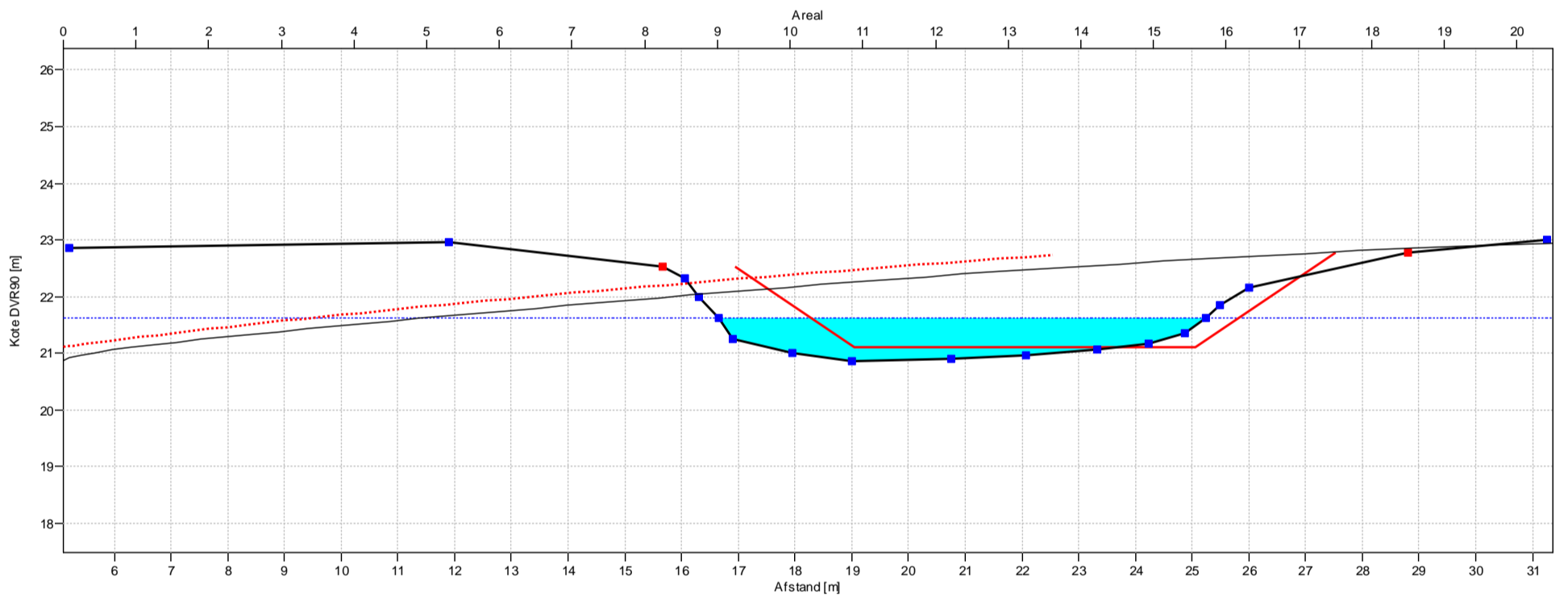


15

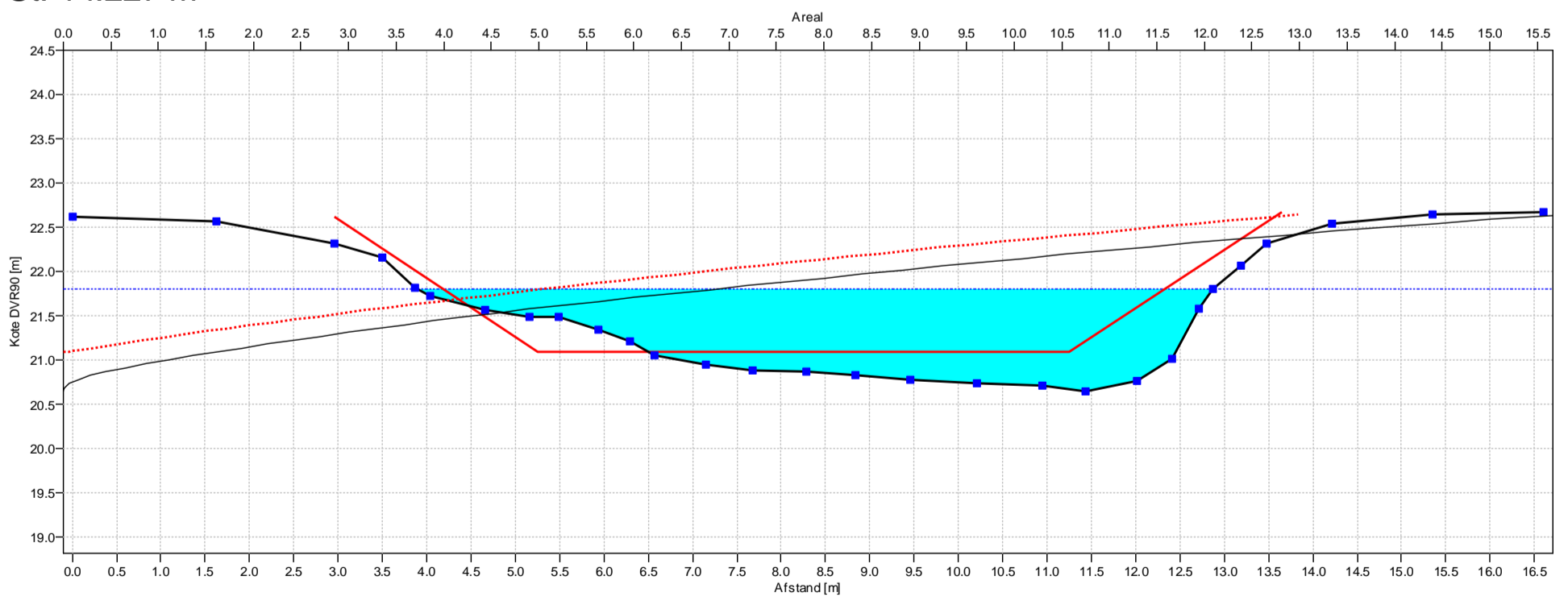
St. 13.725 m



St. 13.975 m

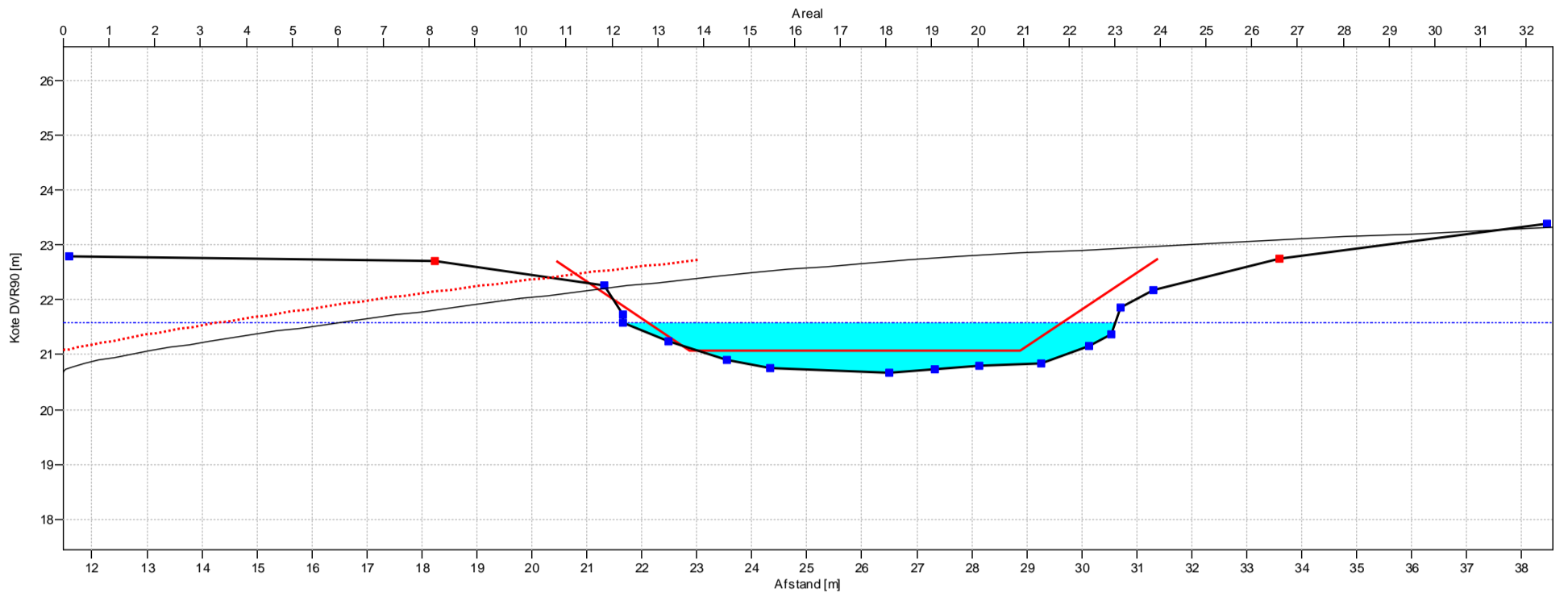


St. 14.227 m

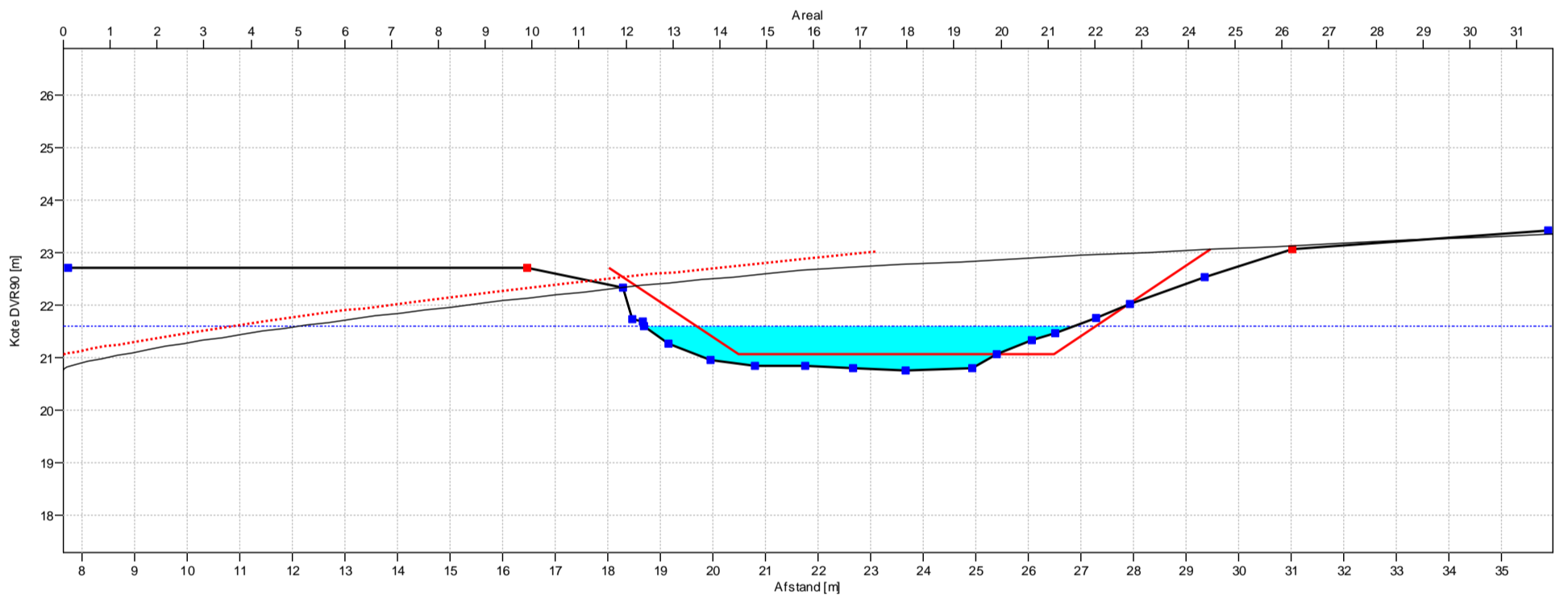


16

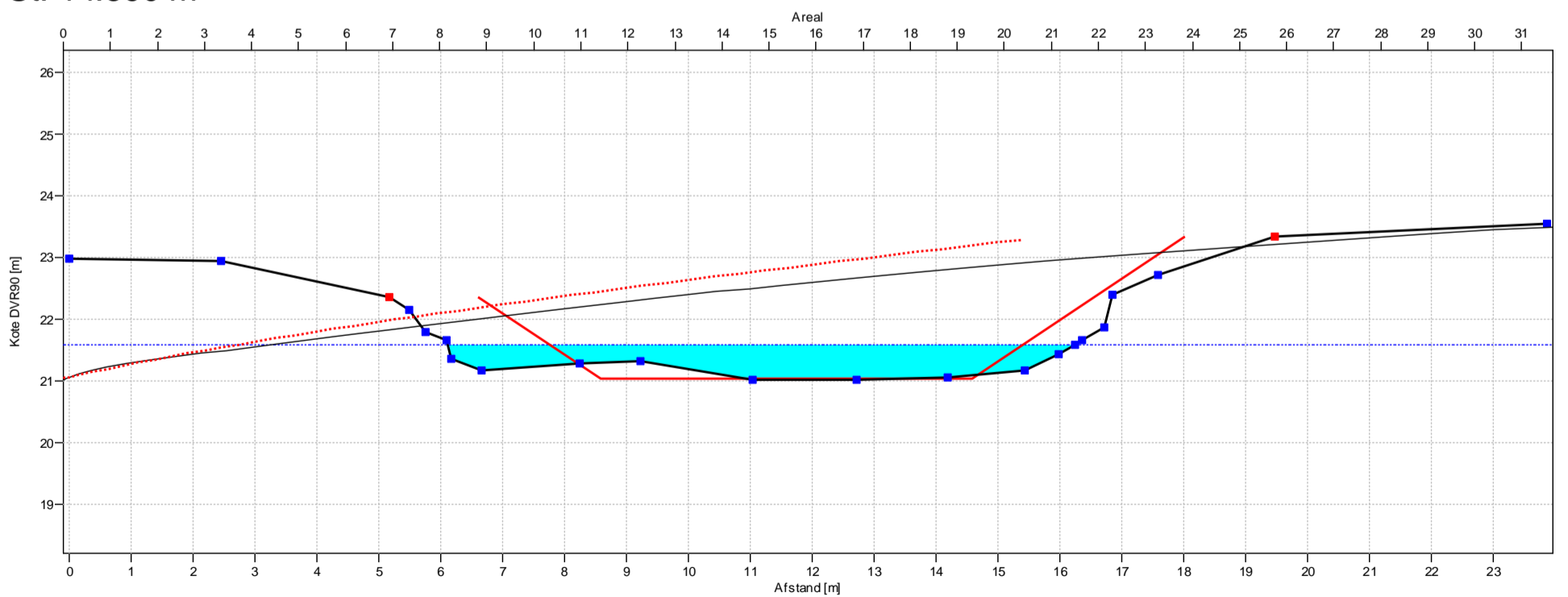
St. 14.269 m



St. 14.458 m

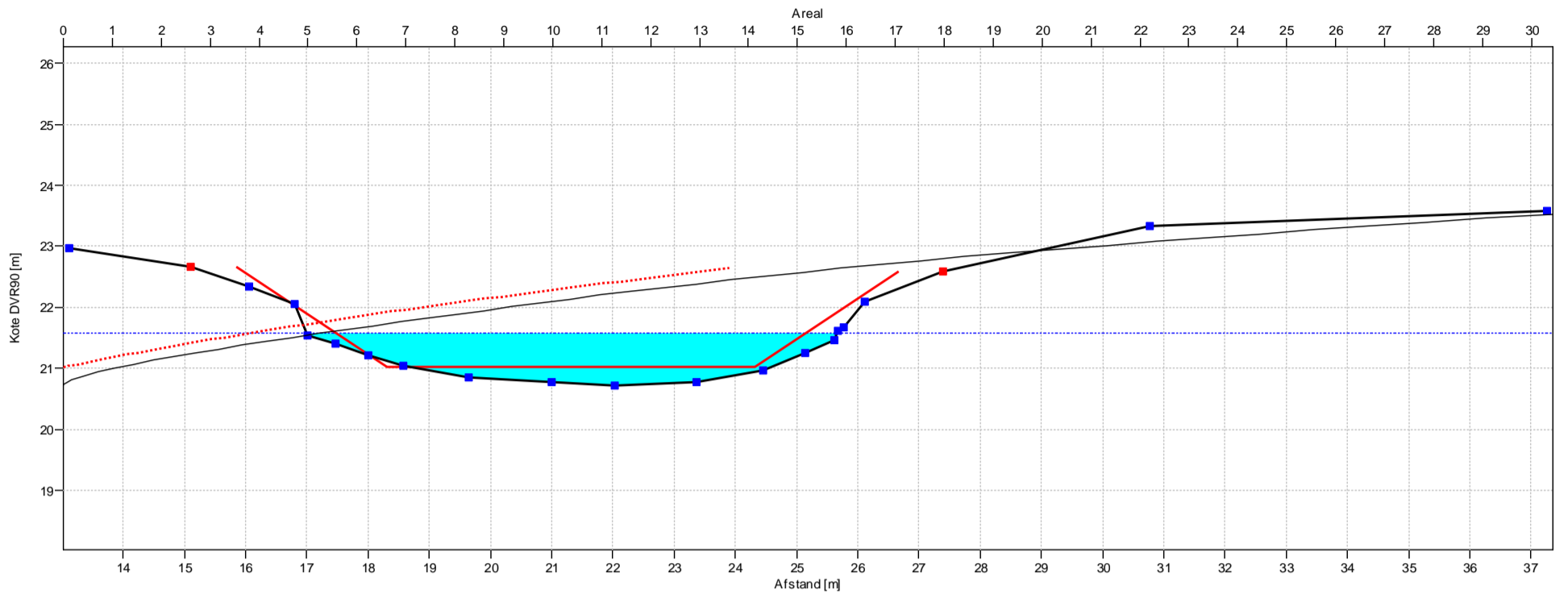


St. 14.590 m

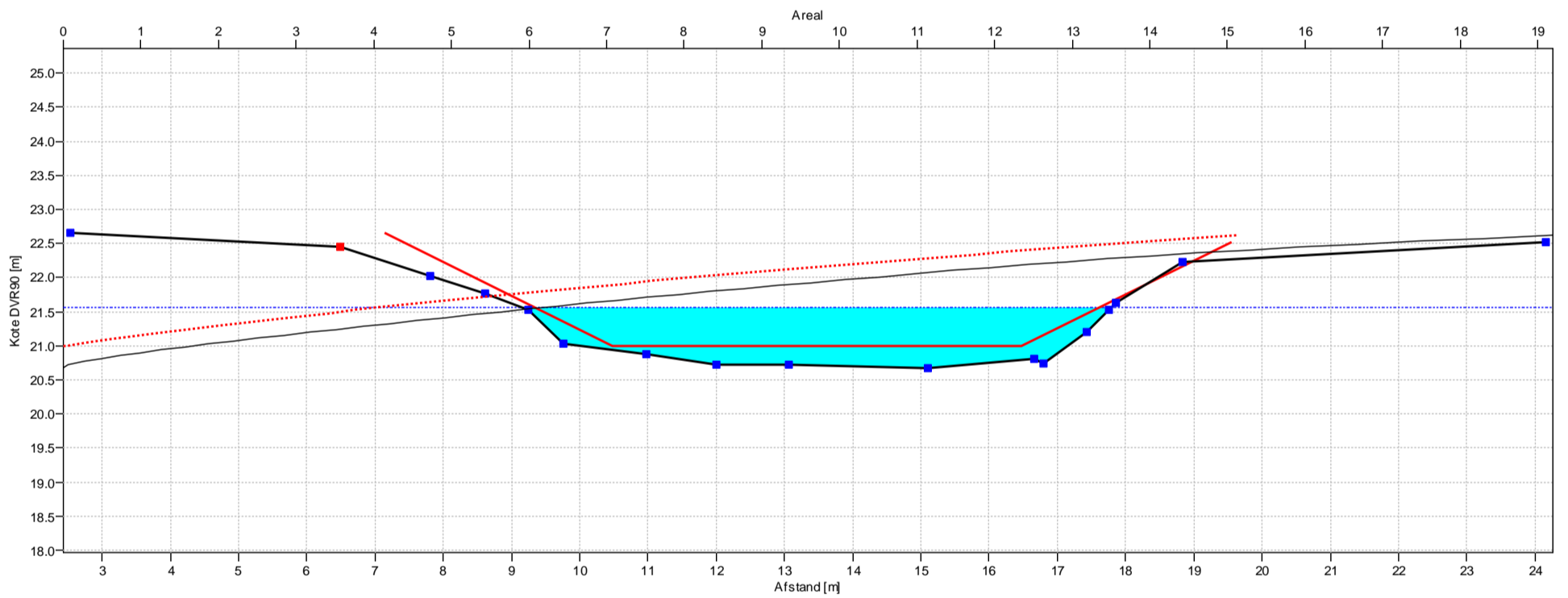


17

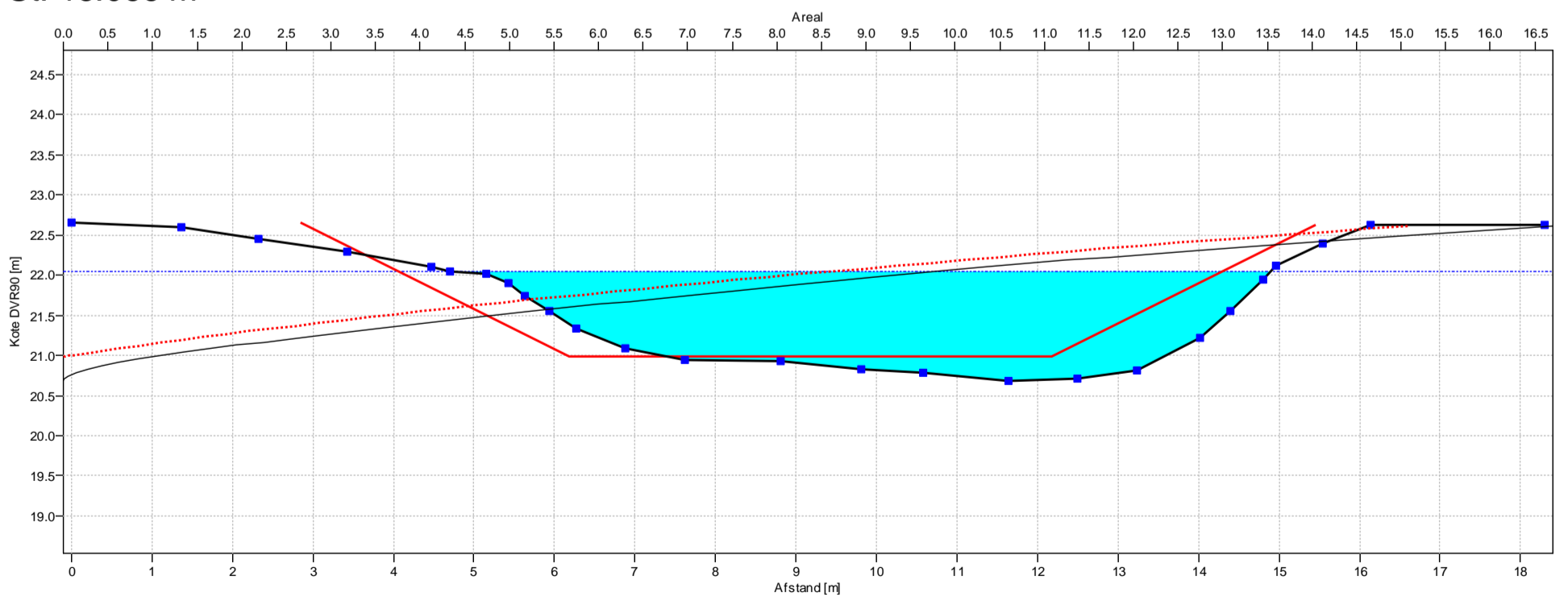
St. 14.792 m



St. 15.034 m

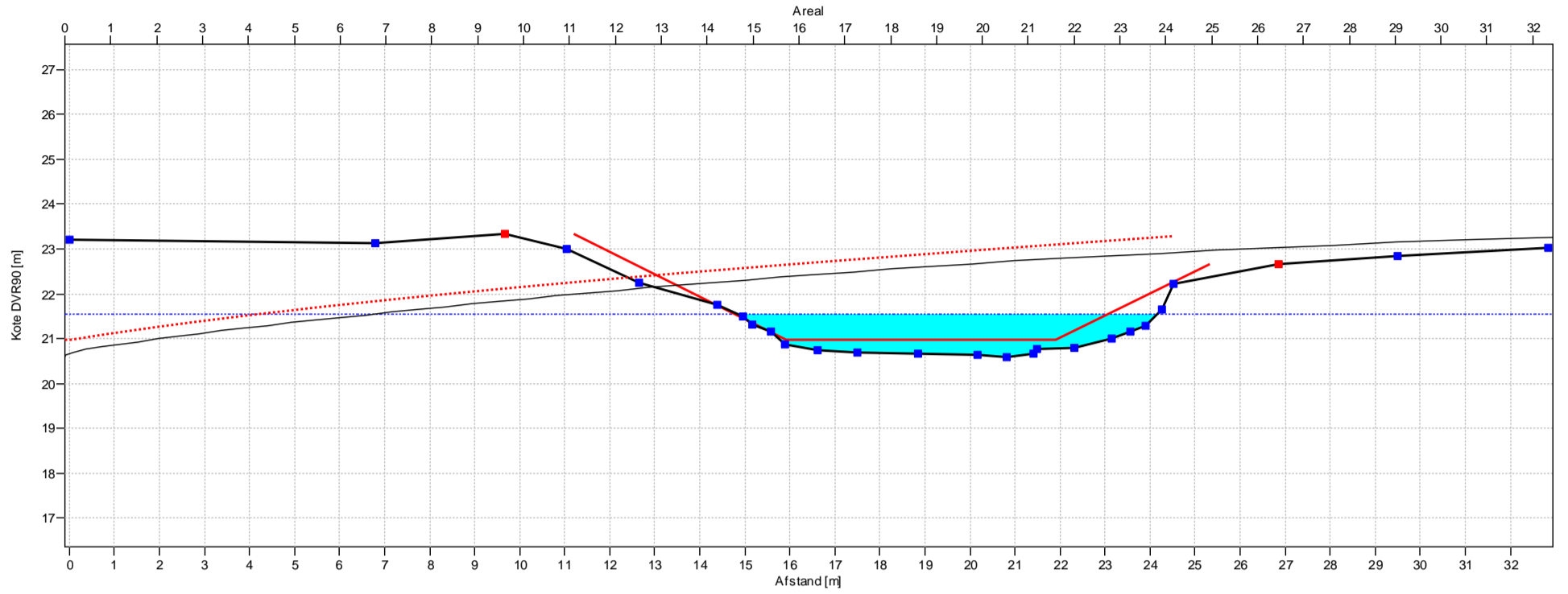


St. 15.066 m

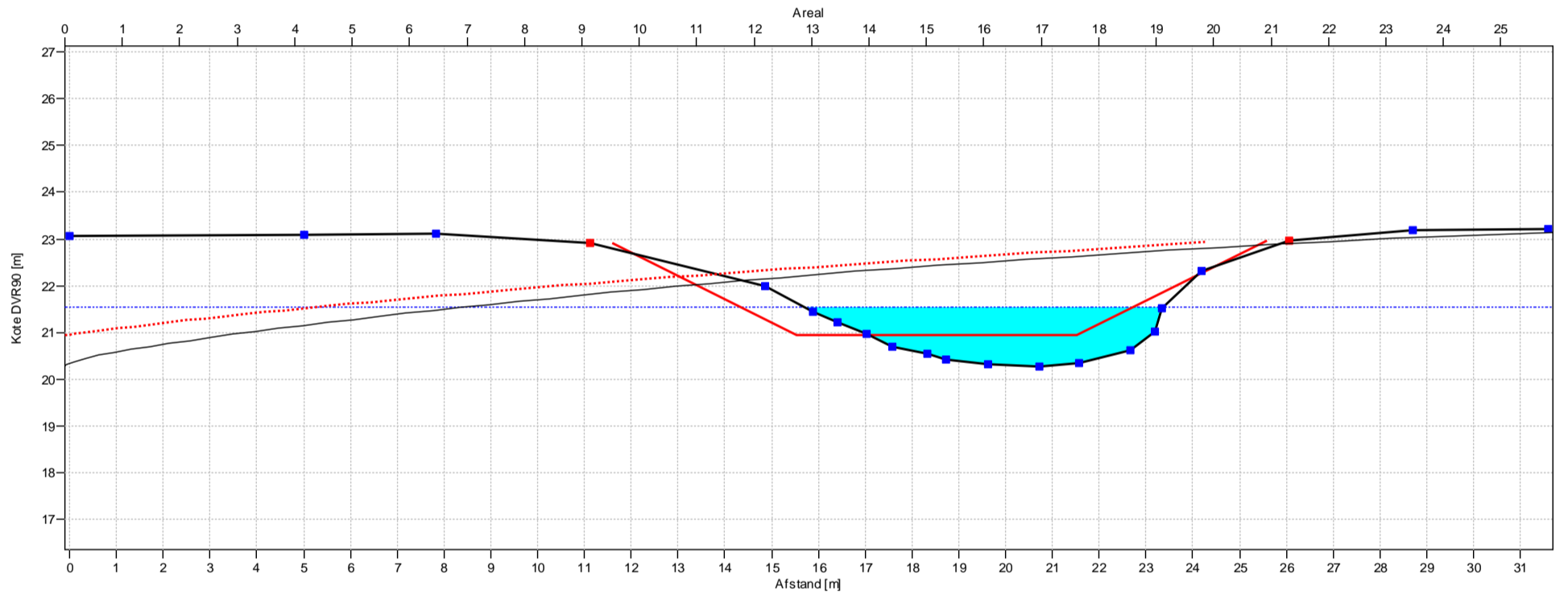


18

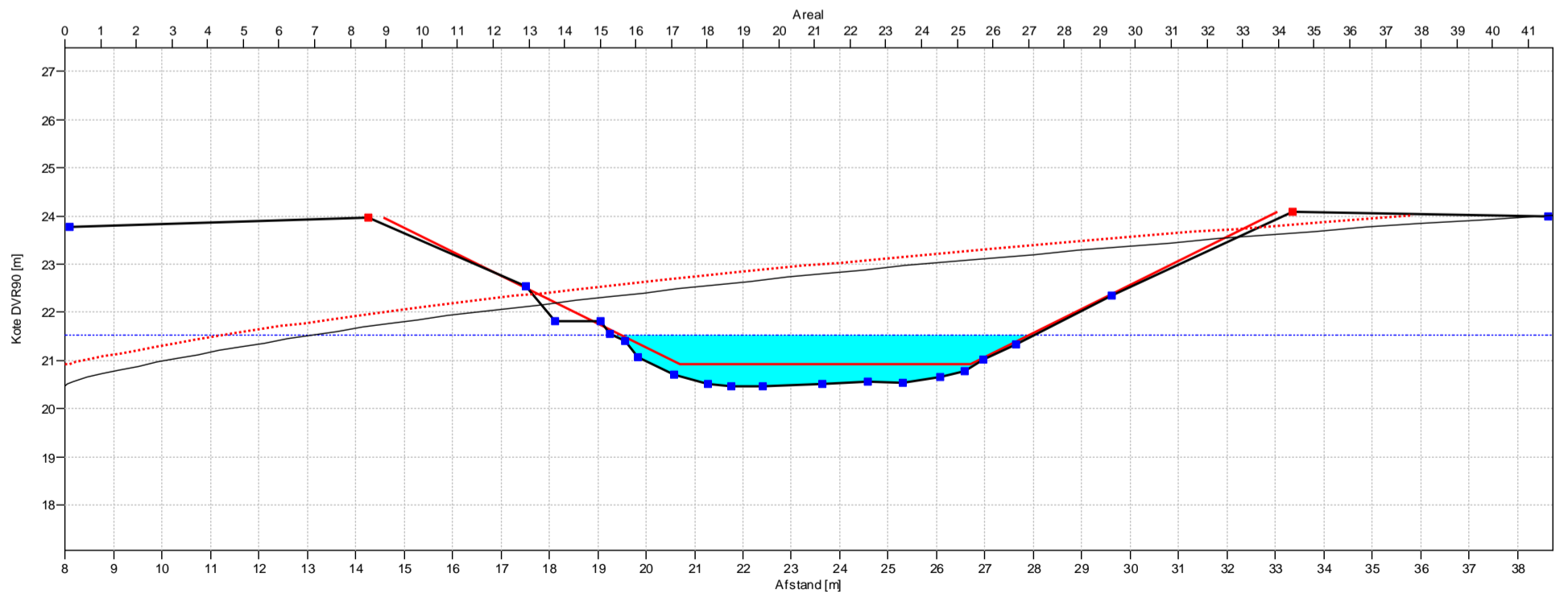
St. 15.253 m



St. 15.470 m

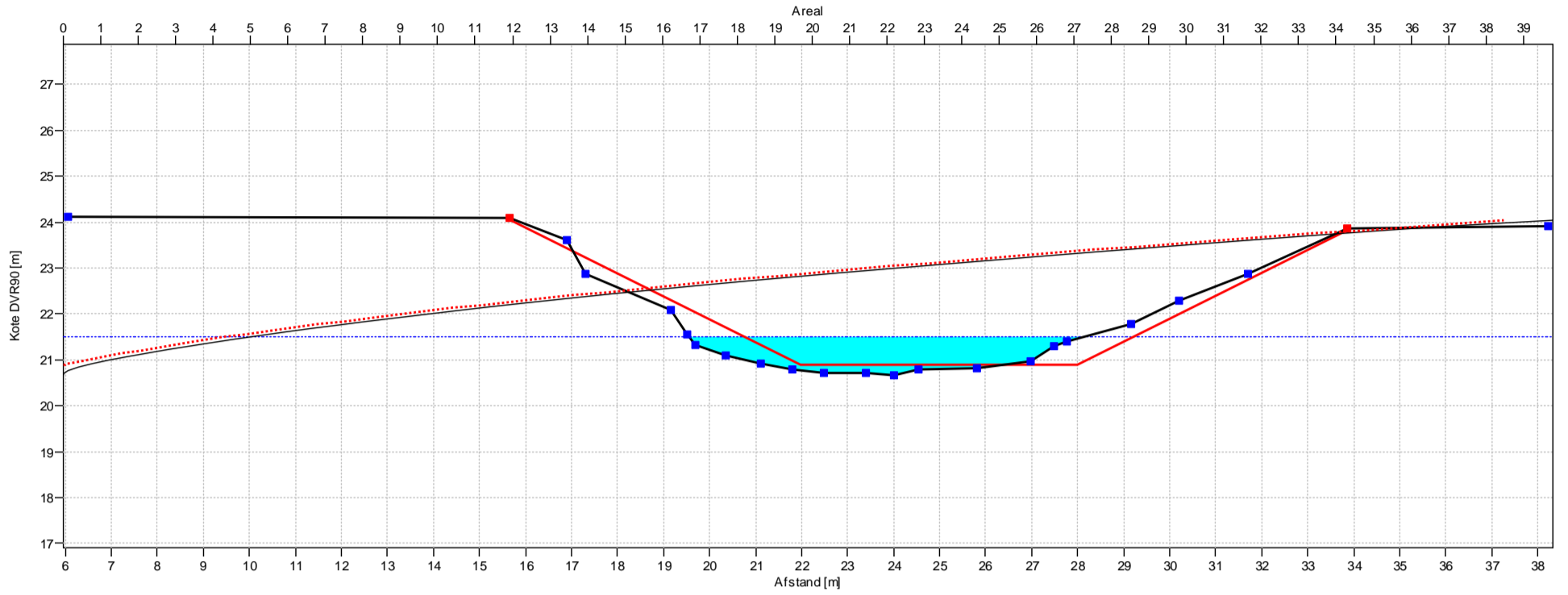


St. 15.655 m

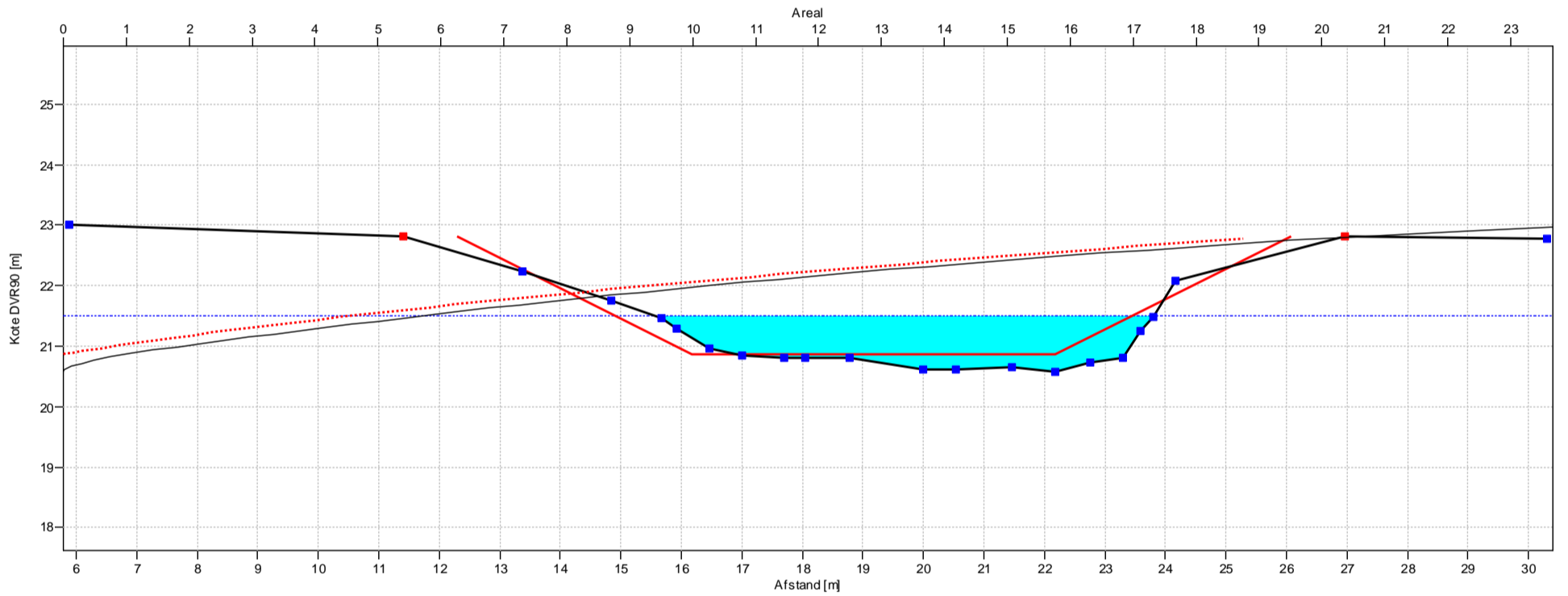


19

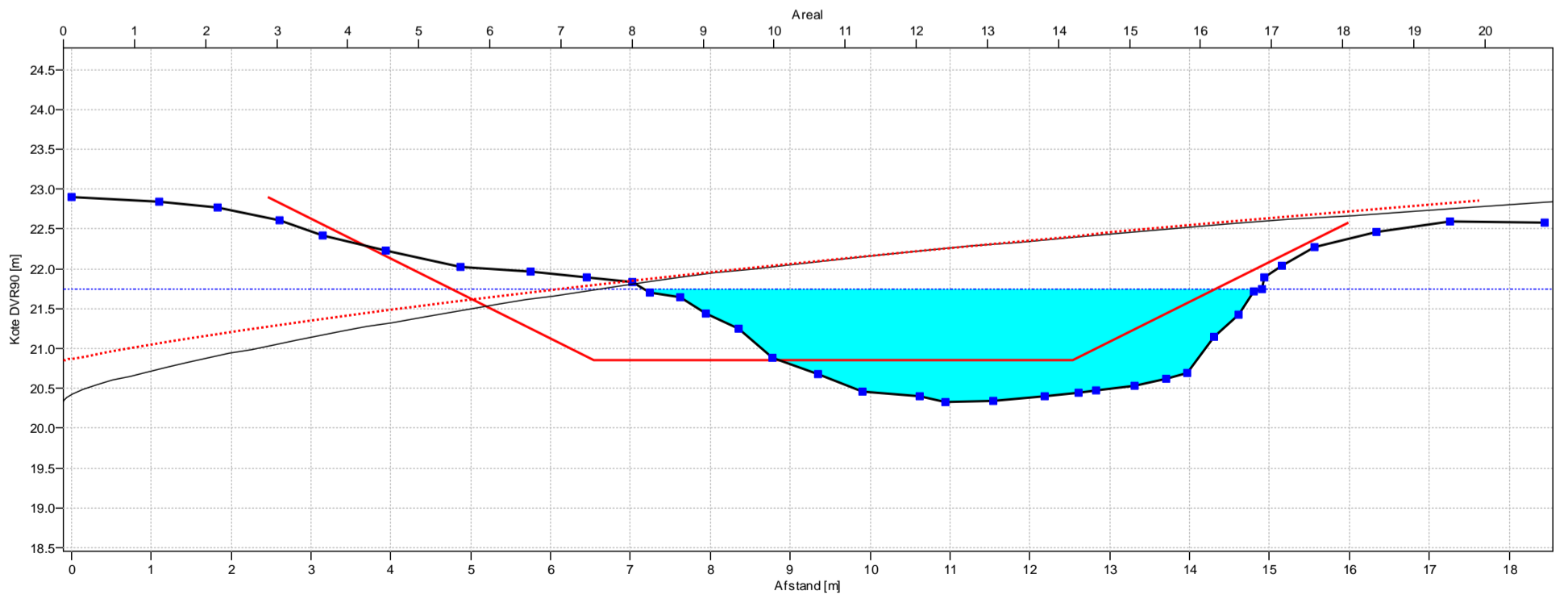
St. 15.817 m



St. 16.016 m

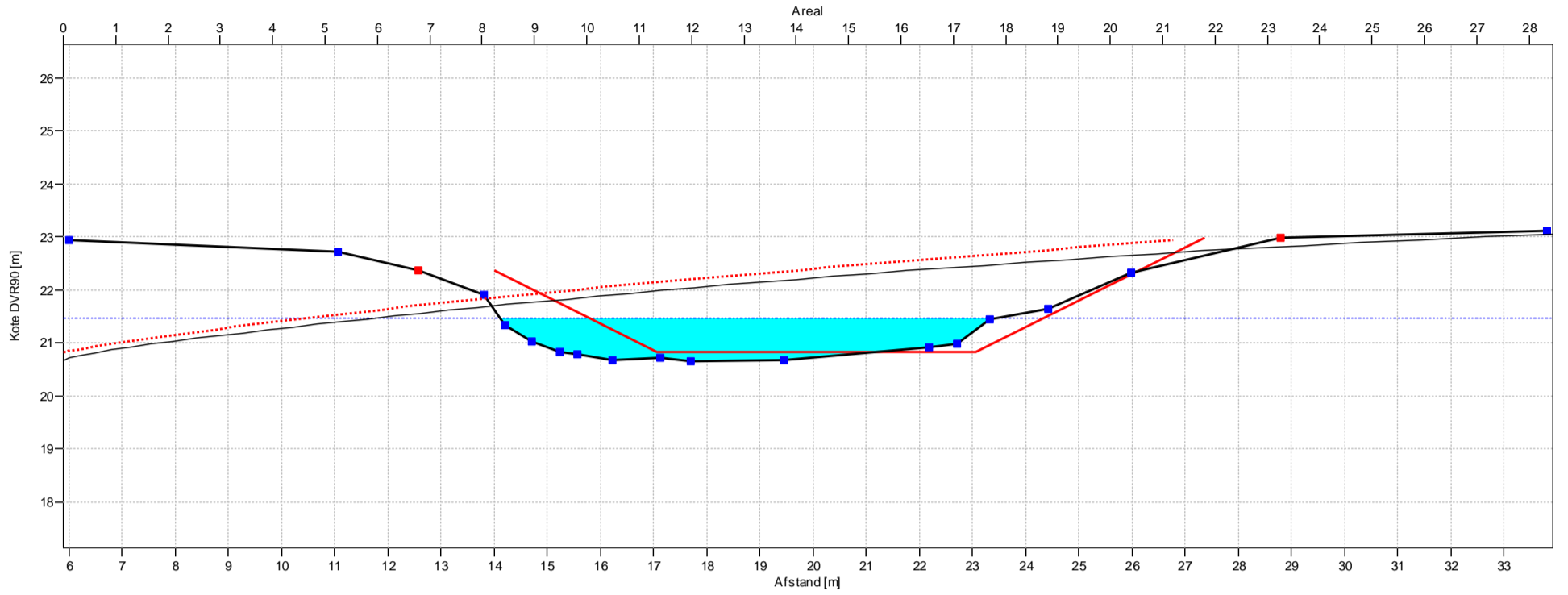


St. 16.164 m

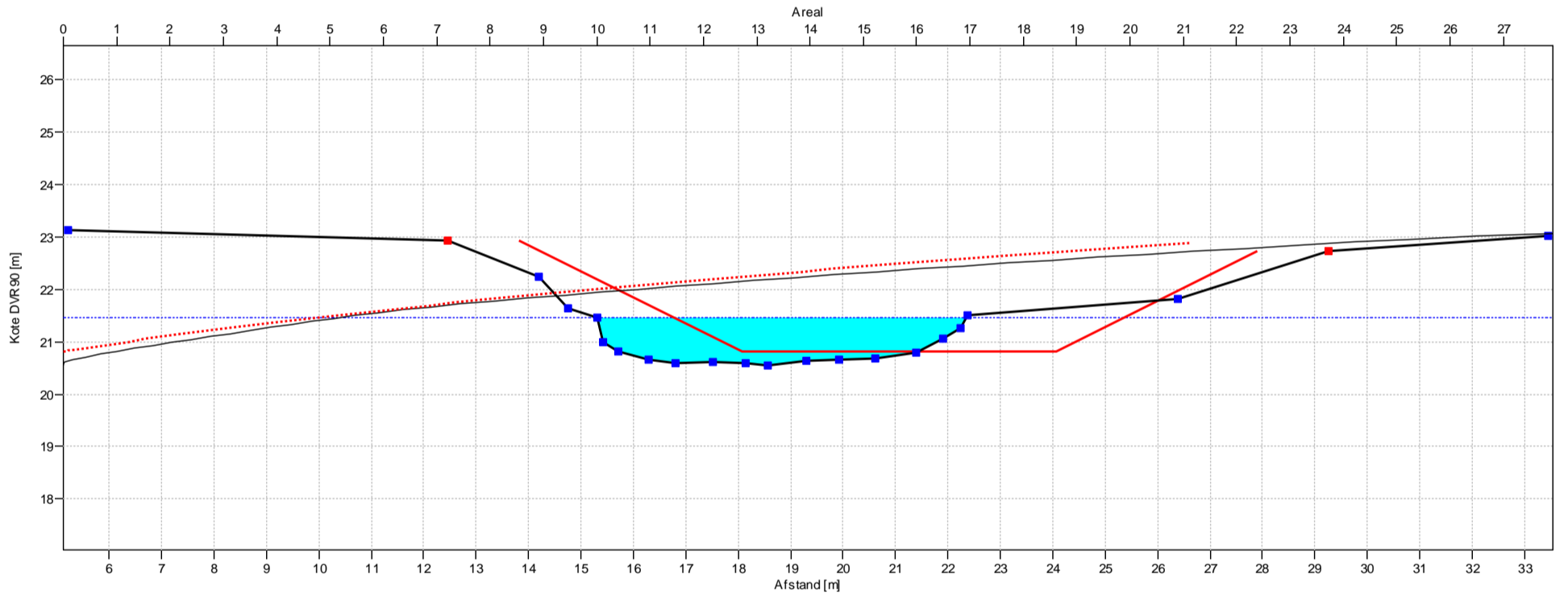


20

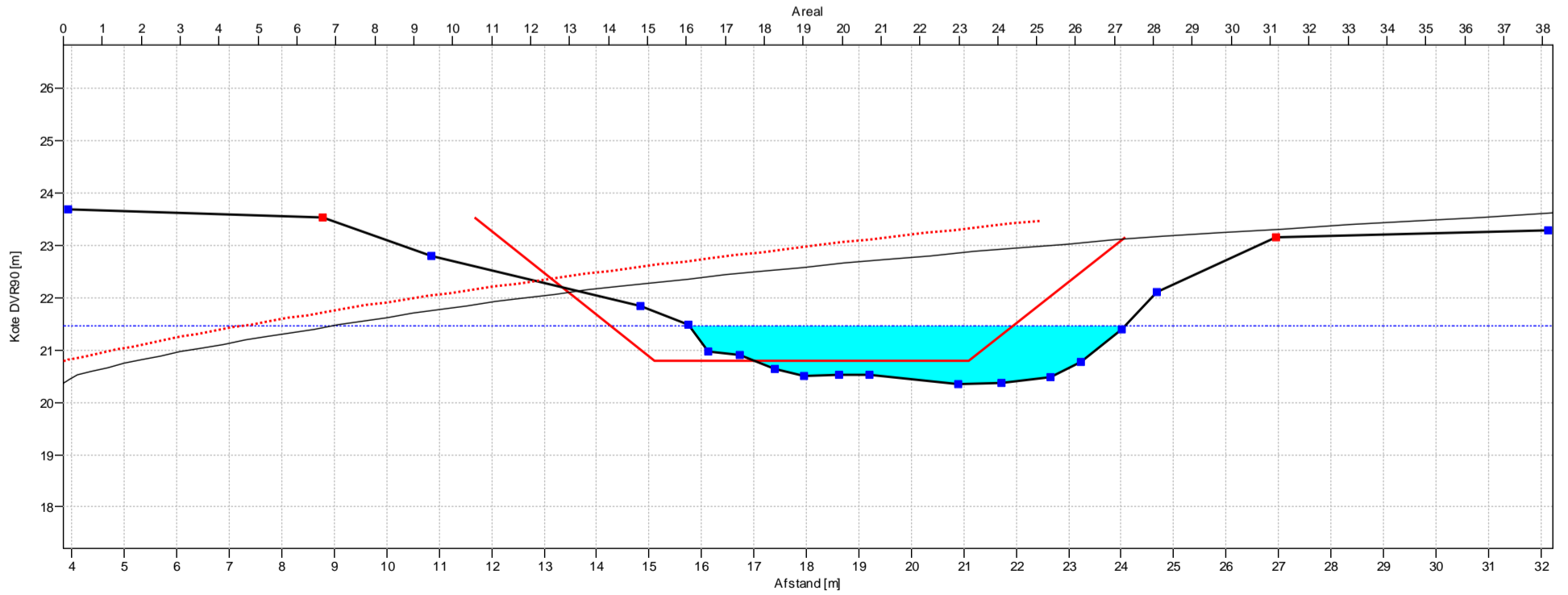
St. 16.309 m



St. 16.508 m

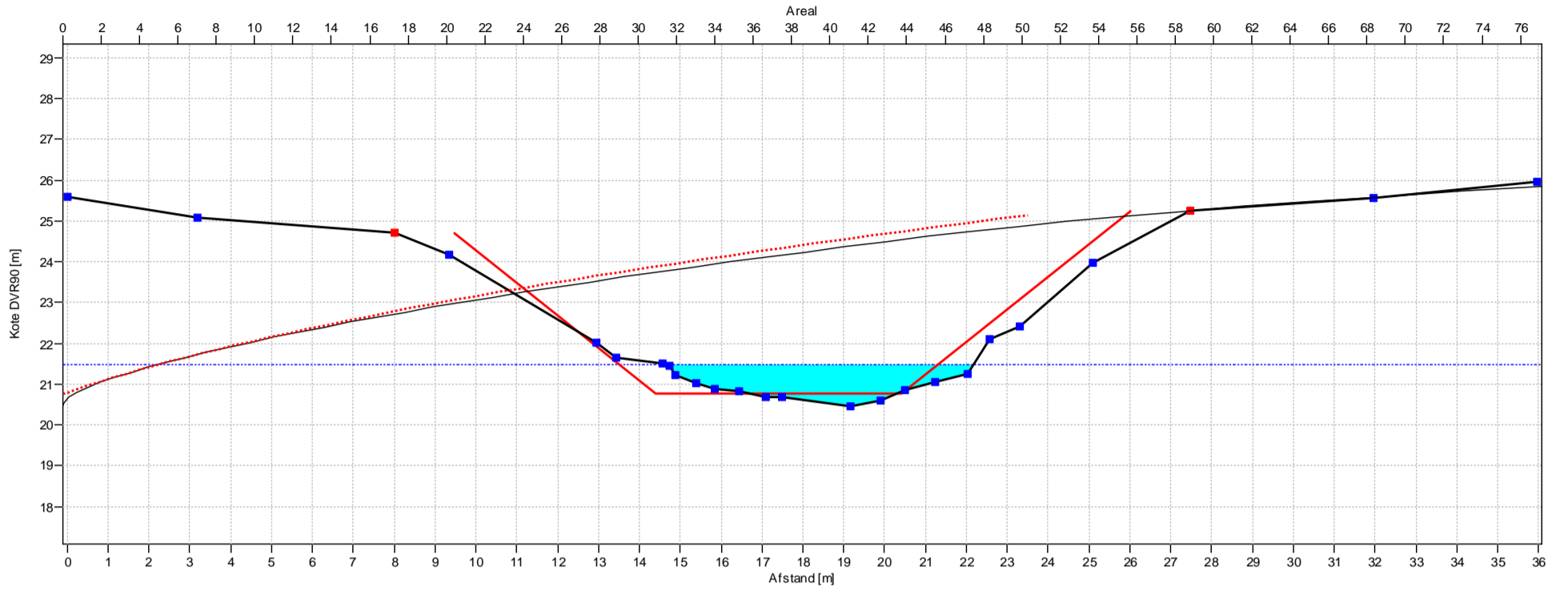


St. 16.700 m

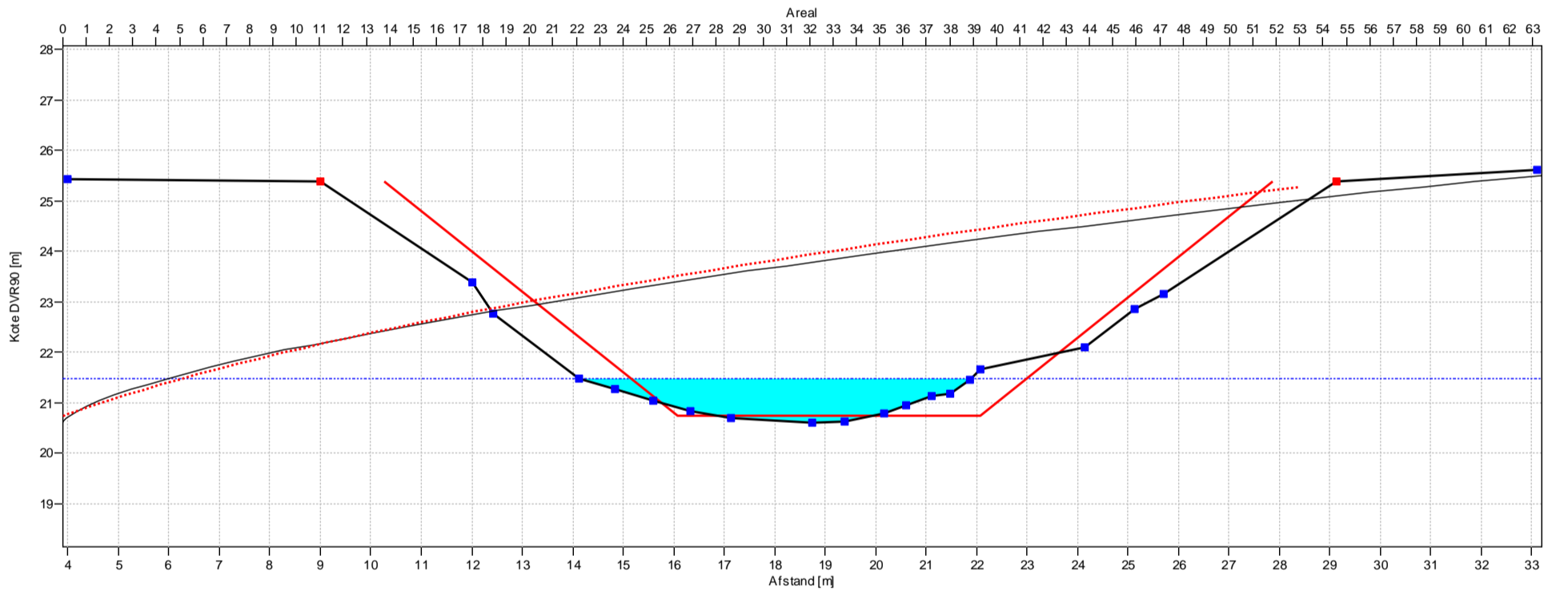


21

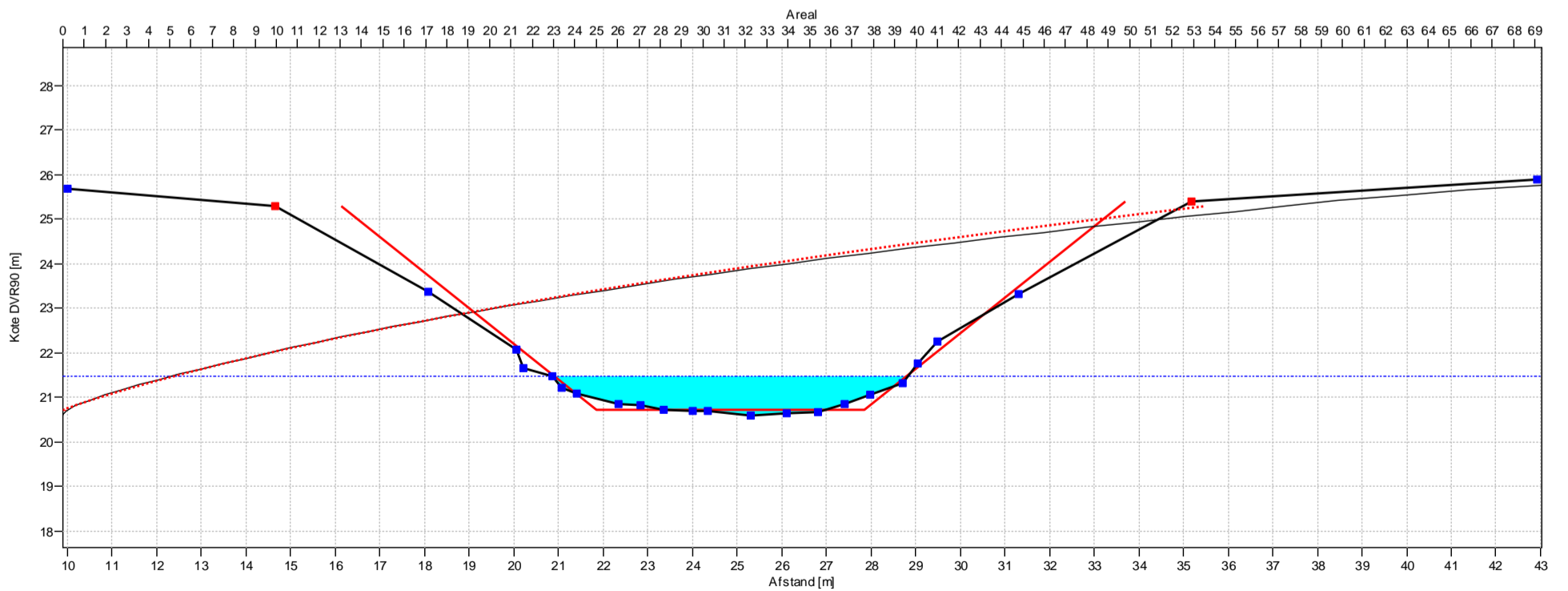
St. 16.942 m



St. 17.141 m

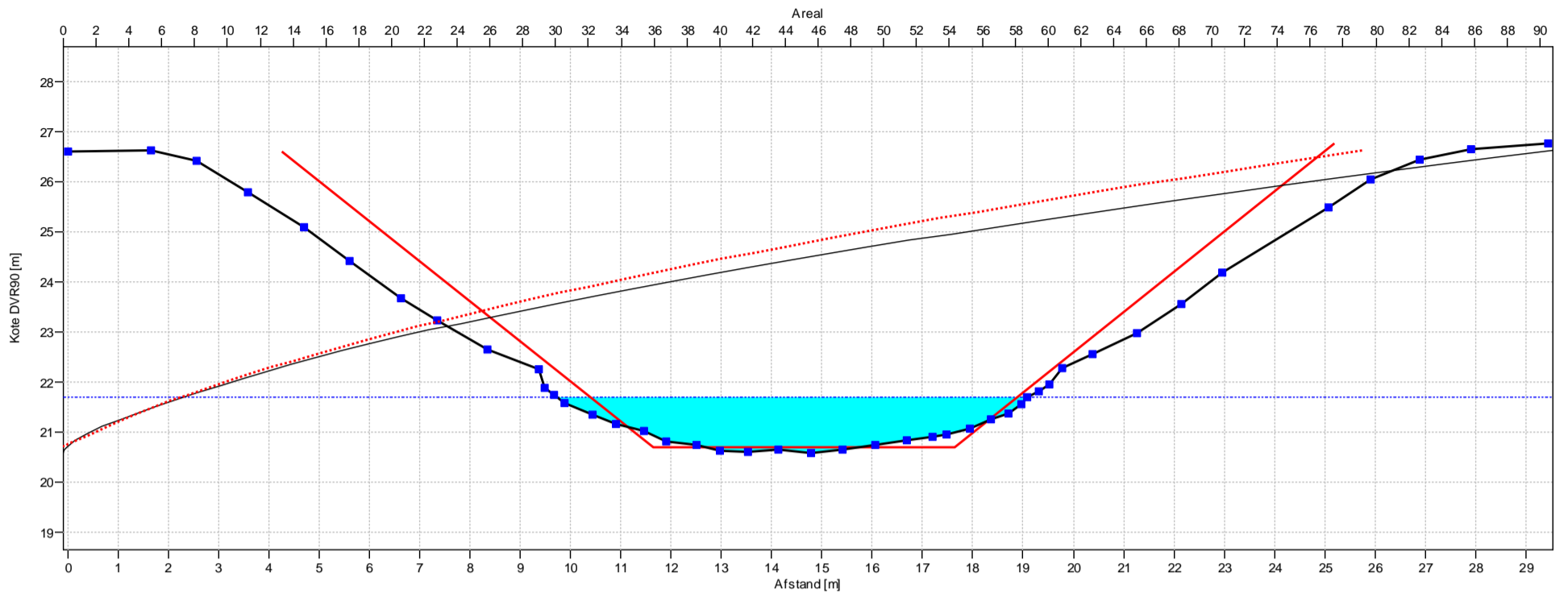


St. 17.314 m

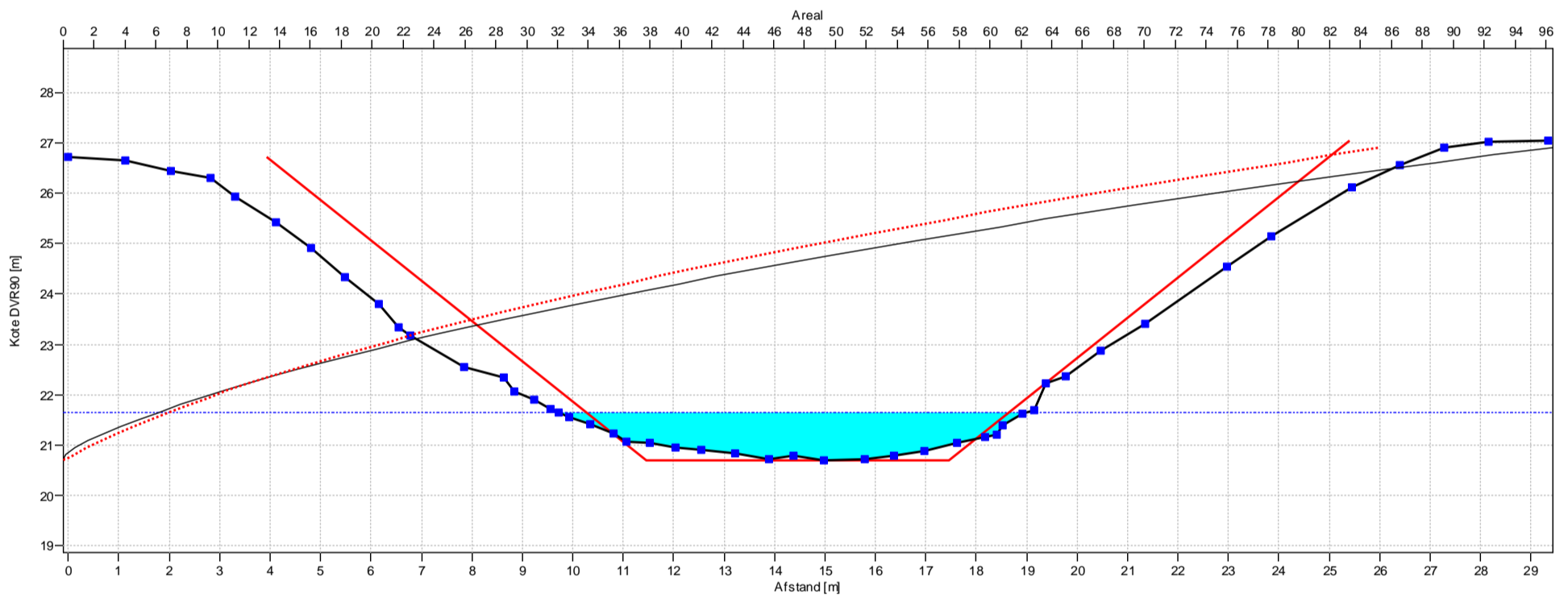


22

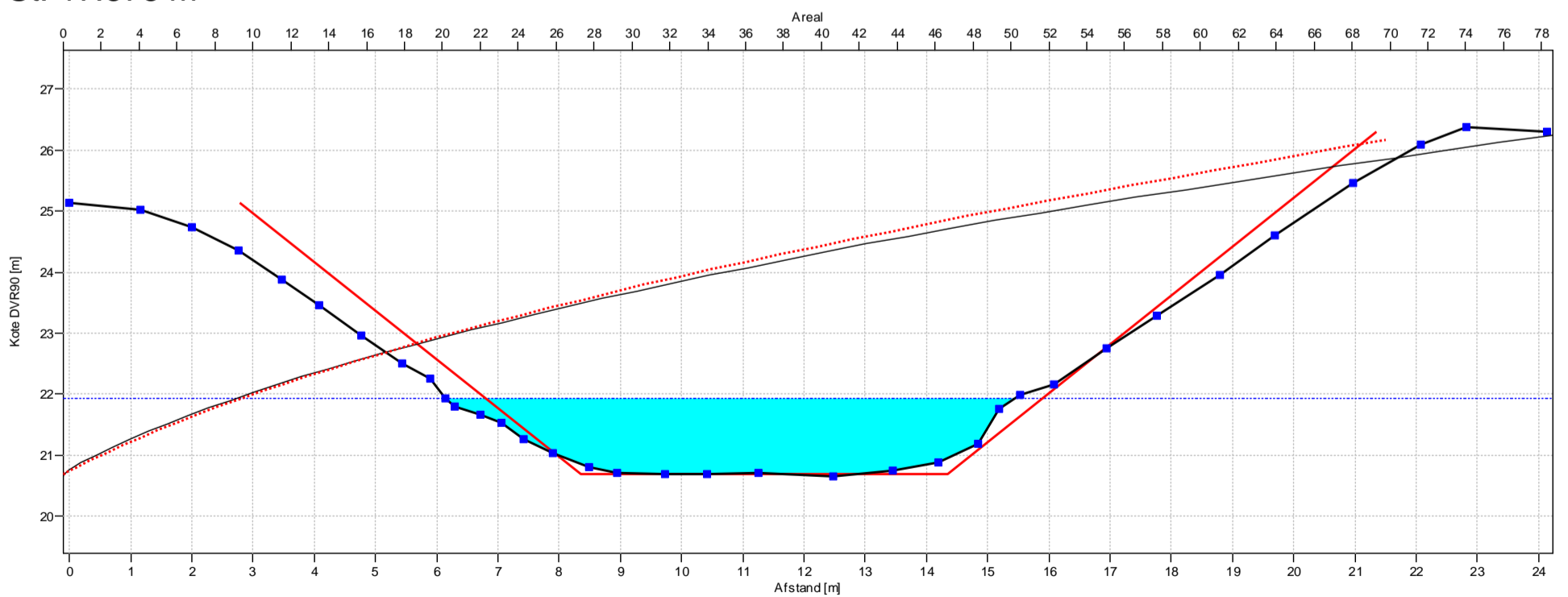
St. 17.458 m



St. 17.482 m

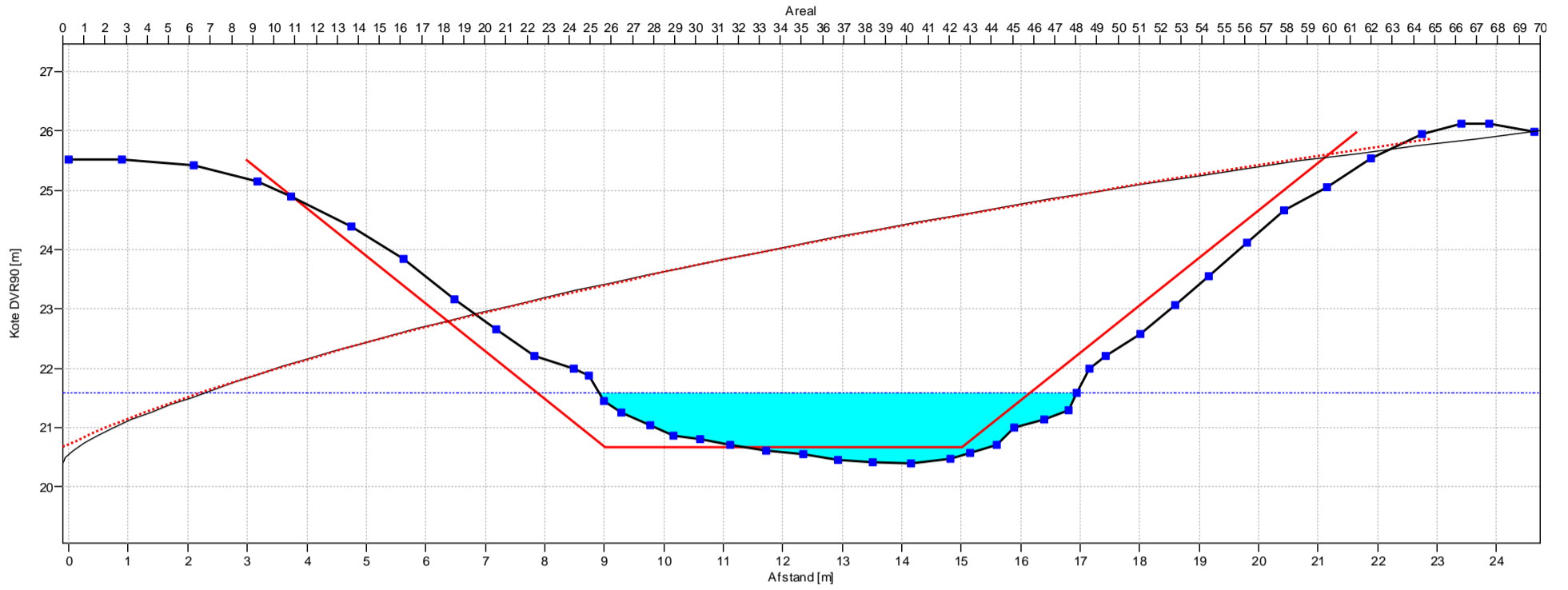


St. 17.573 m

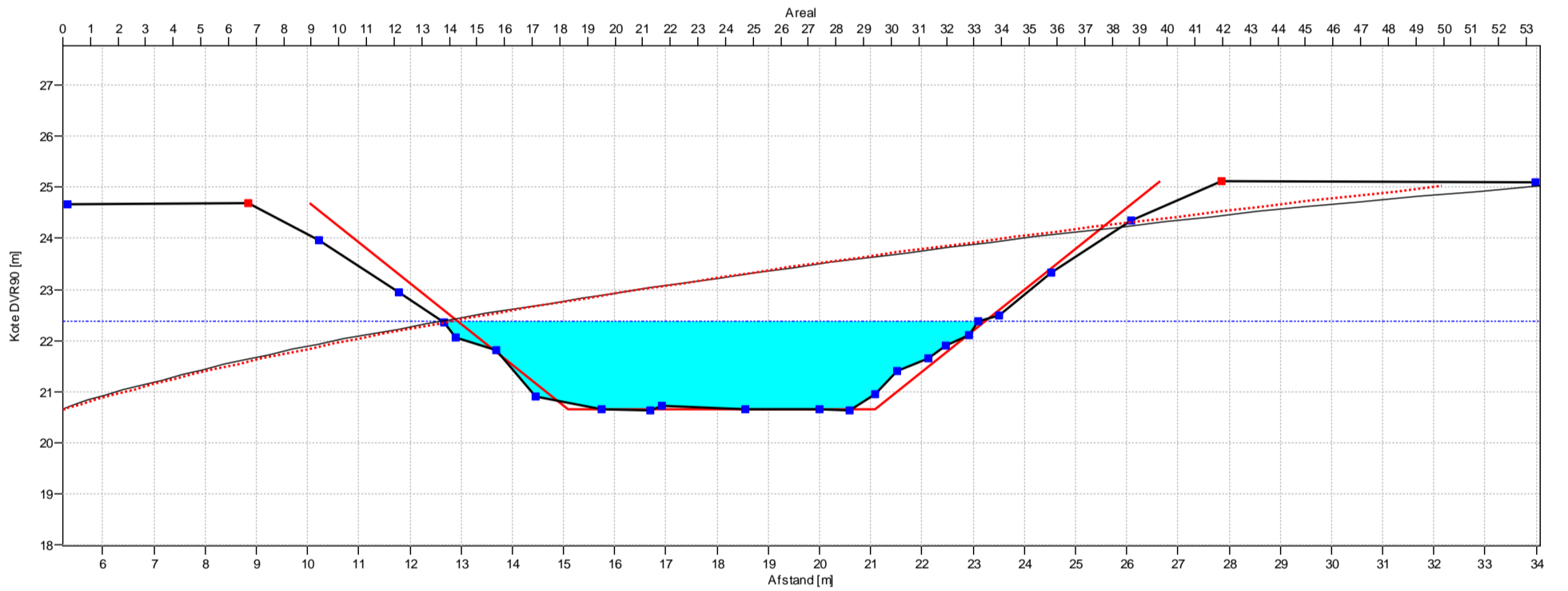


23

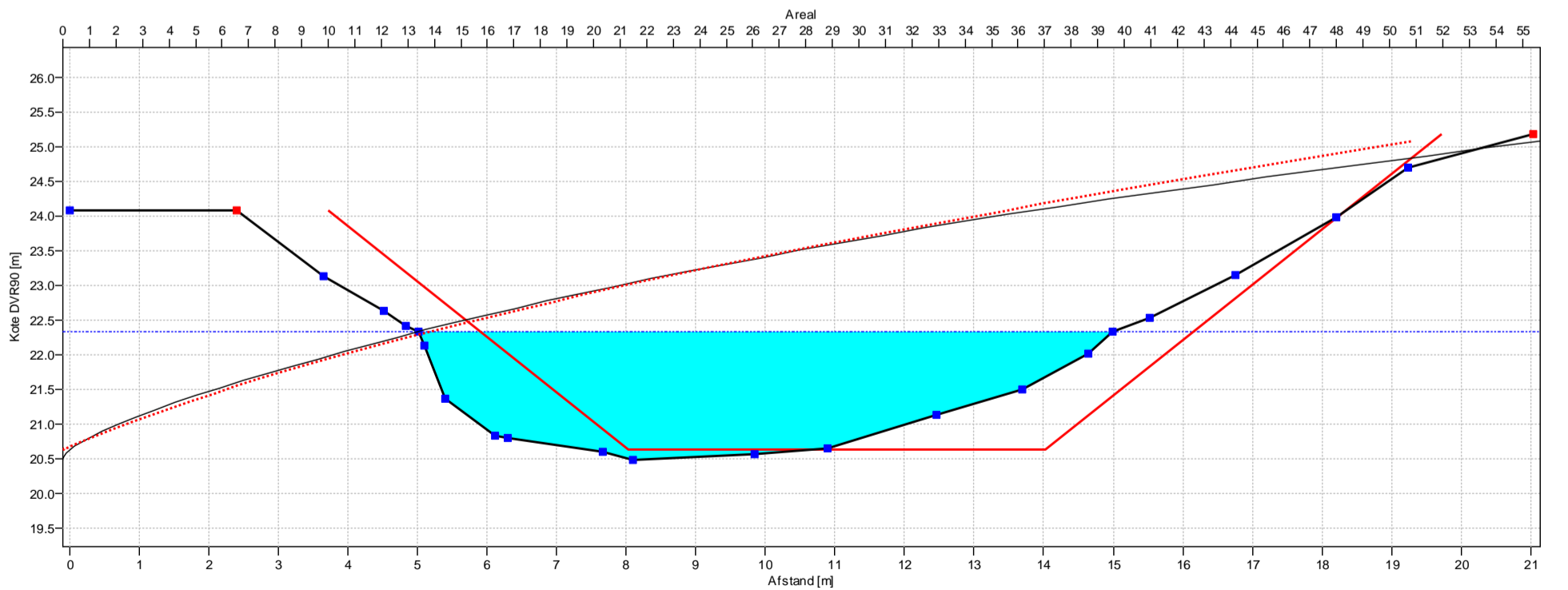
St. 17.699 m



St. 17.885 m

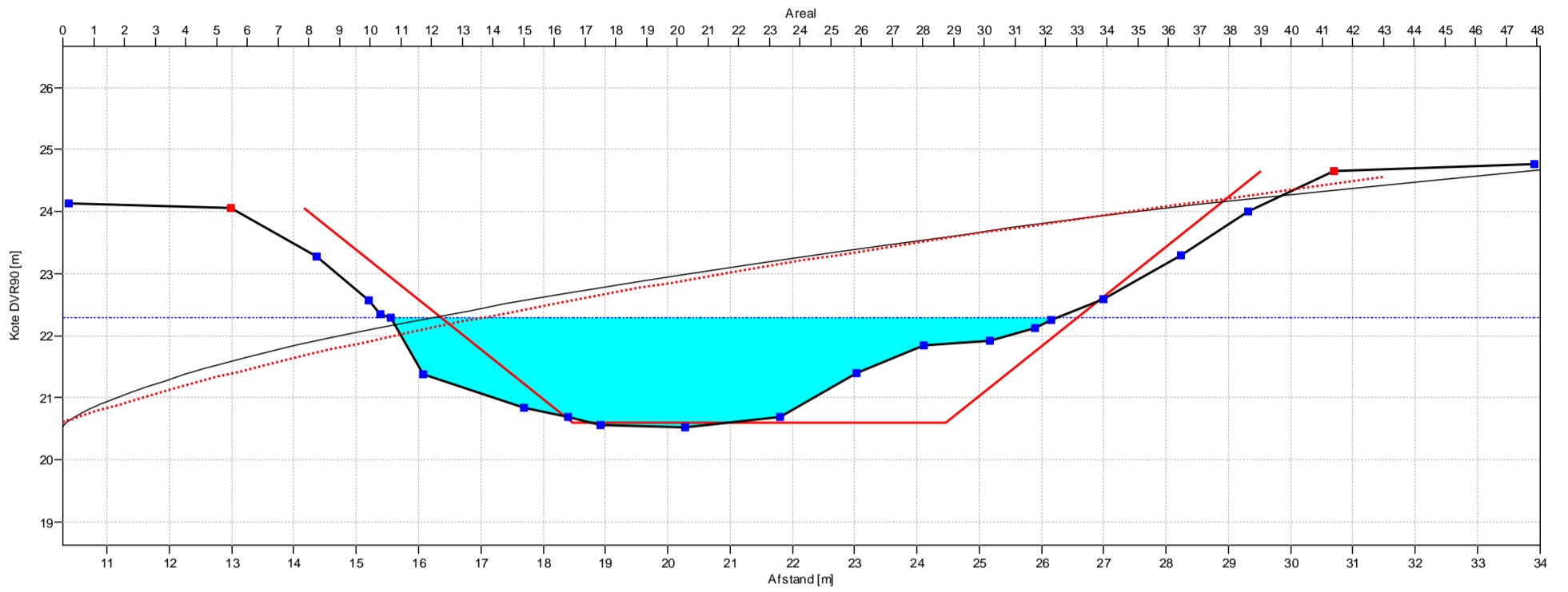


St. 18.052 m

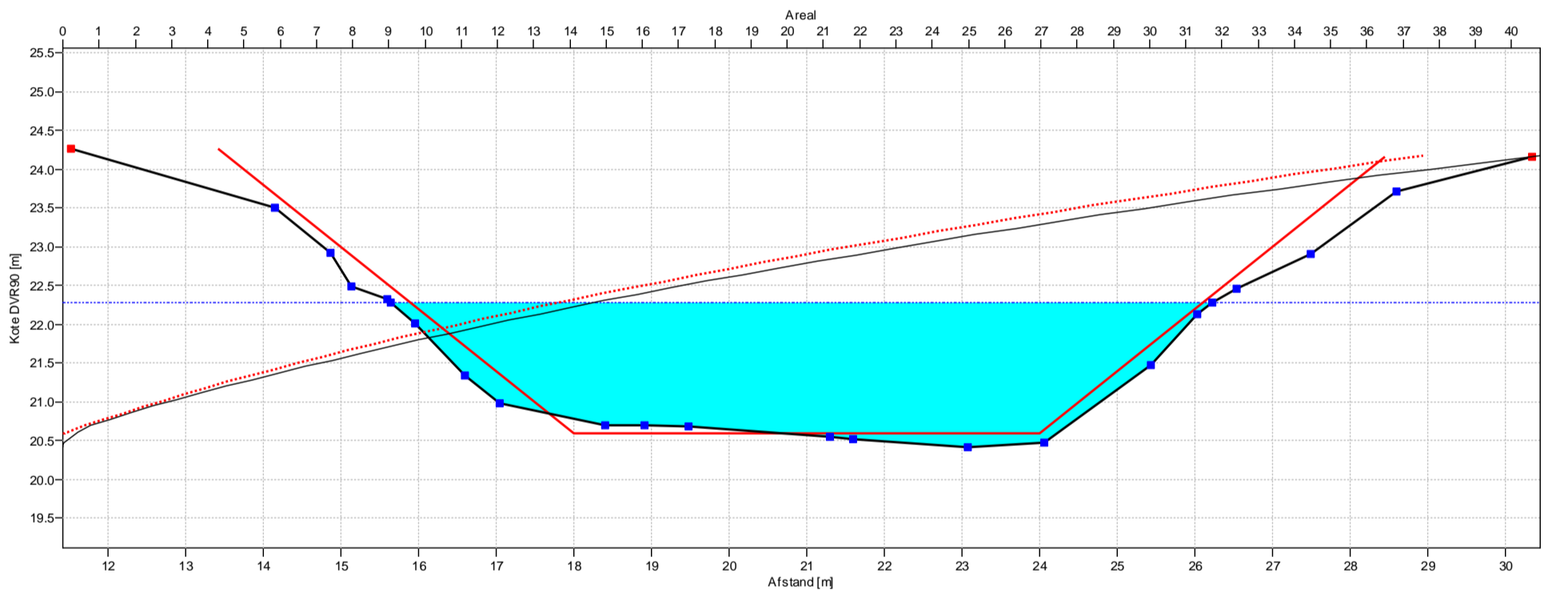


24

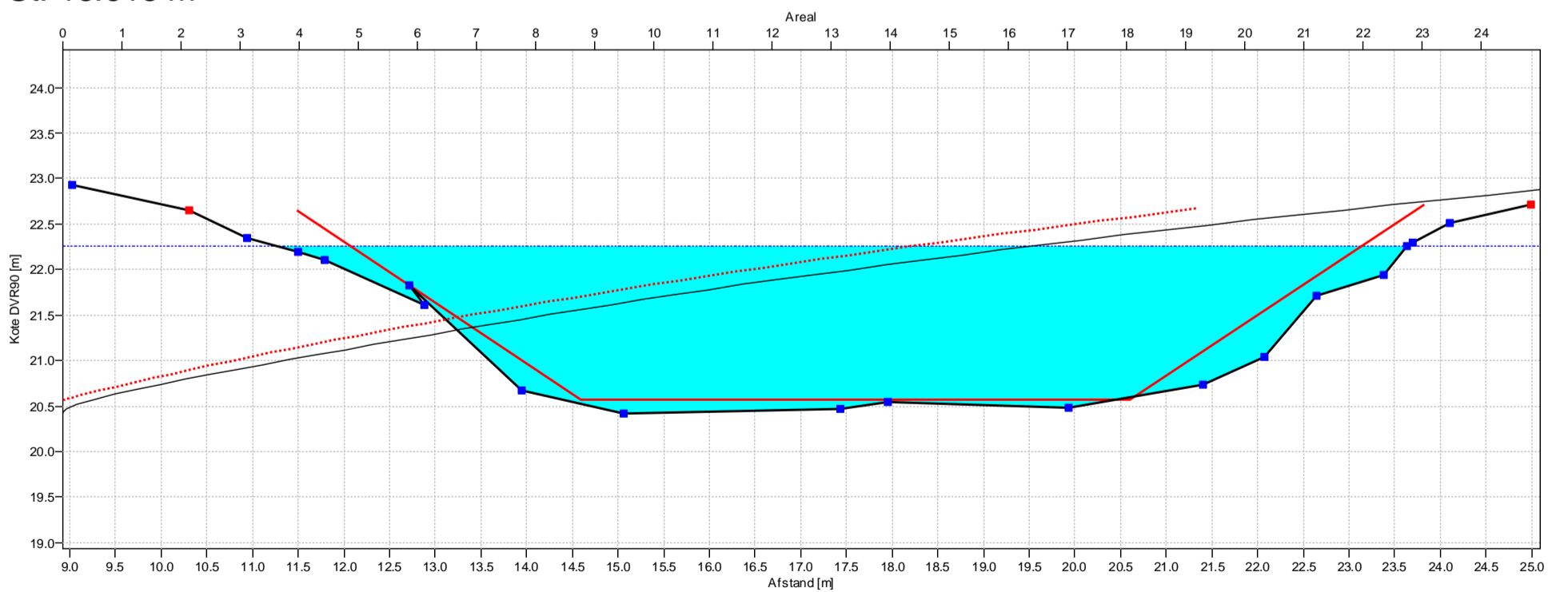
St. 18.280 m



St. 18.405 m

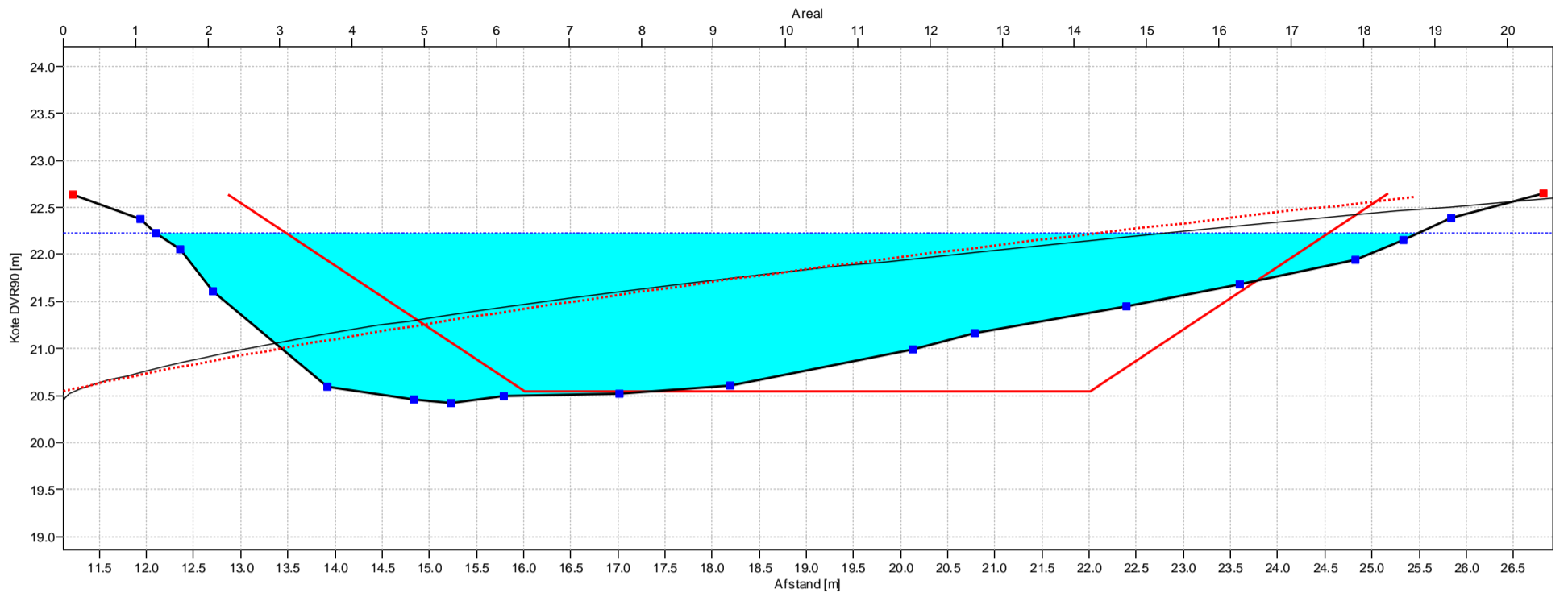


St. 18.618 m

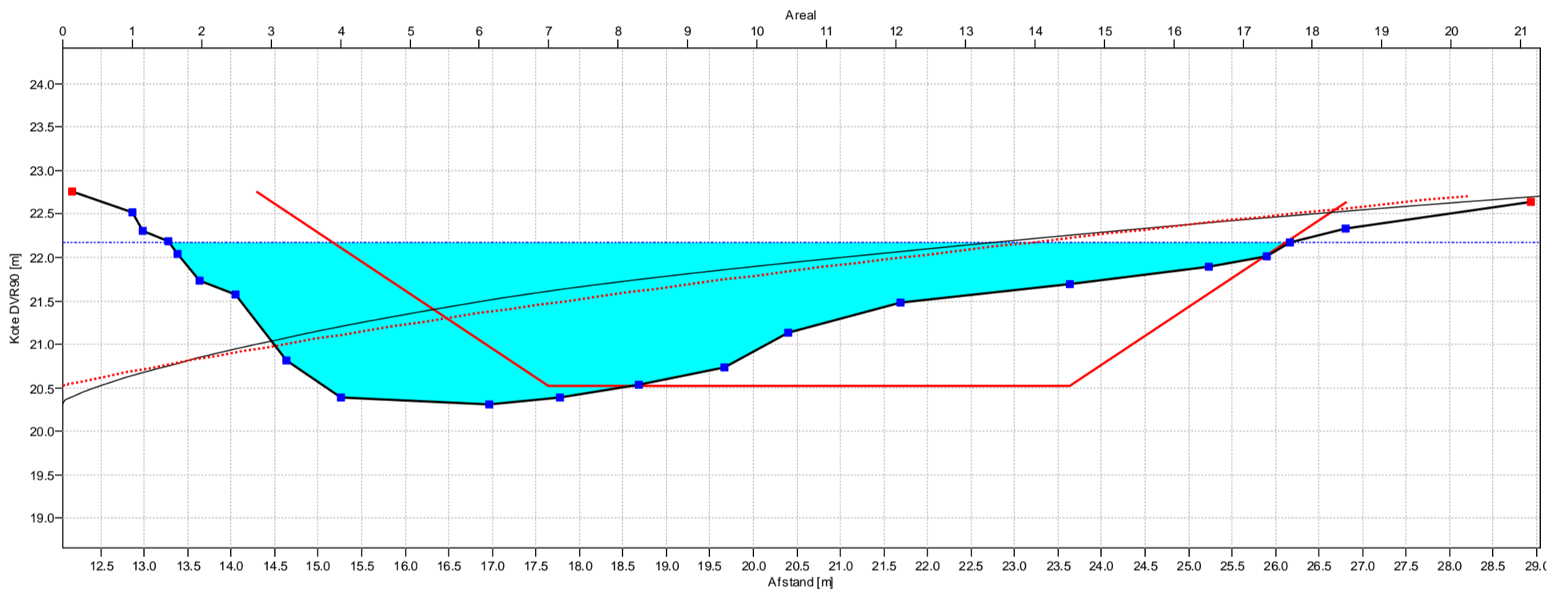


25

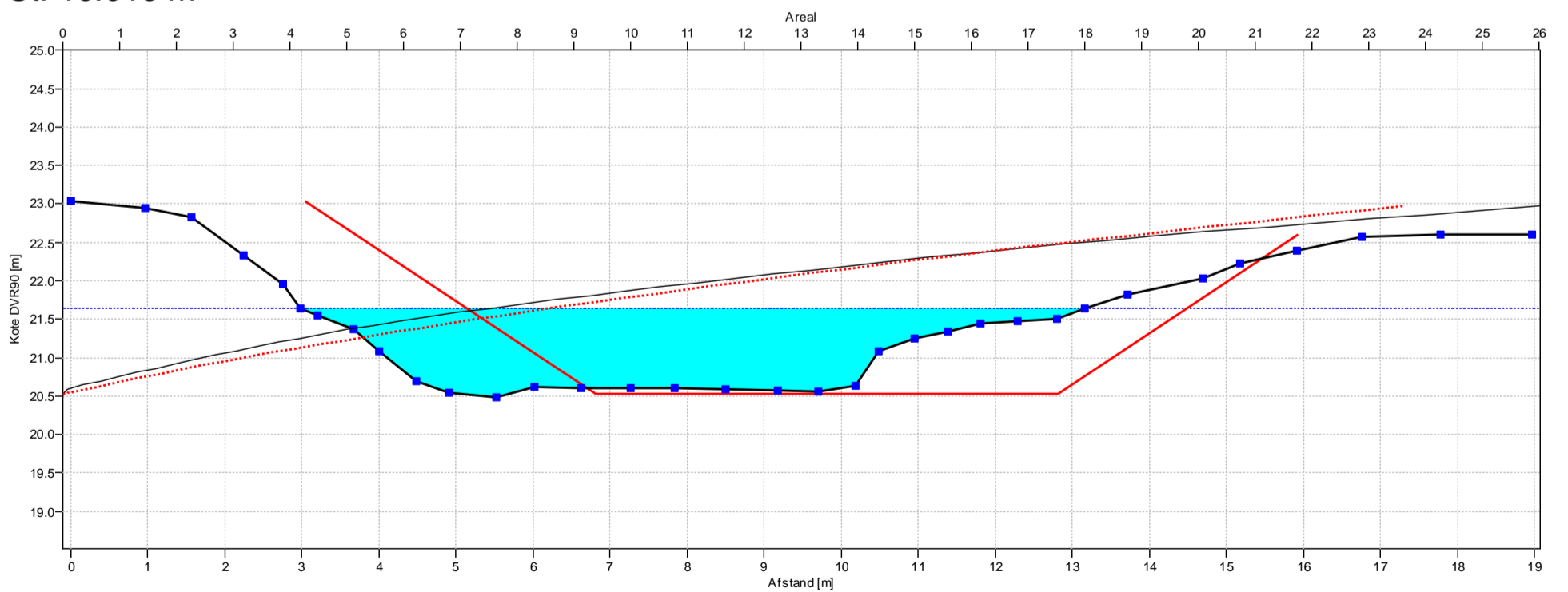
St. 18.789 m



St. 18.960 m

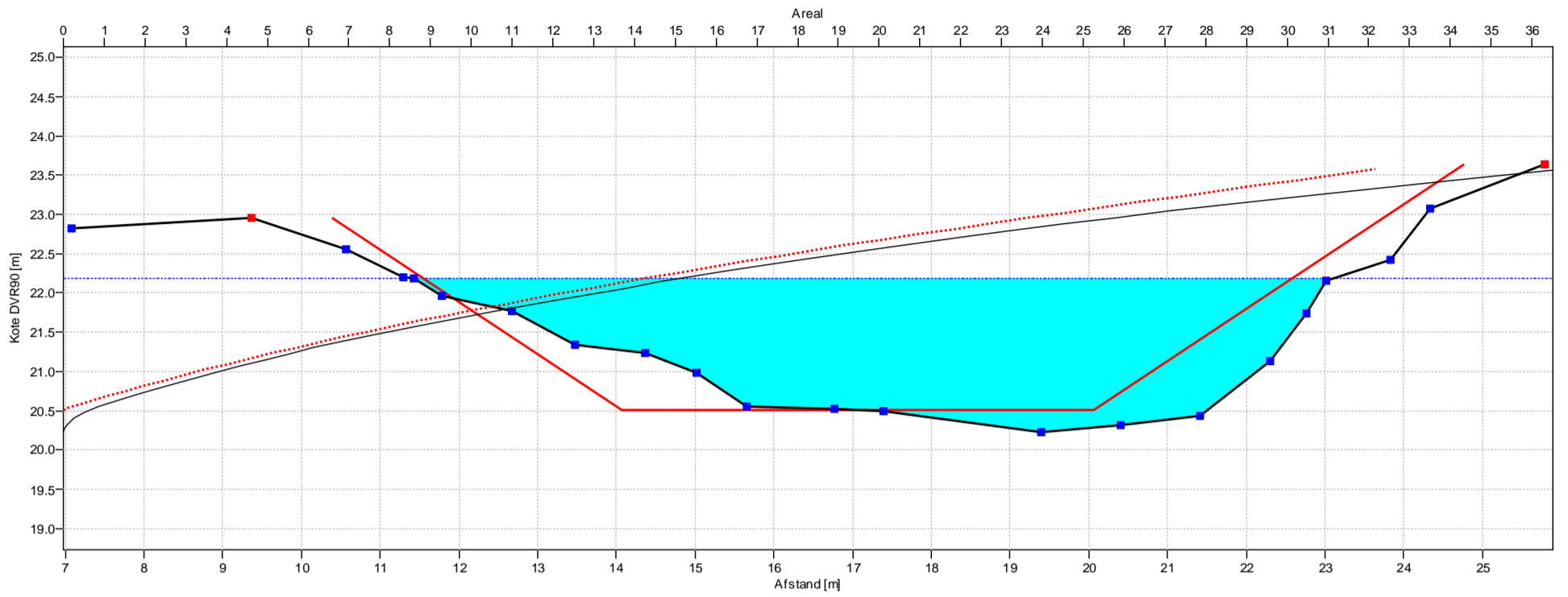


St. 19.013 m

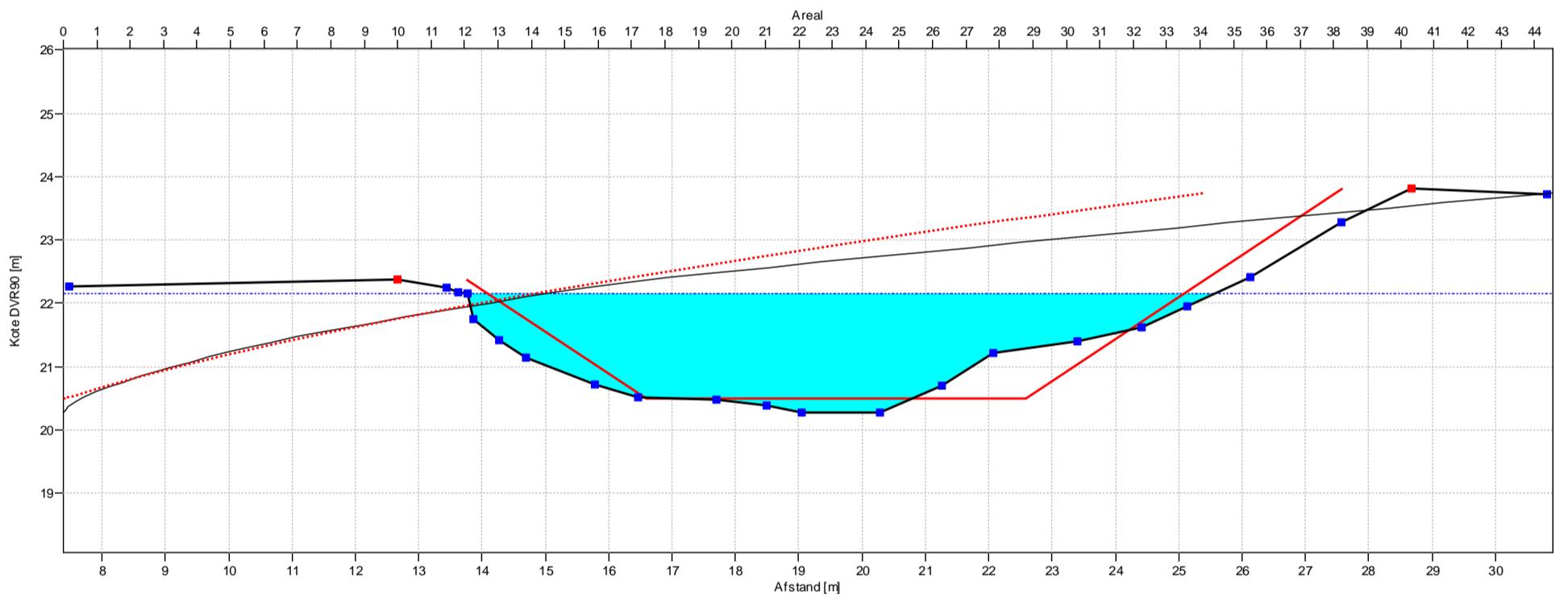


26

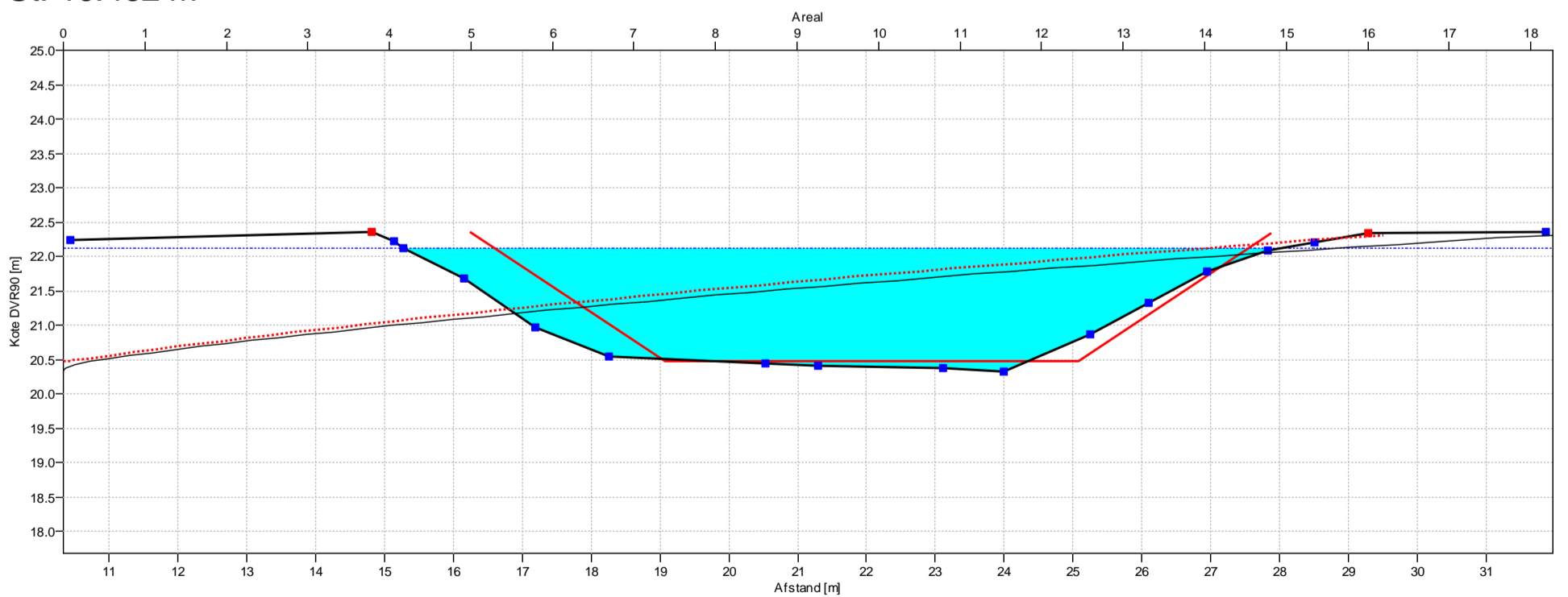
St. 19.113 m



St. 19.316 m

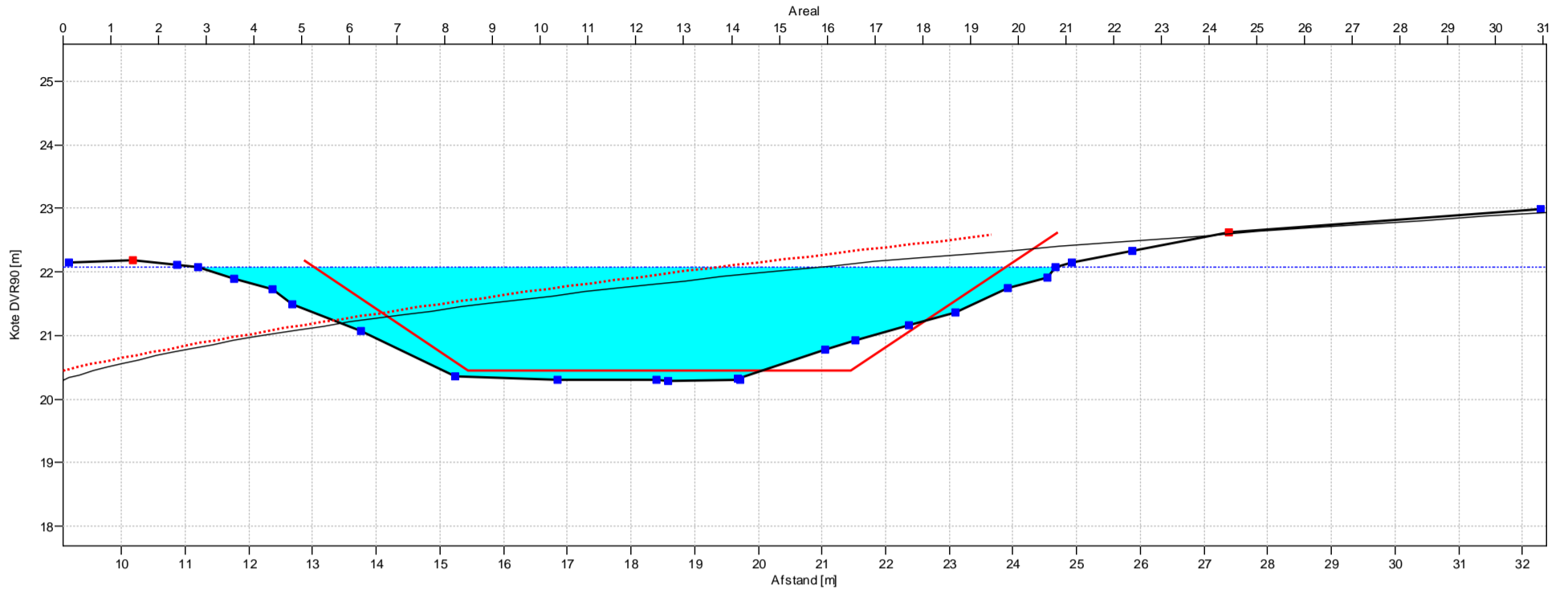


St. 19.462 m

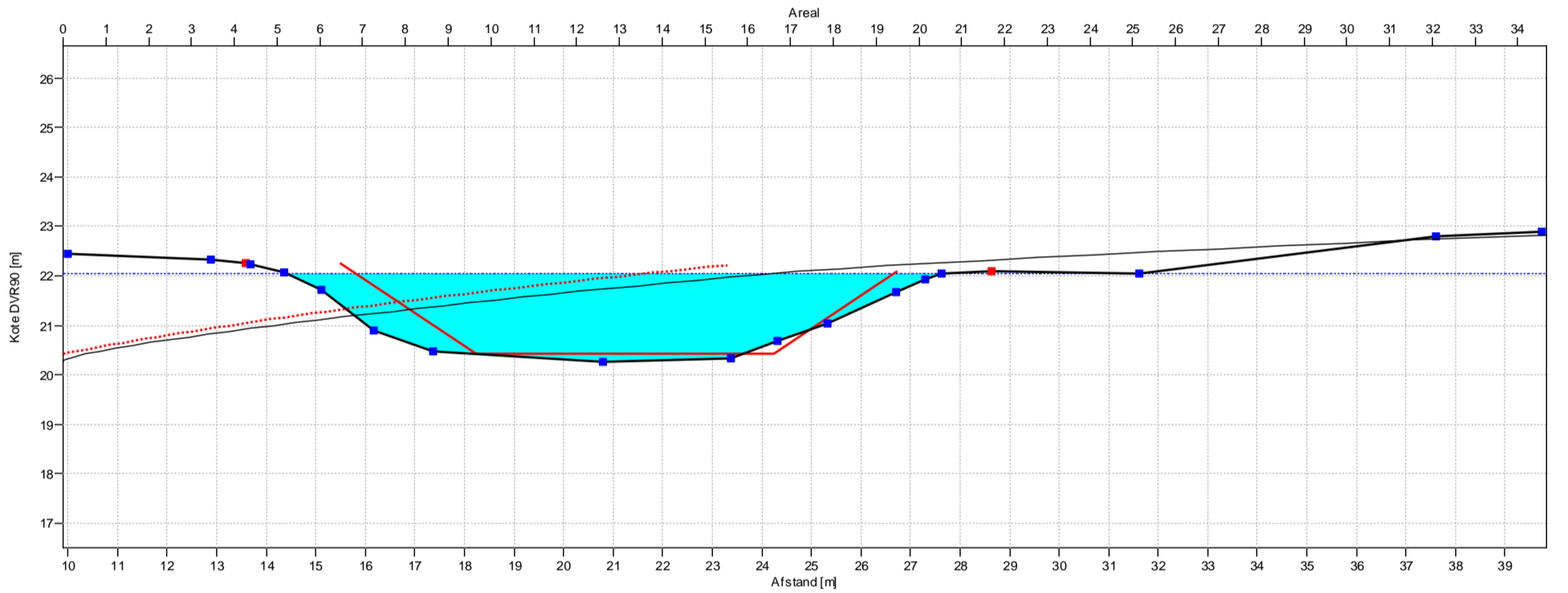


27

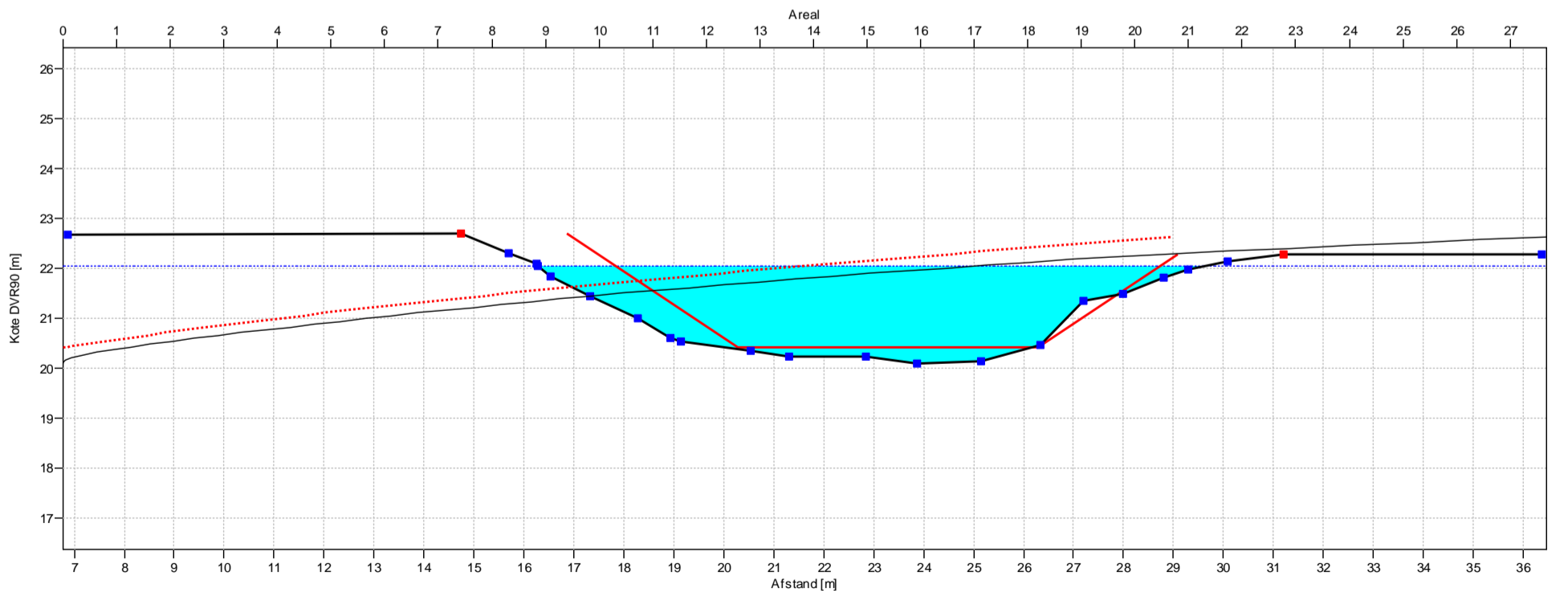
St. 19.630 m



St. 19.809 m

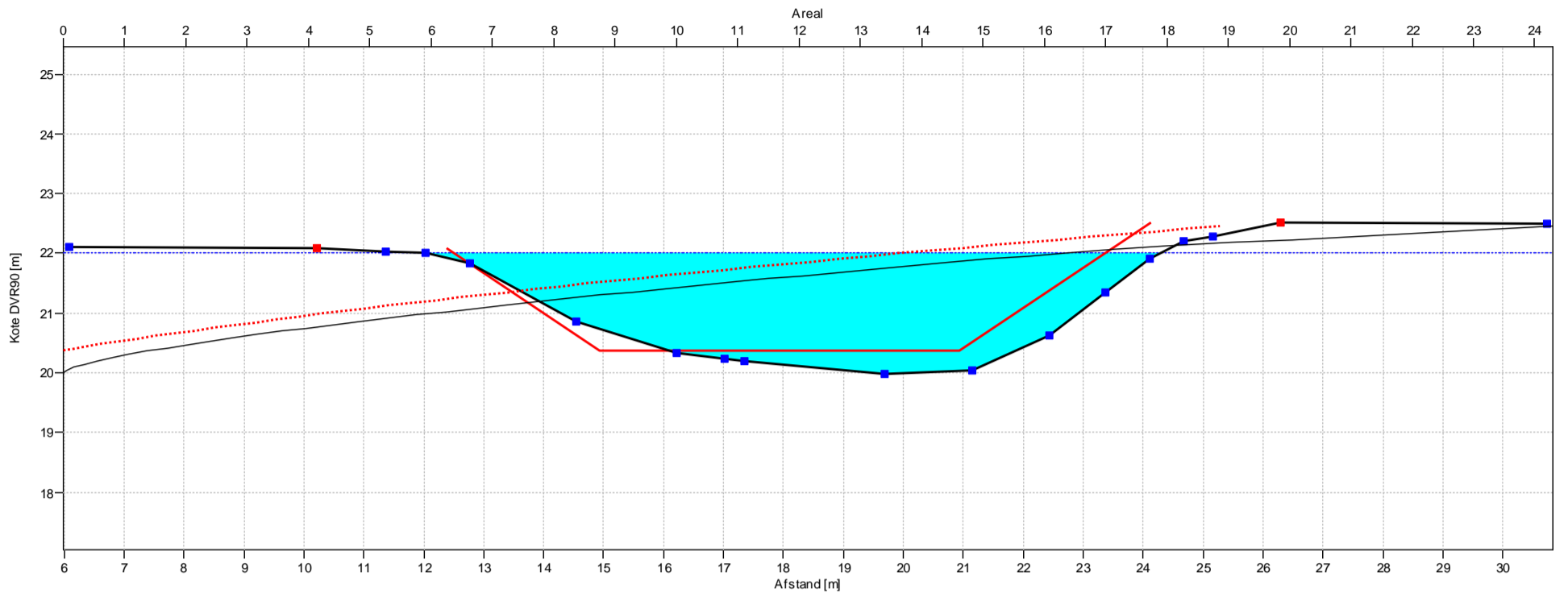


St. 19.994 m

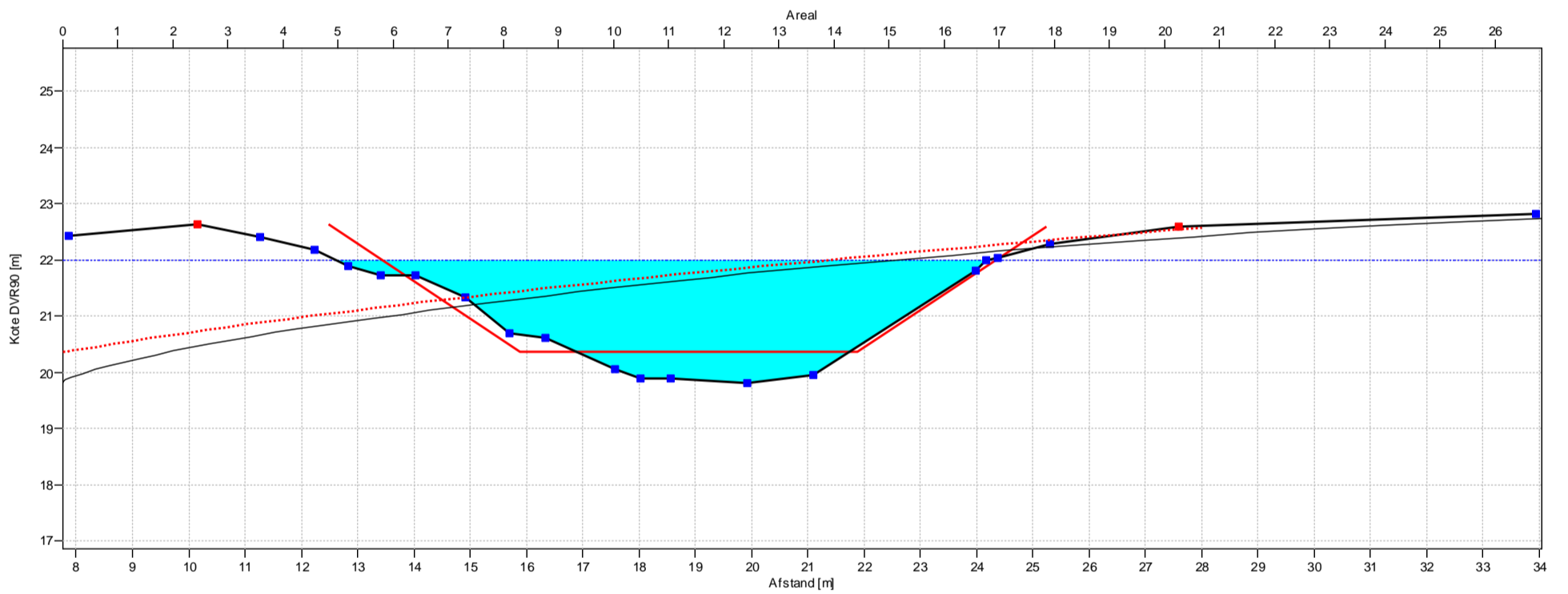


28

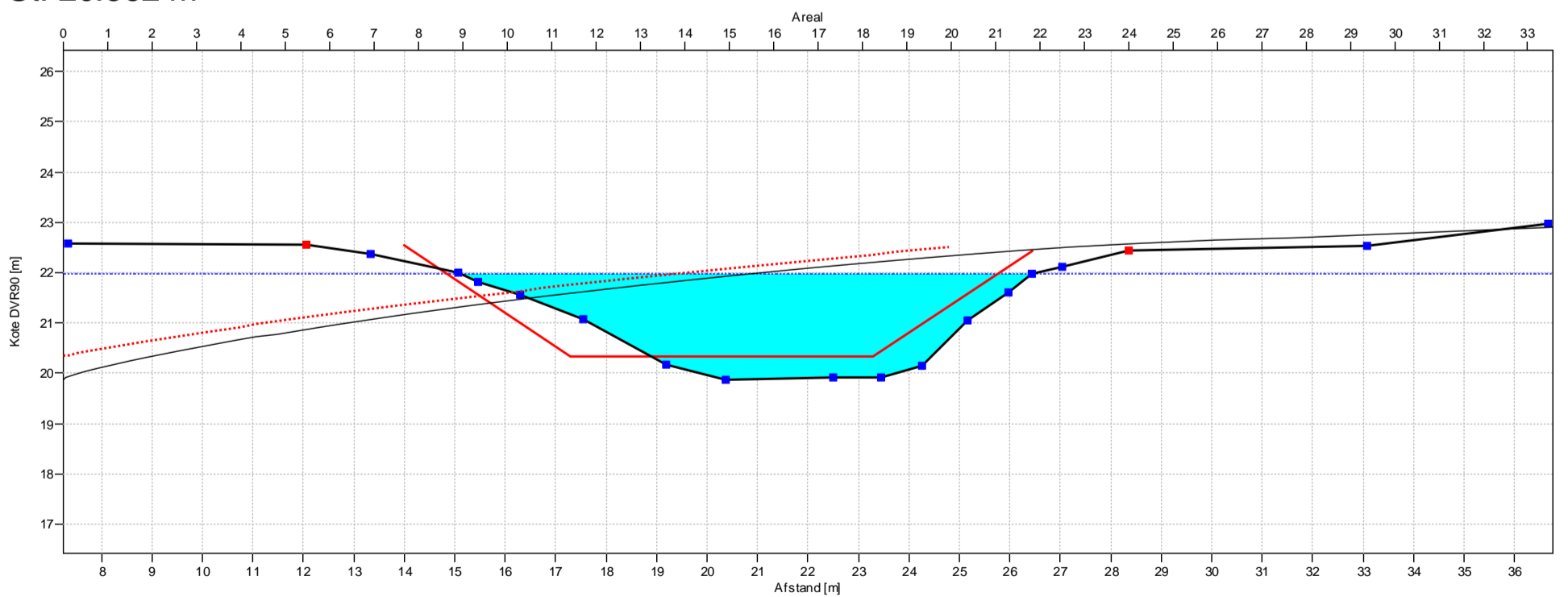
St. 20.240 m



St. 20.411 m

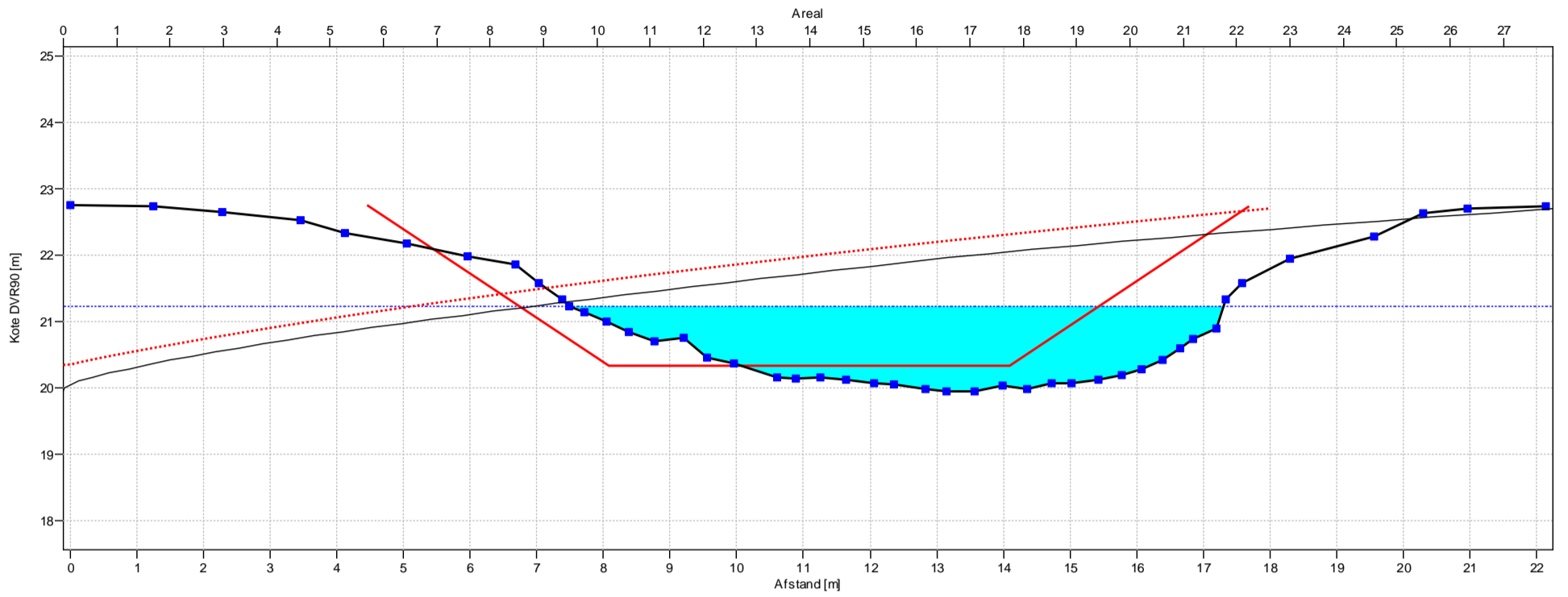


St. 20.562 m

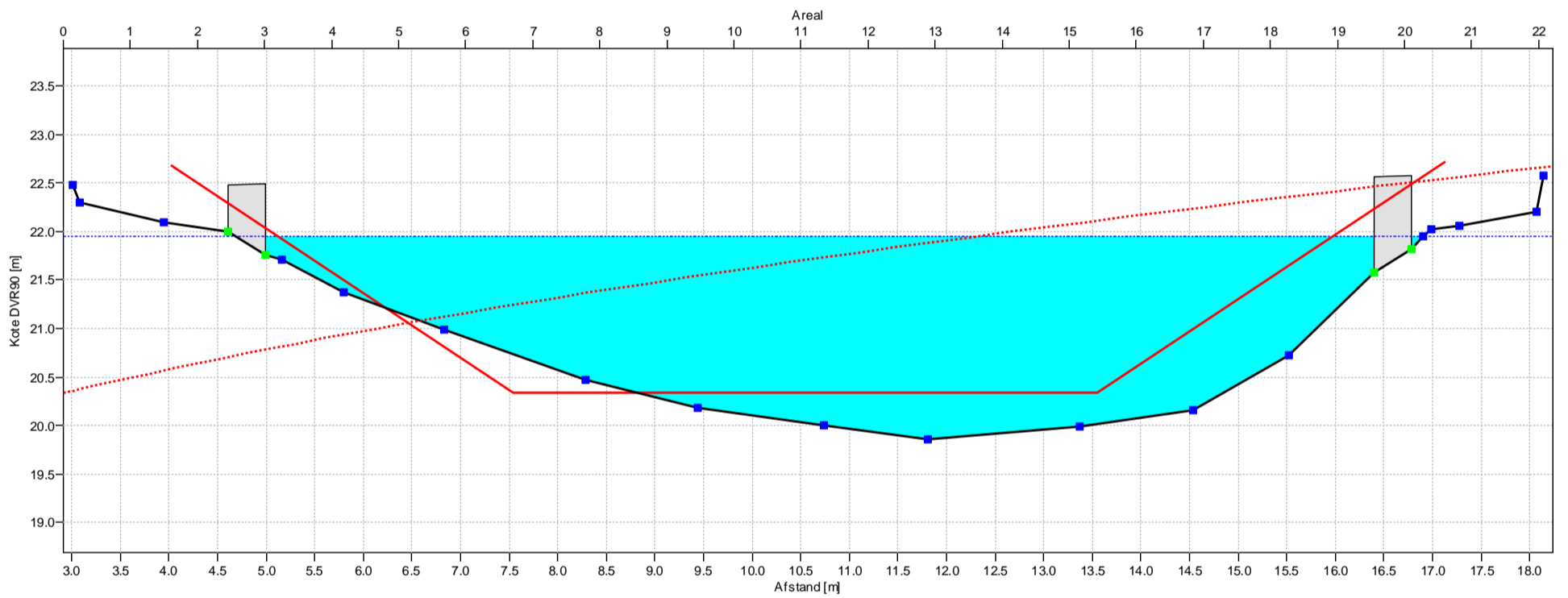


29

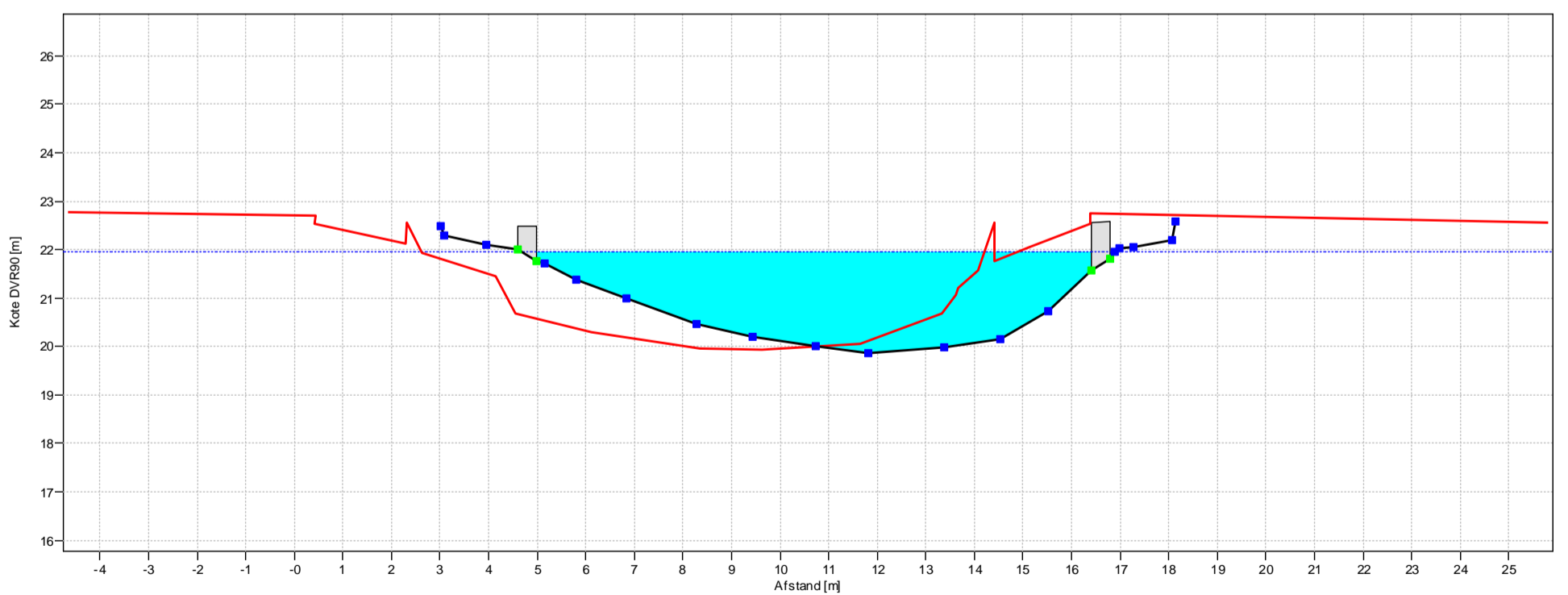
St. 20.632 m



St. 20.633 m

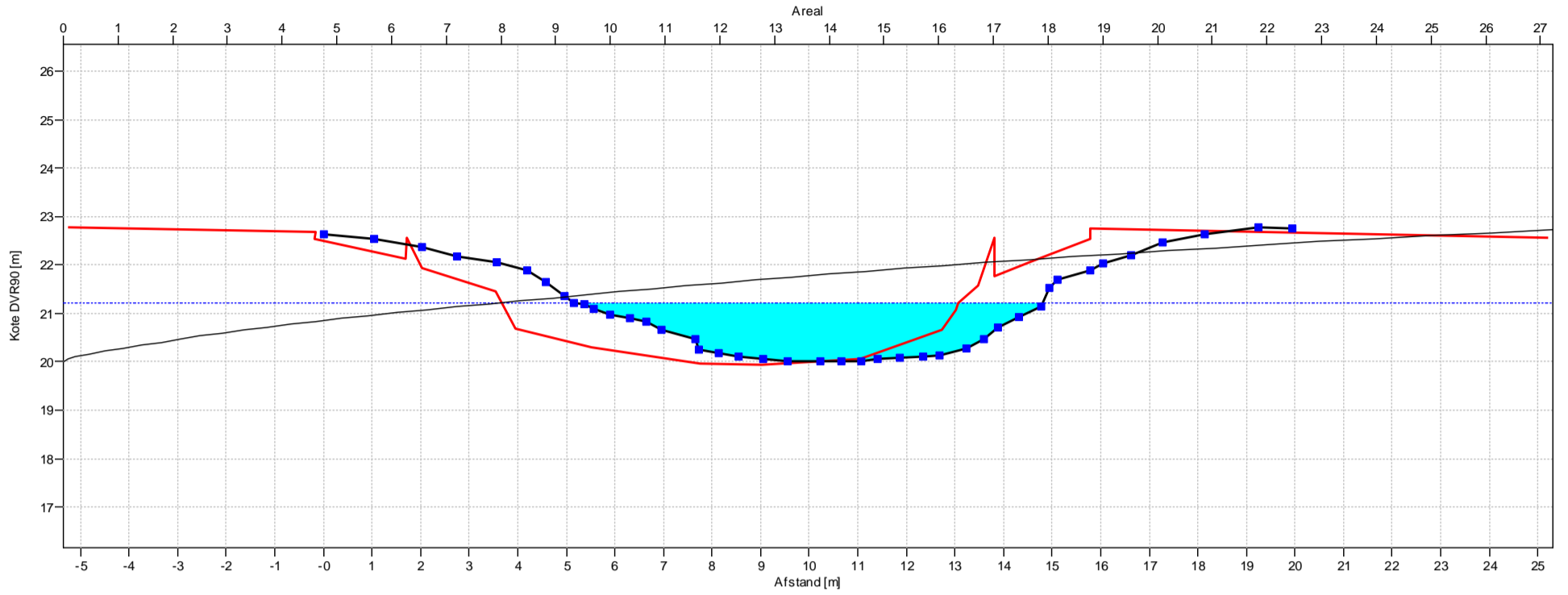


St. 20.635 m

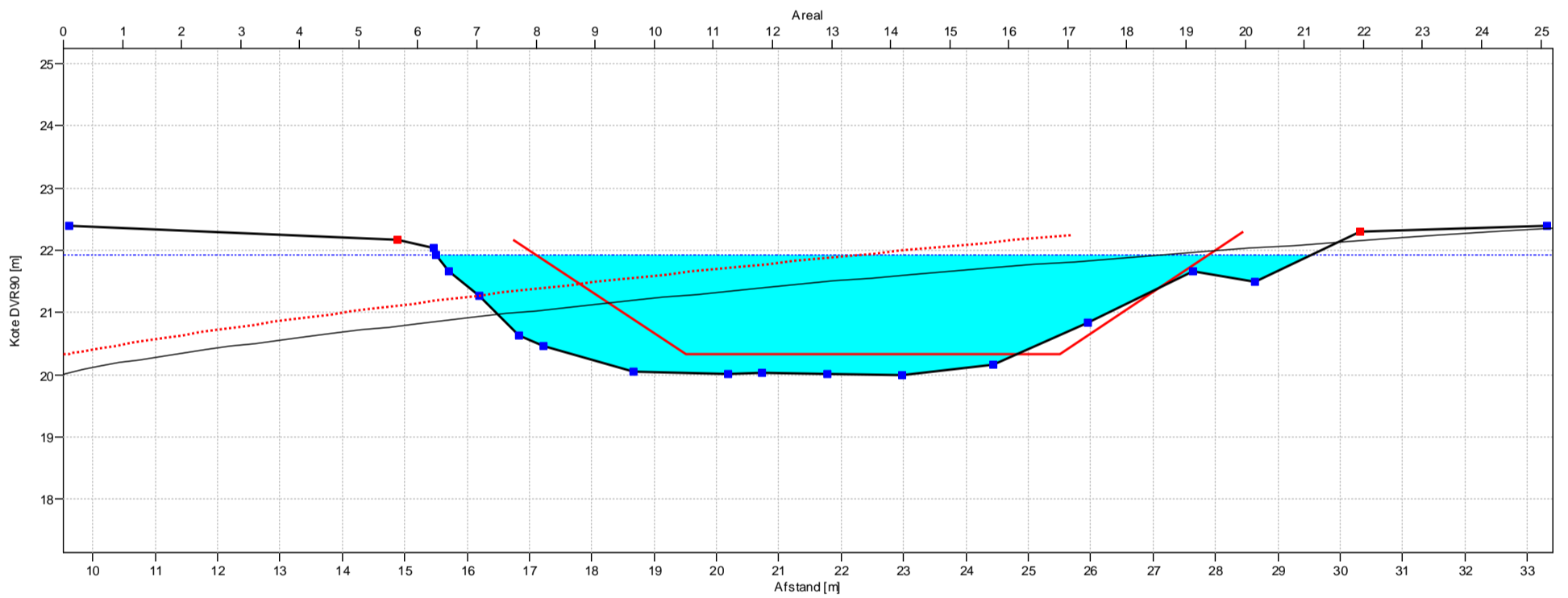


30

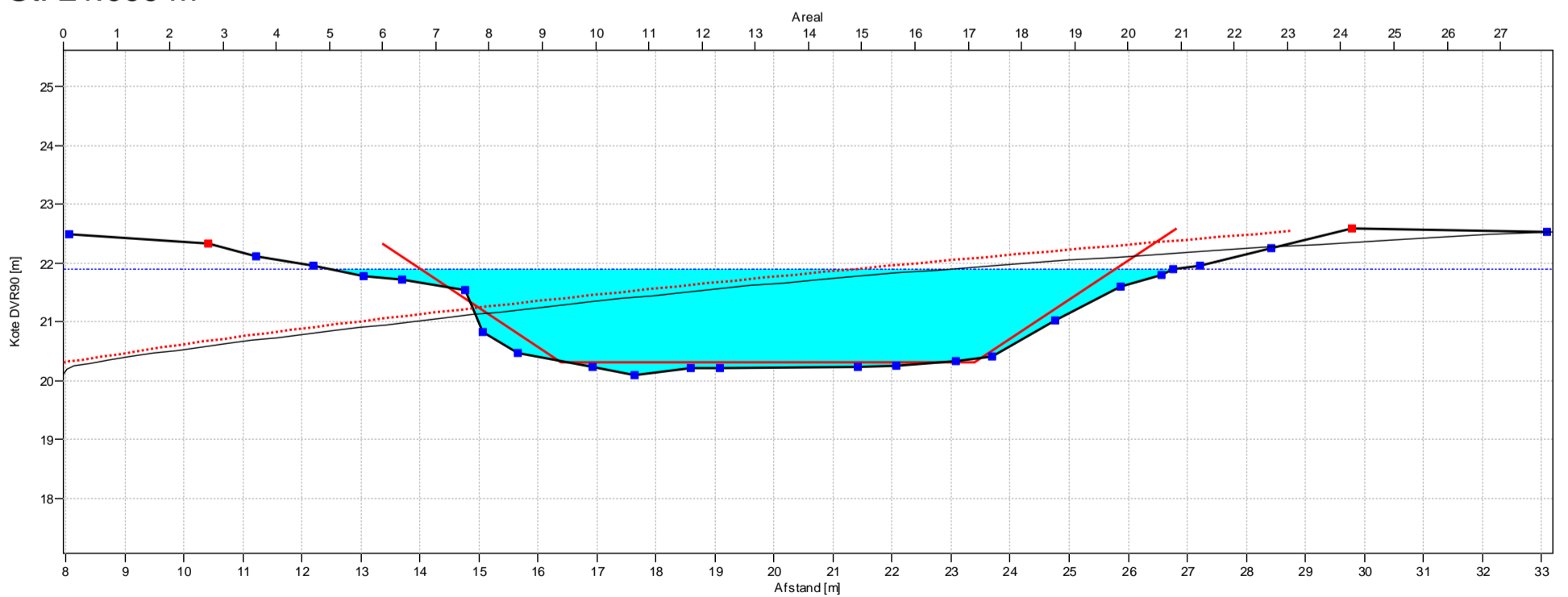
St. 20.635.4 m



St. 20.816 m

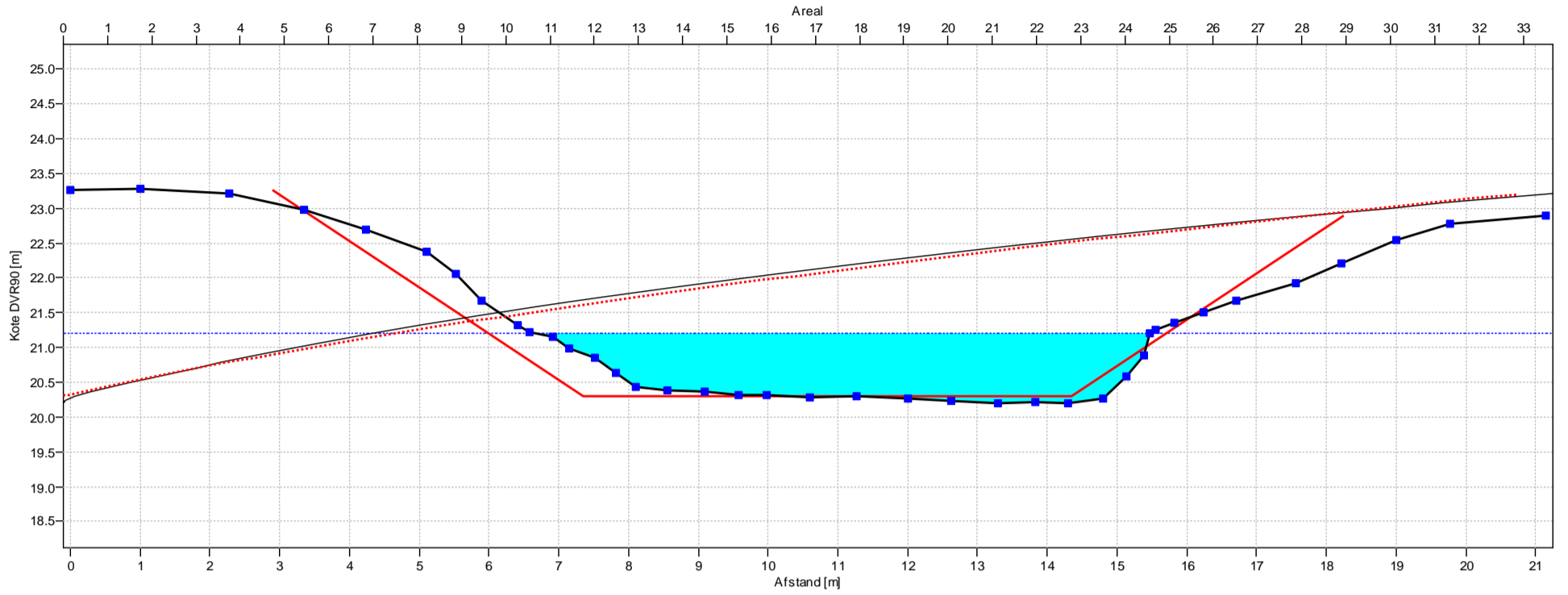


St. 21.099 m

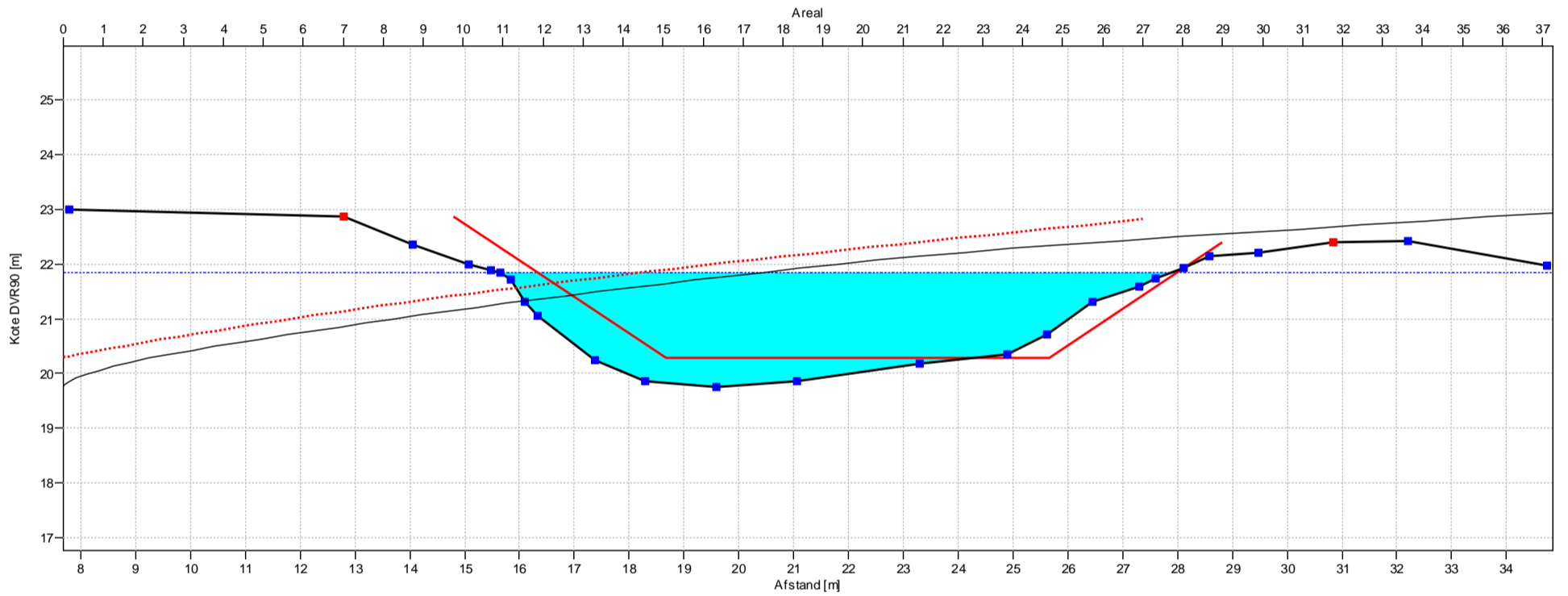


31

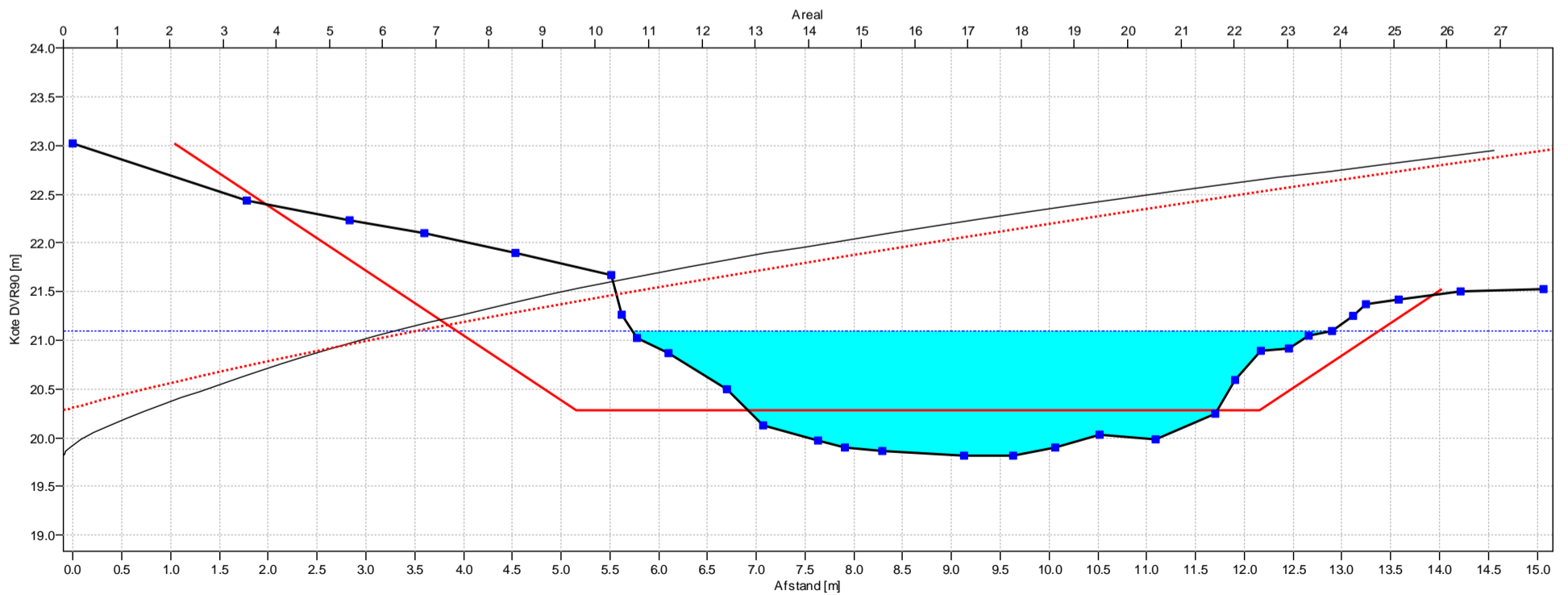
St. 21.210 m



St. 21.471 m

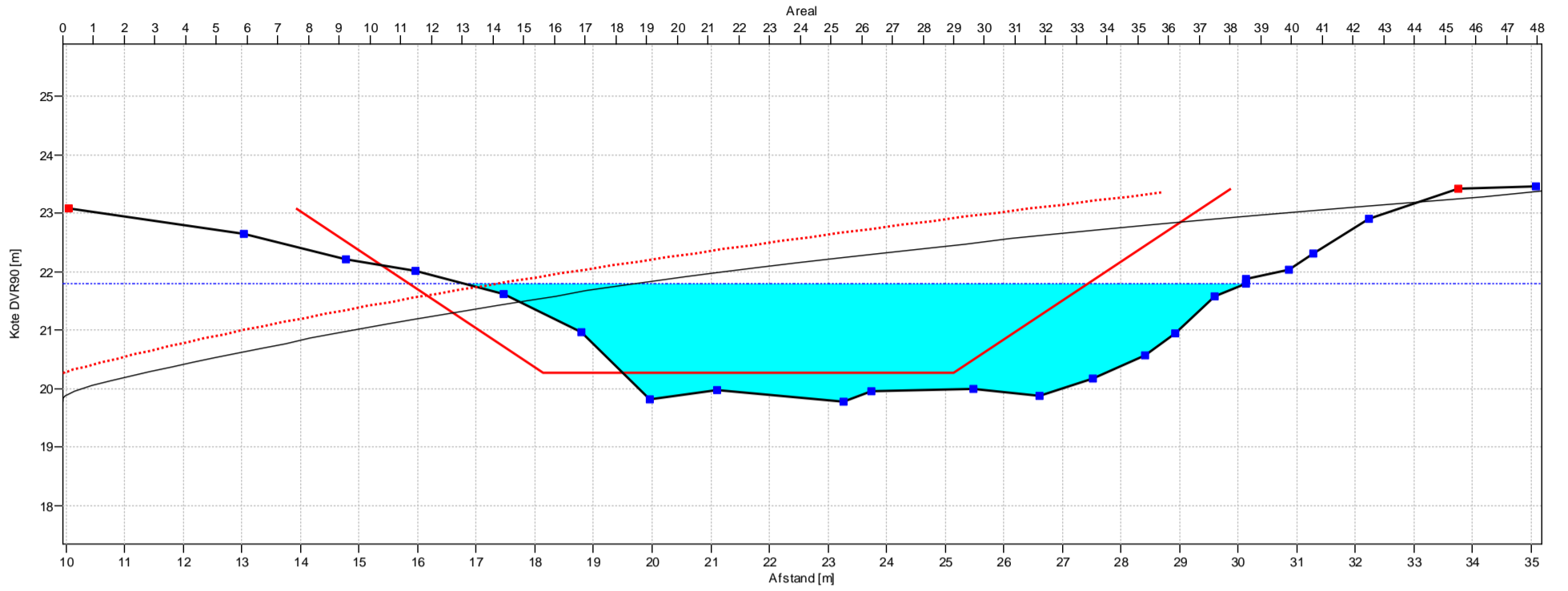


St. 21.673 m

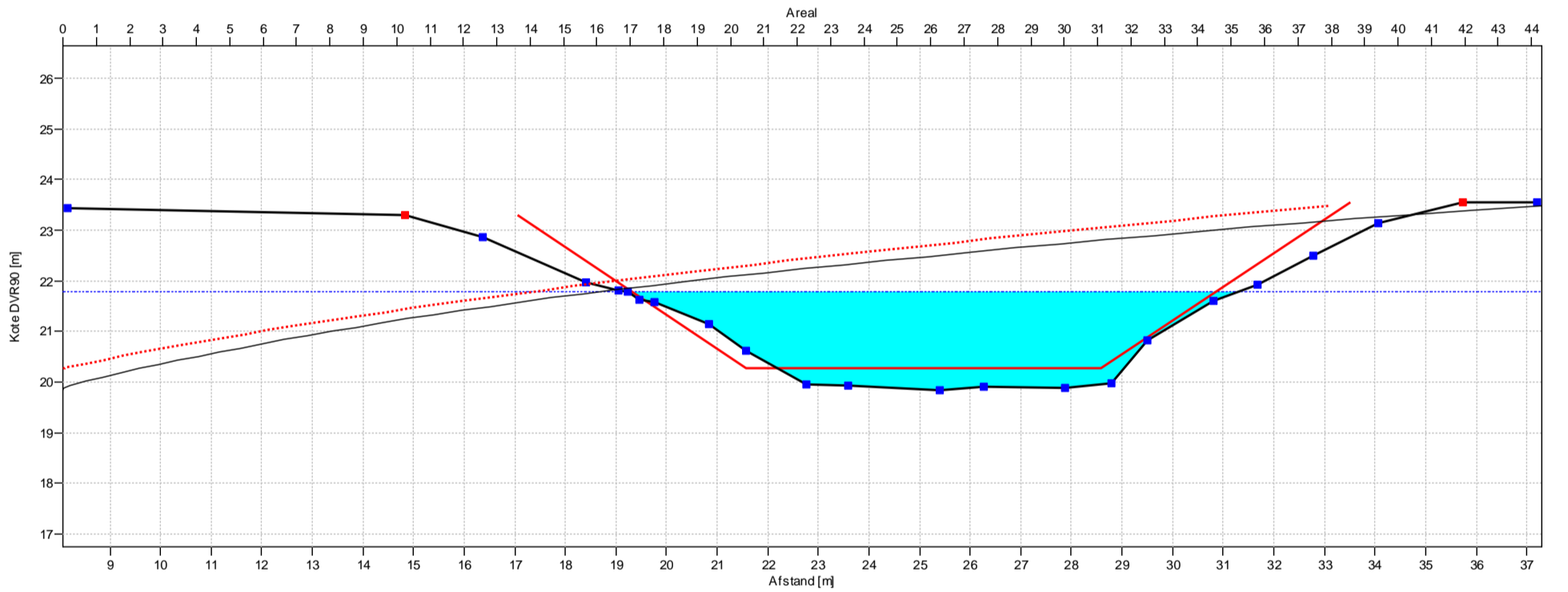


32

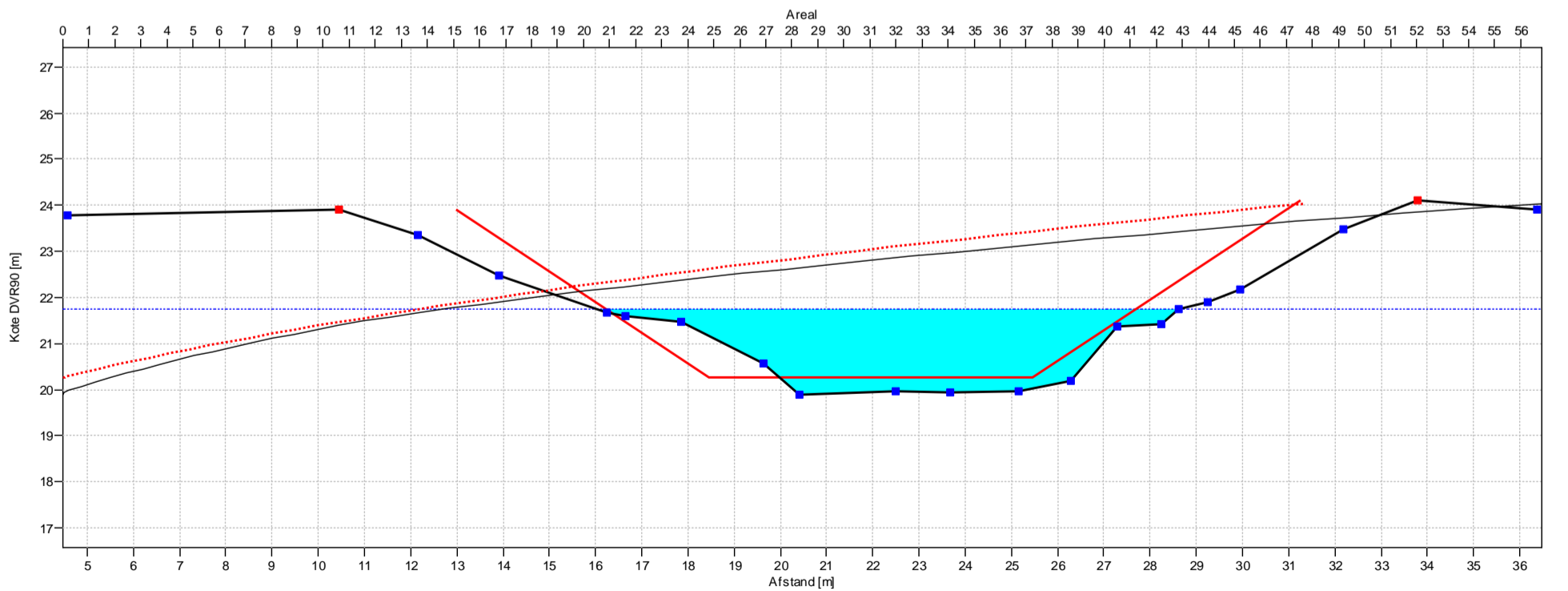
St. 21.848 m



St. 21.941 m

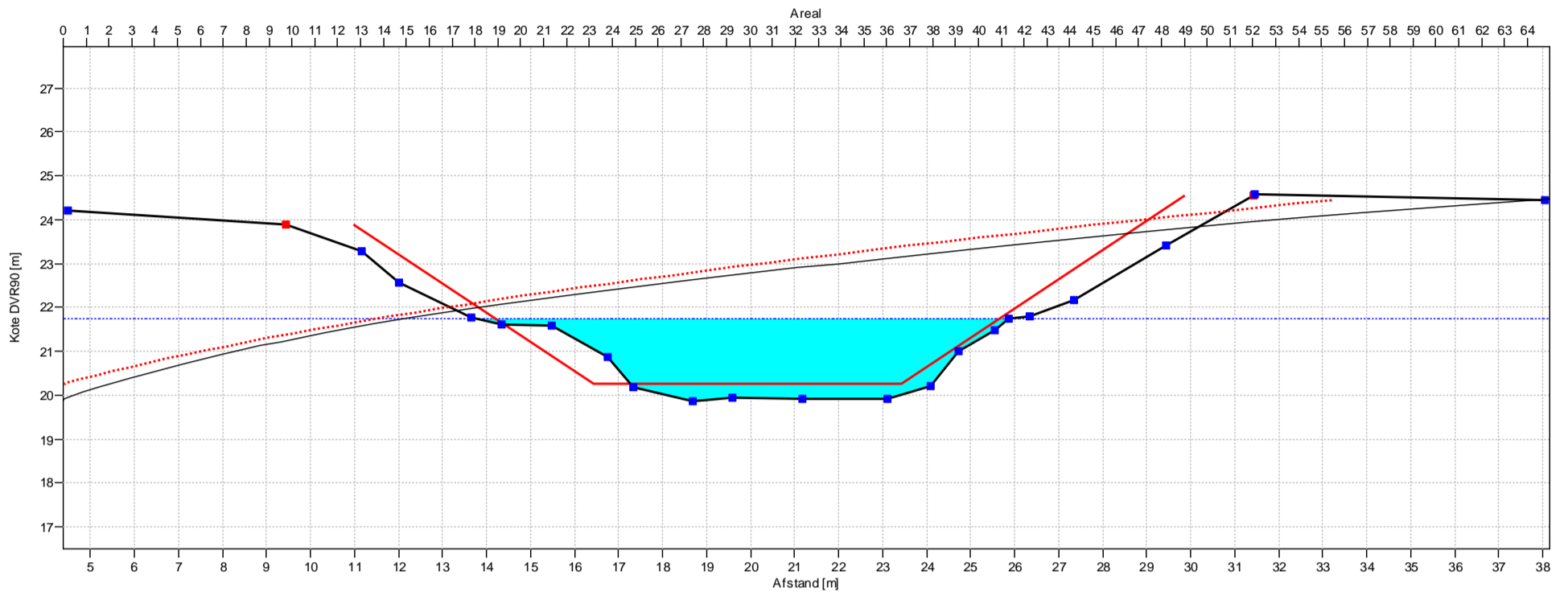


St. 22.151 m

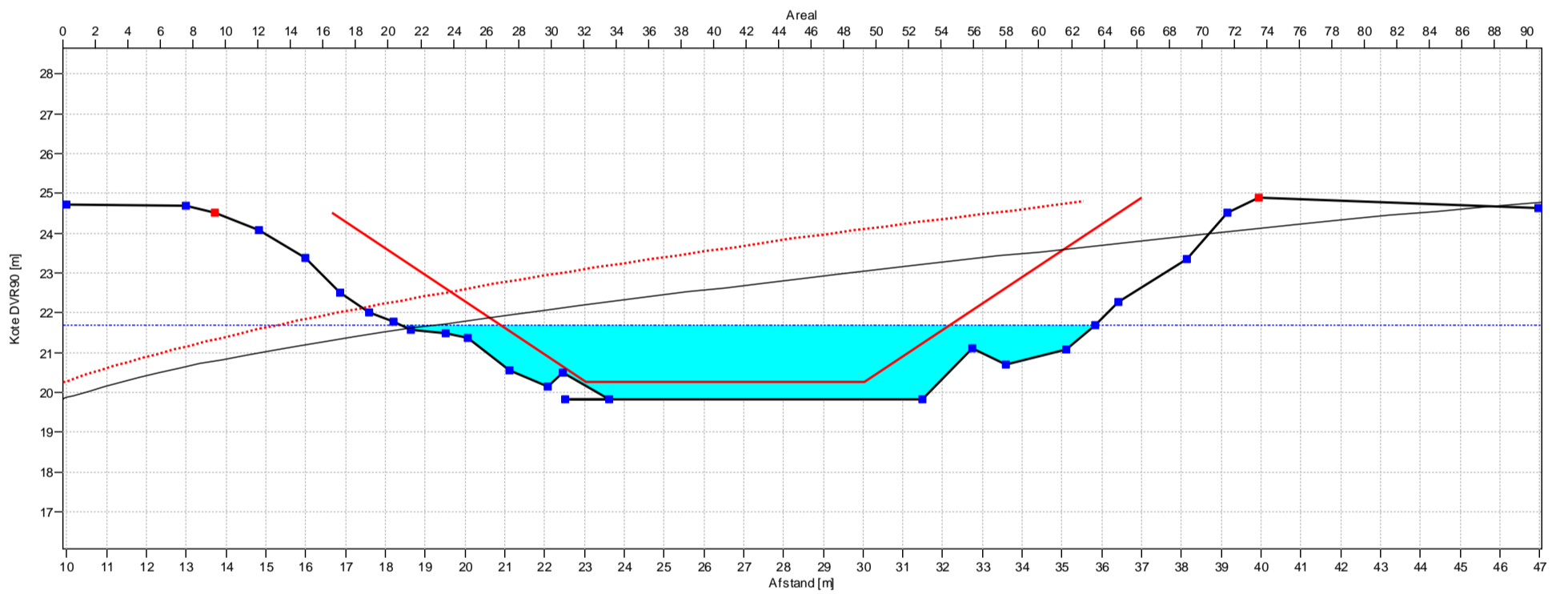


33

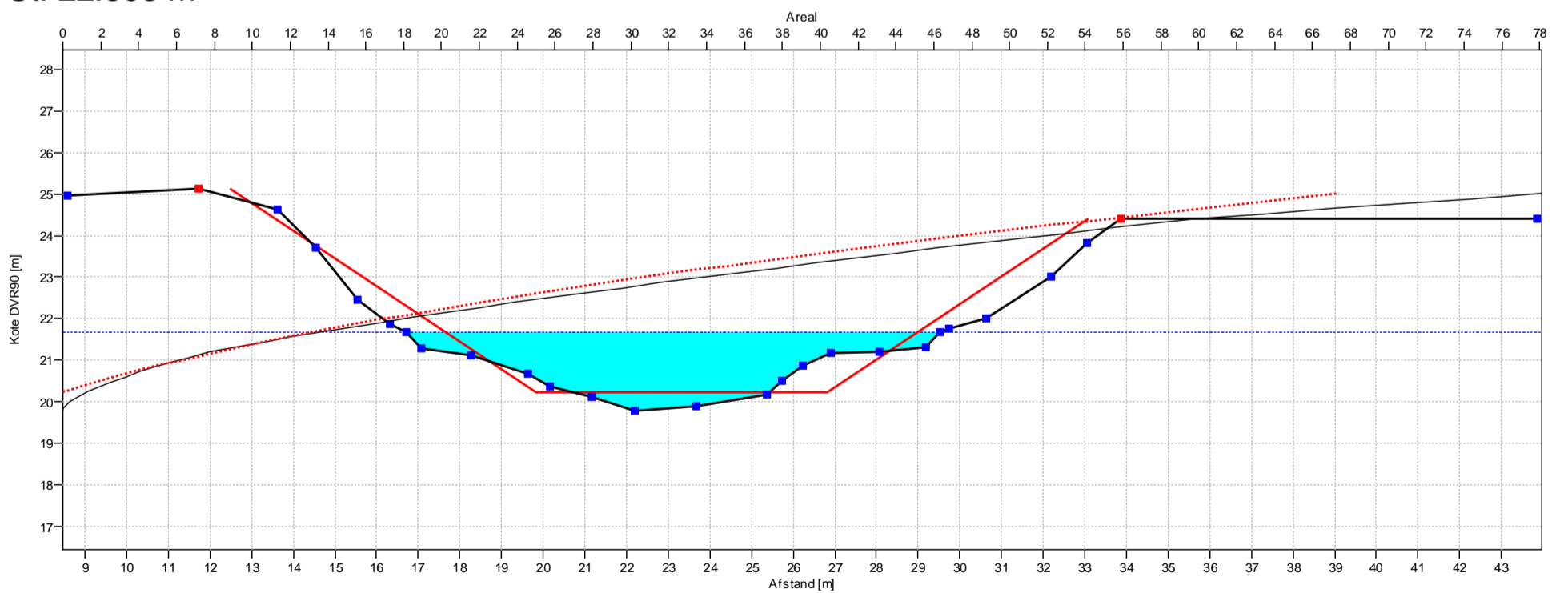
St. 22.256 m



St. 22.423 m

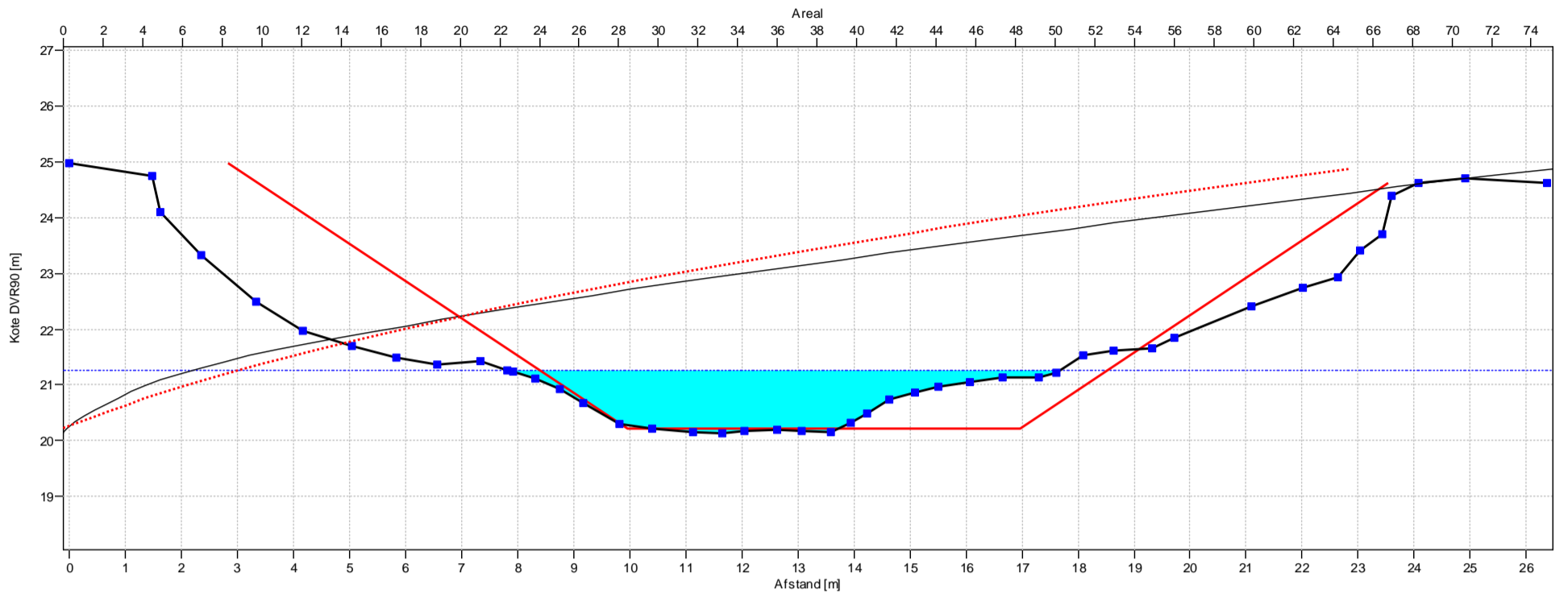


St. 22.593 m

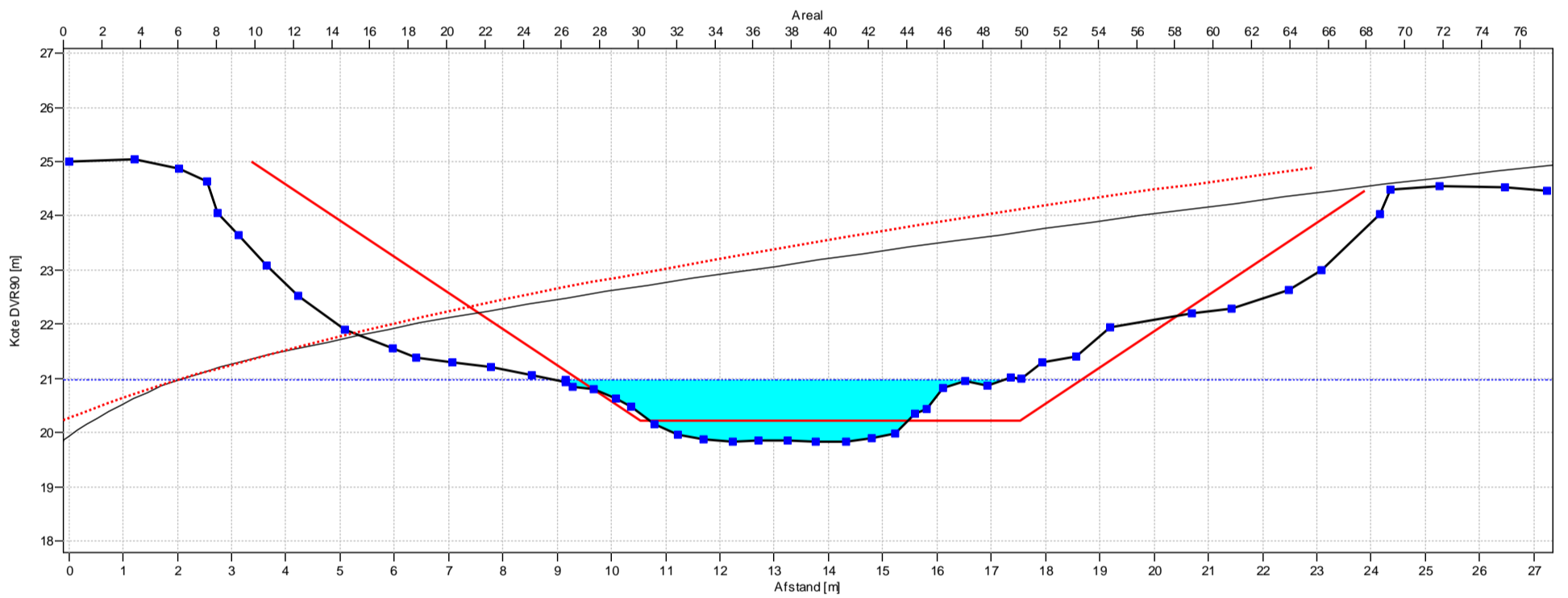


34

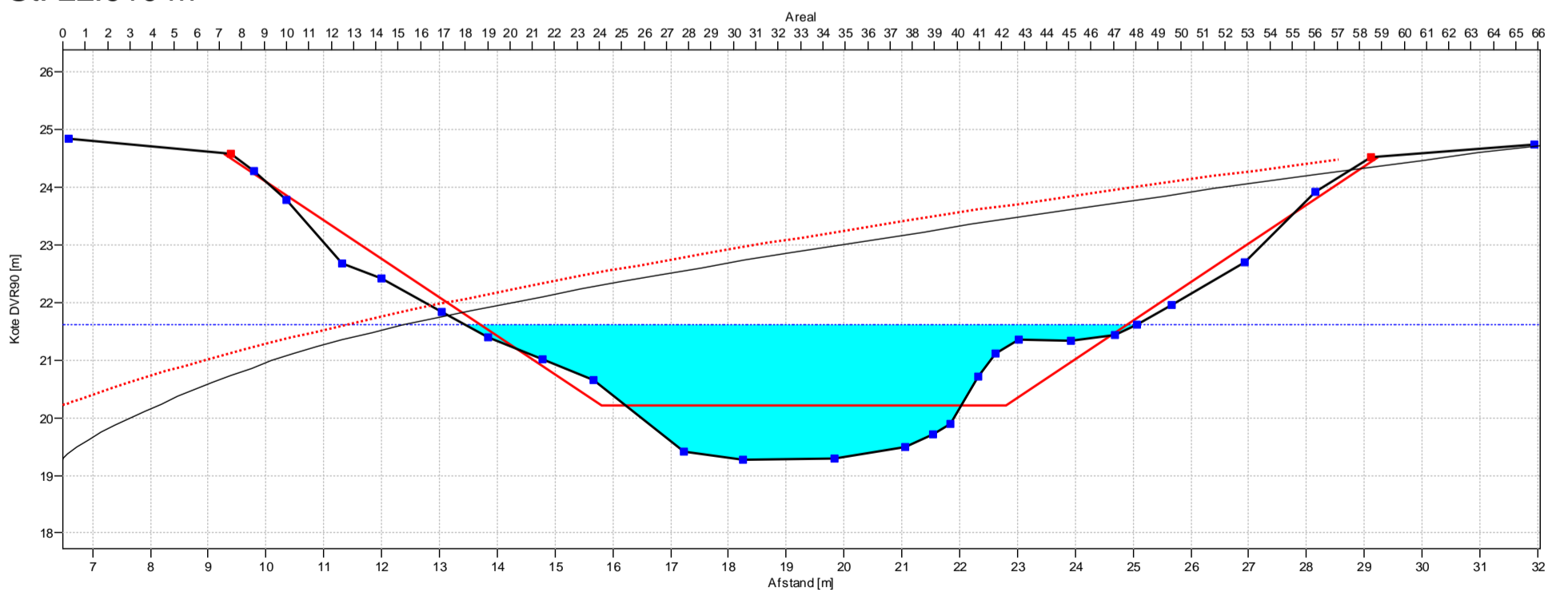
St. 22.815 m



St. 22.826 m

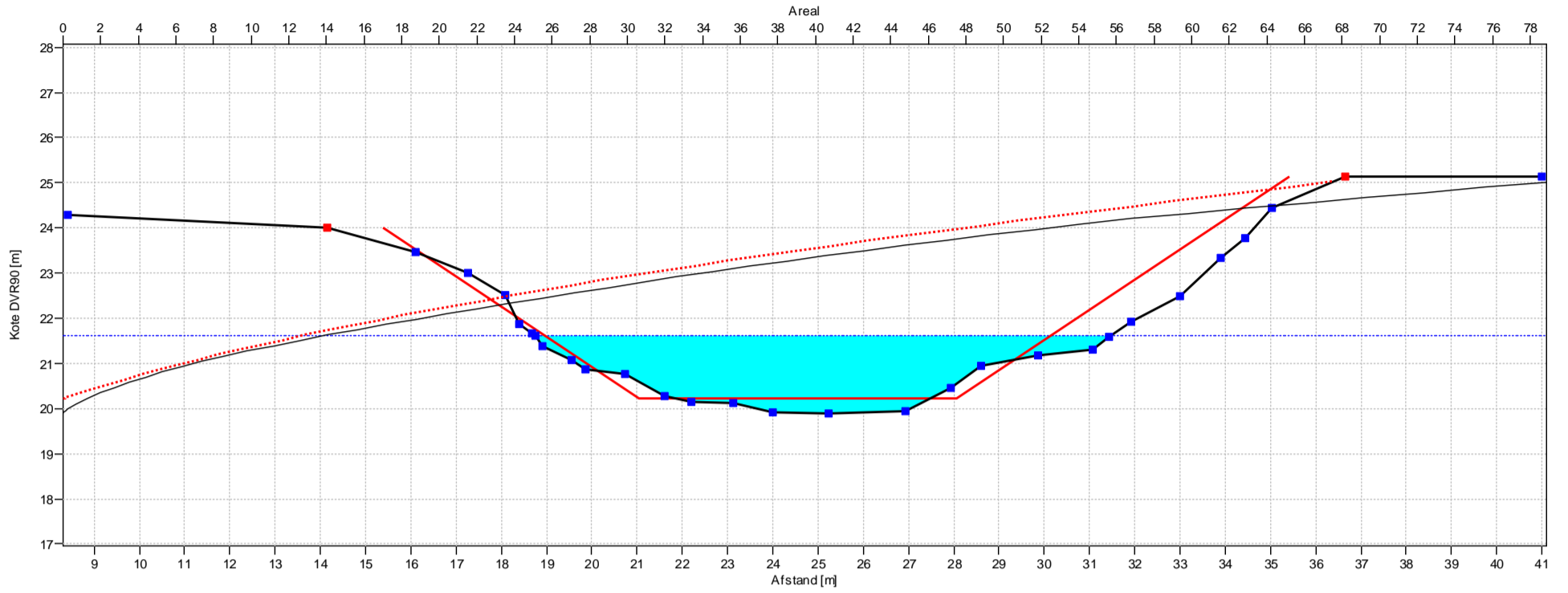


St. 22.910 m

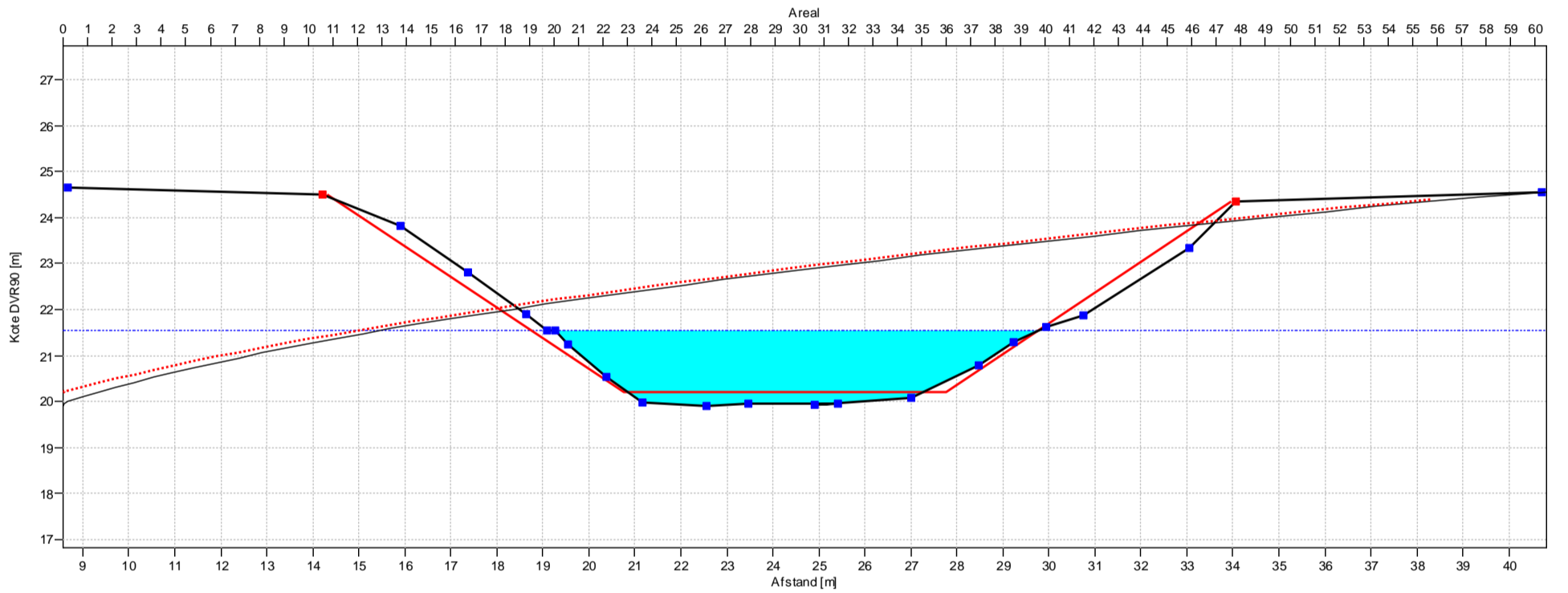


35

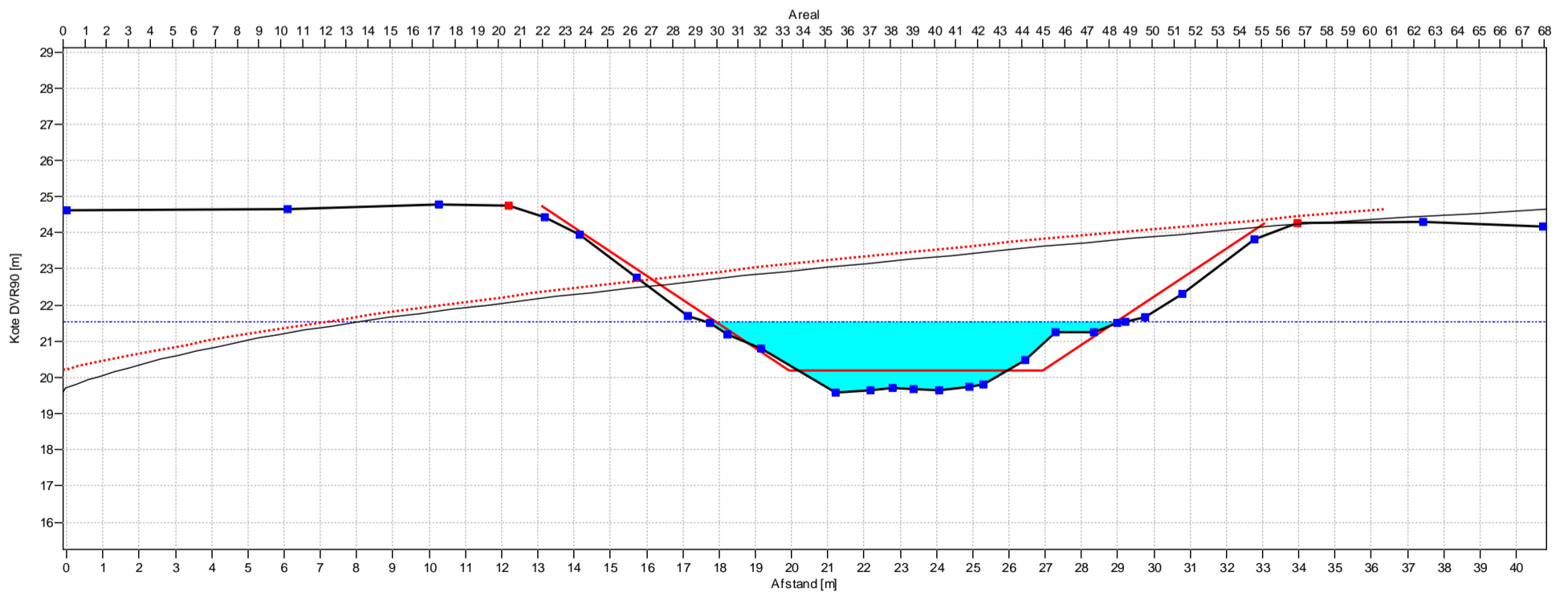
St. 23.003 m



St. 23.204 m

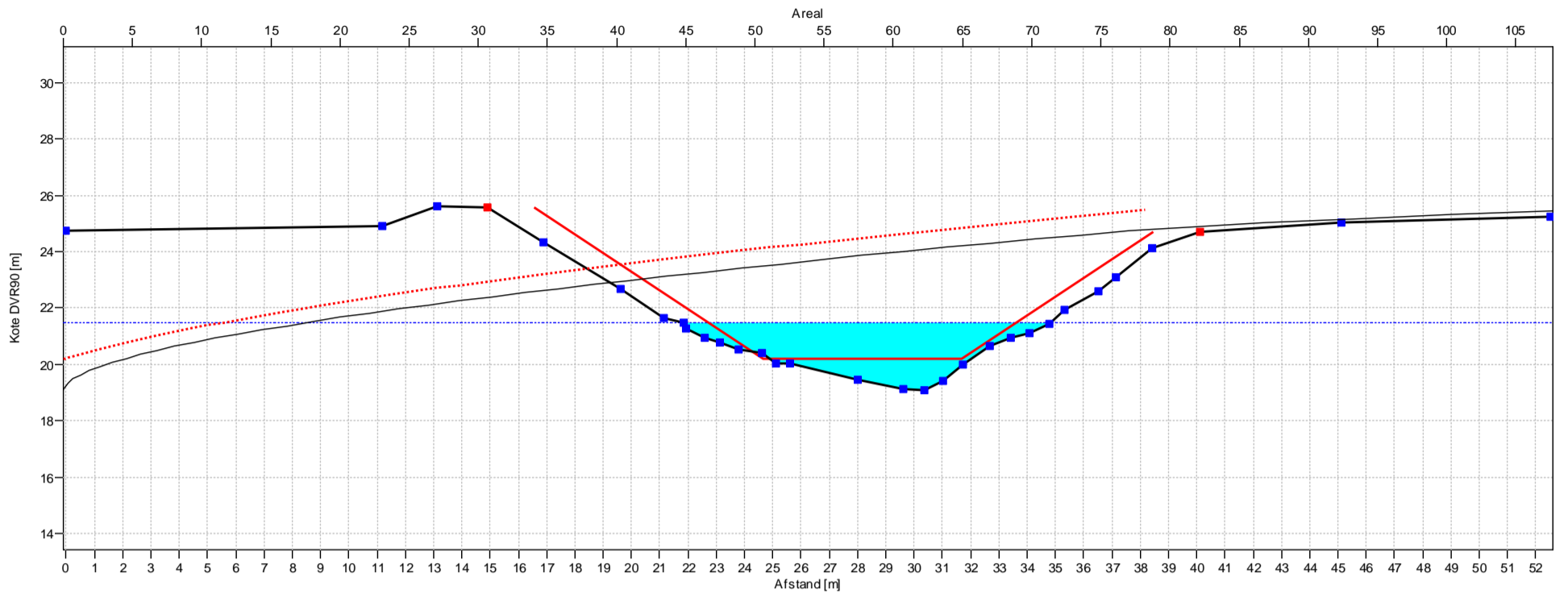


St. 23.325 m

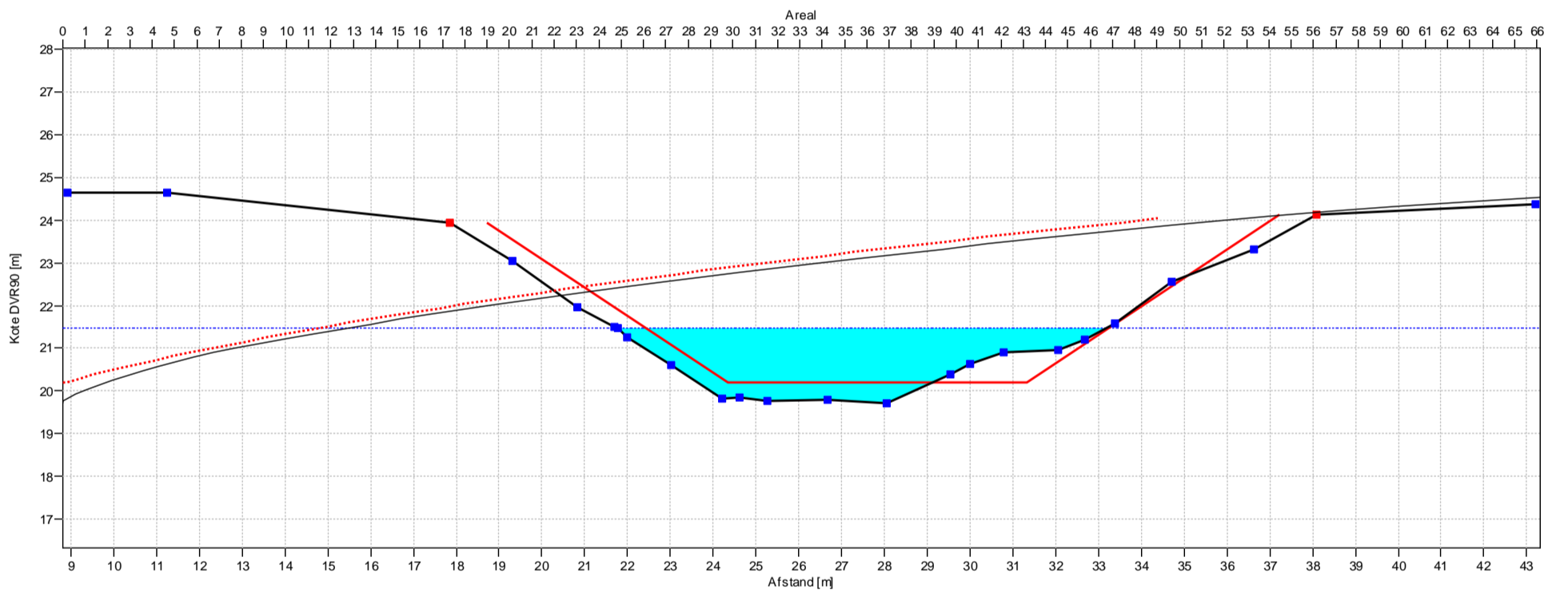


36

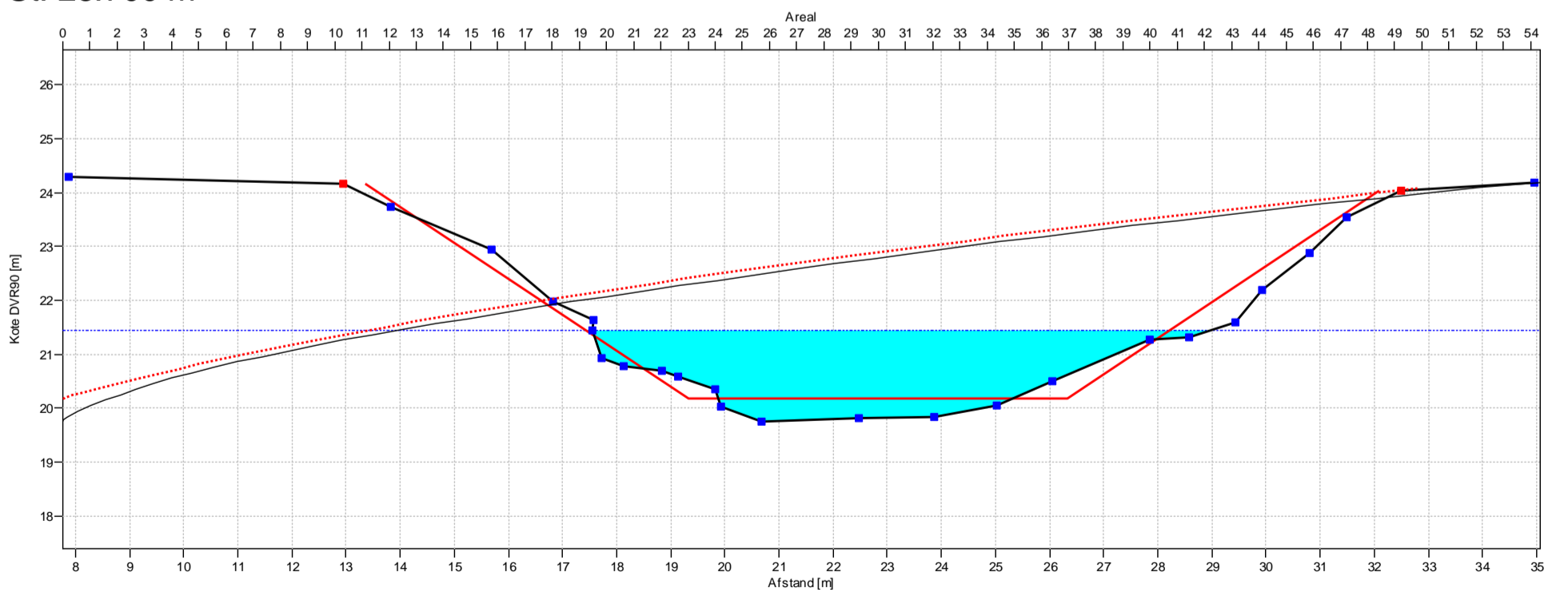
St. 23.464 m



St. 23.598 m

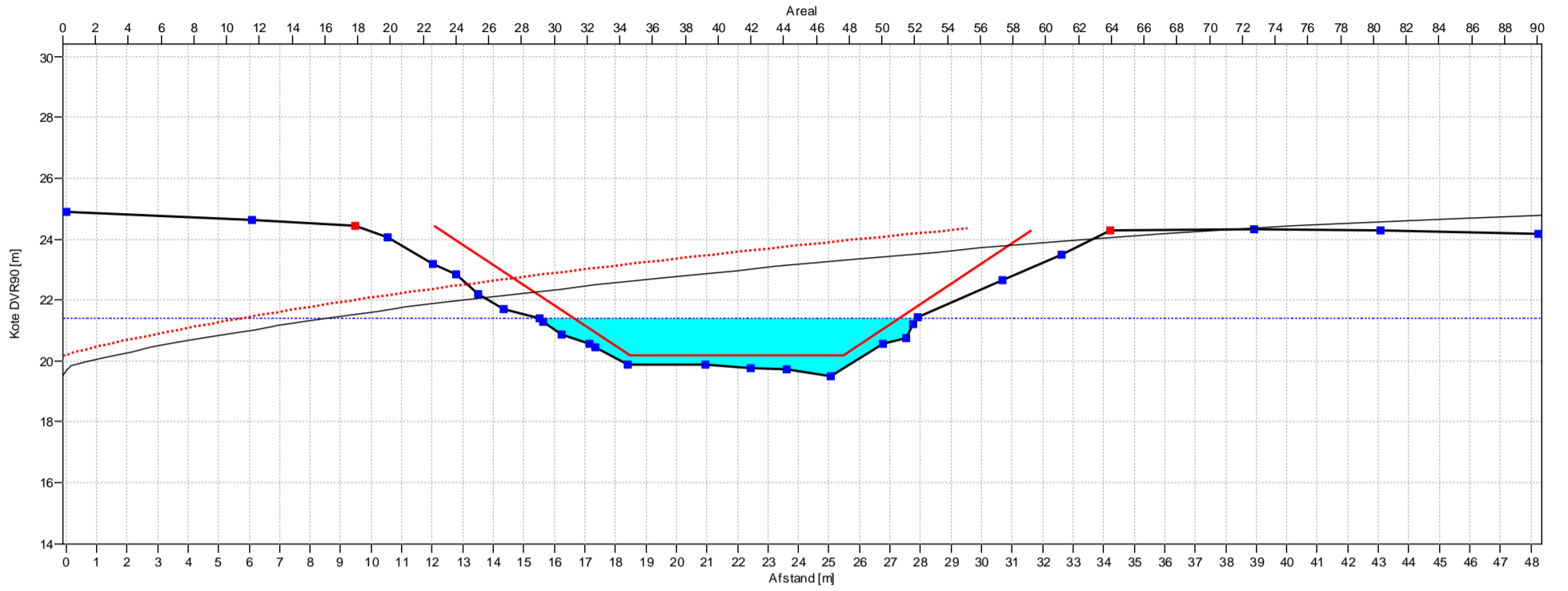


St. 23.700 m

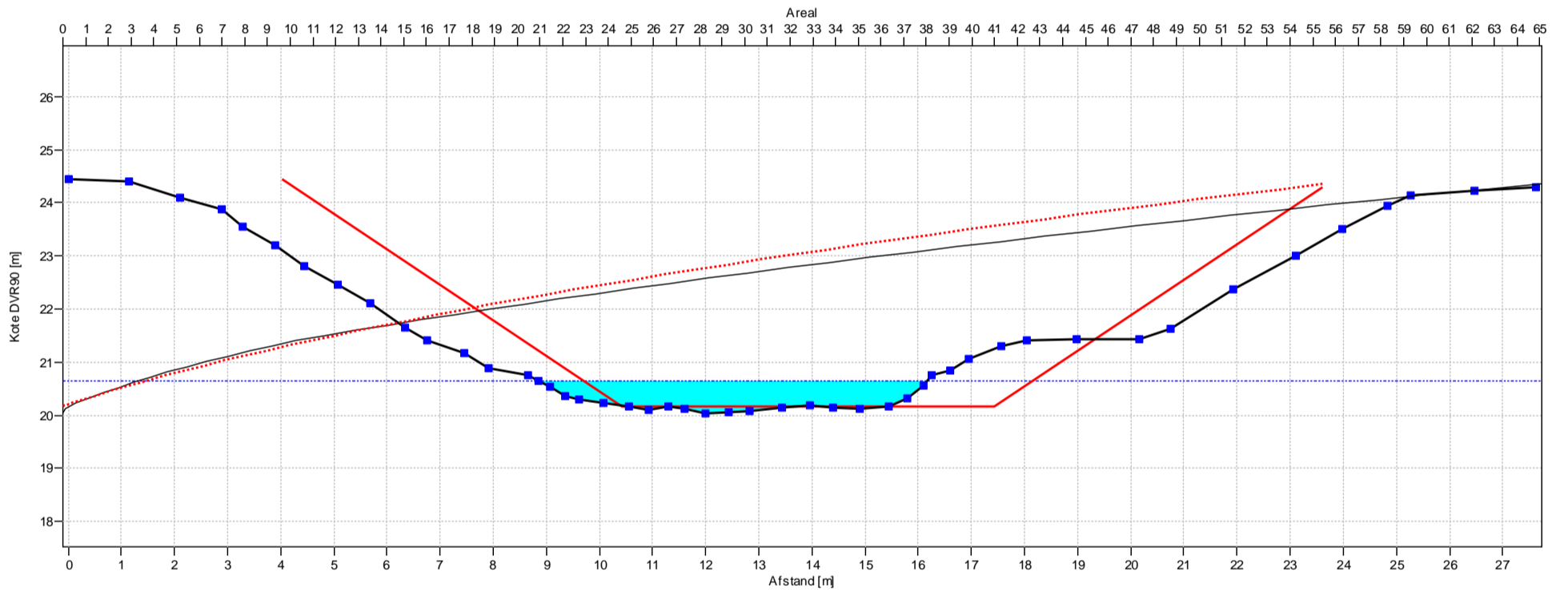


37

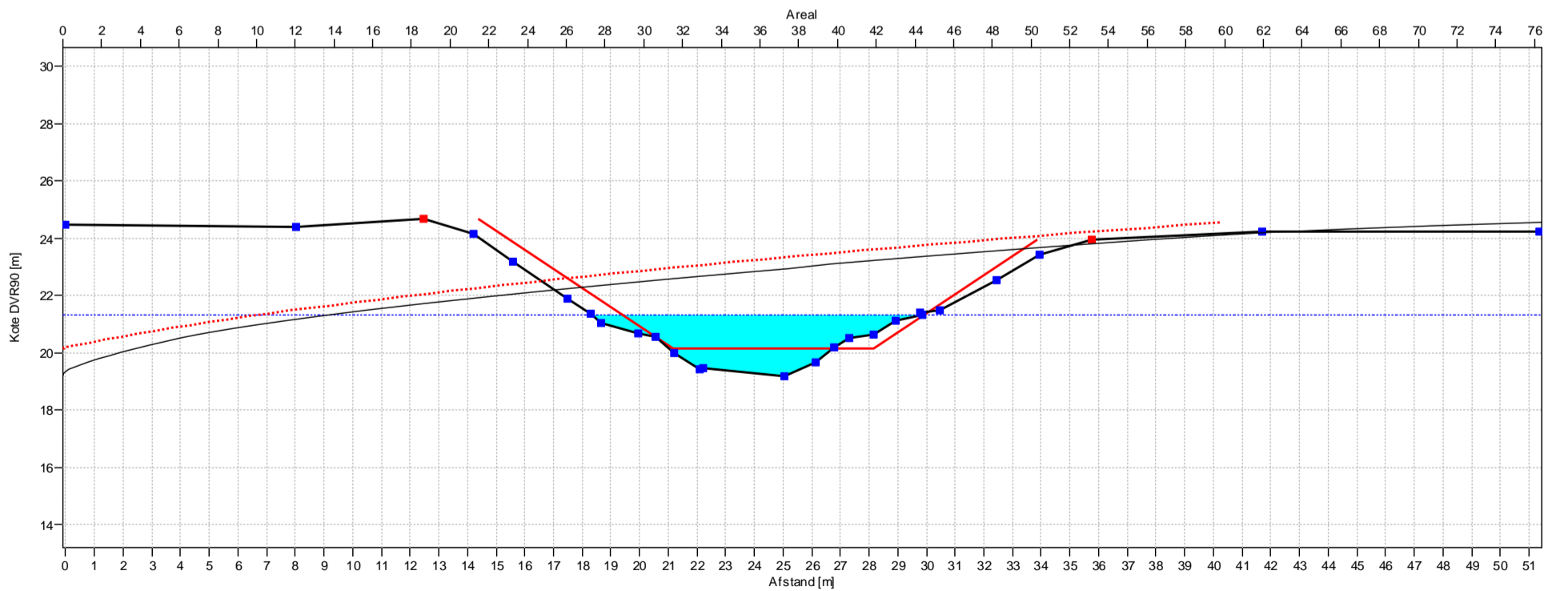
St. 23.842 m



St. 23.940 m

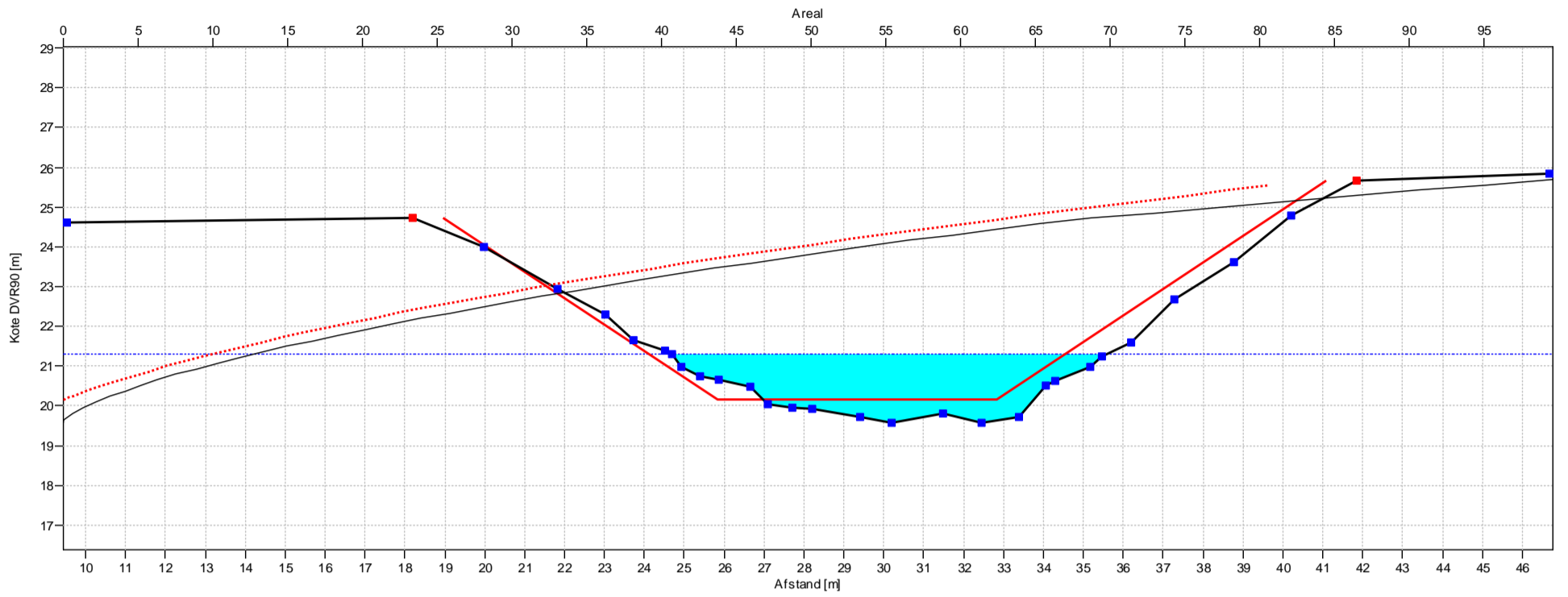


St. 24.082 m

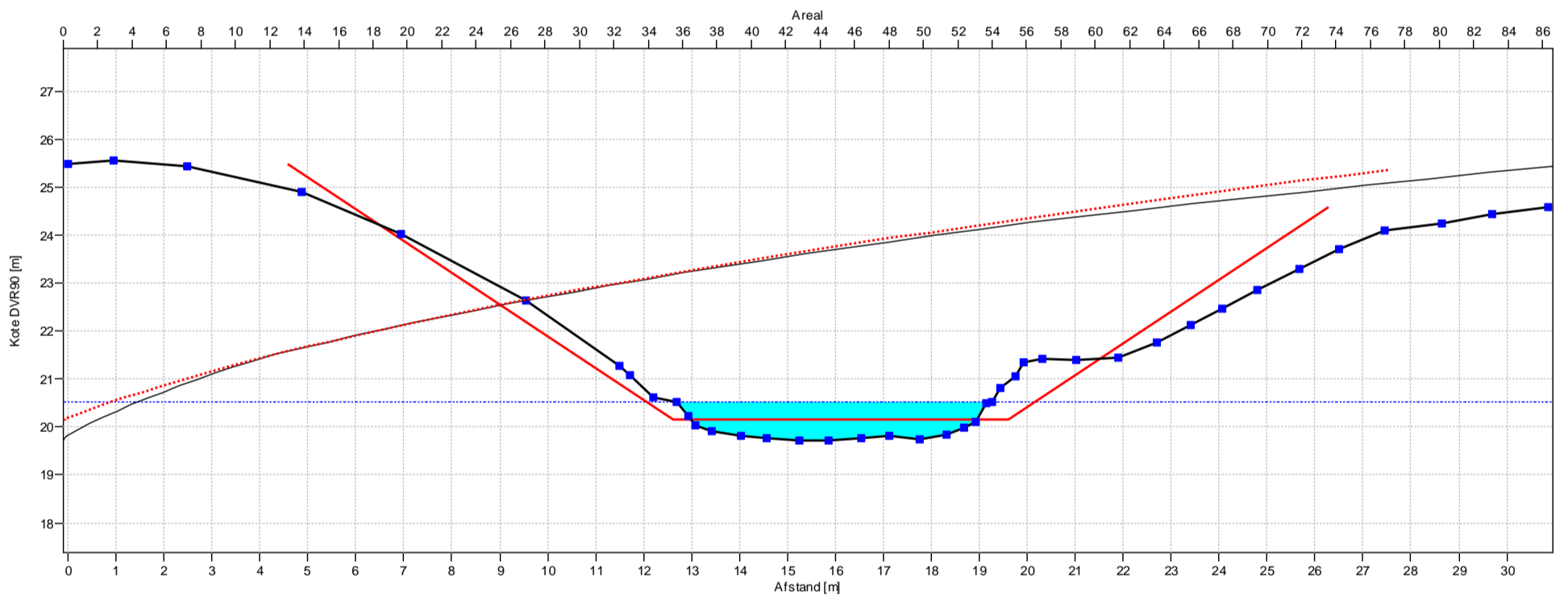


38

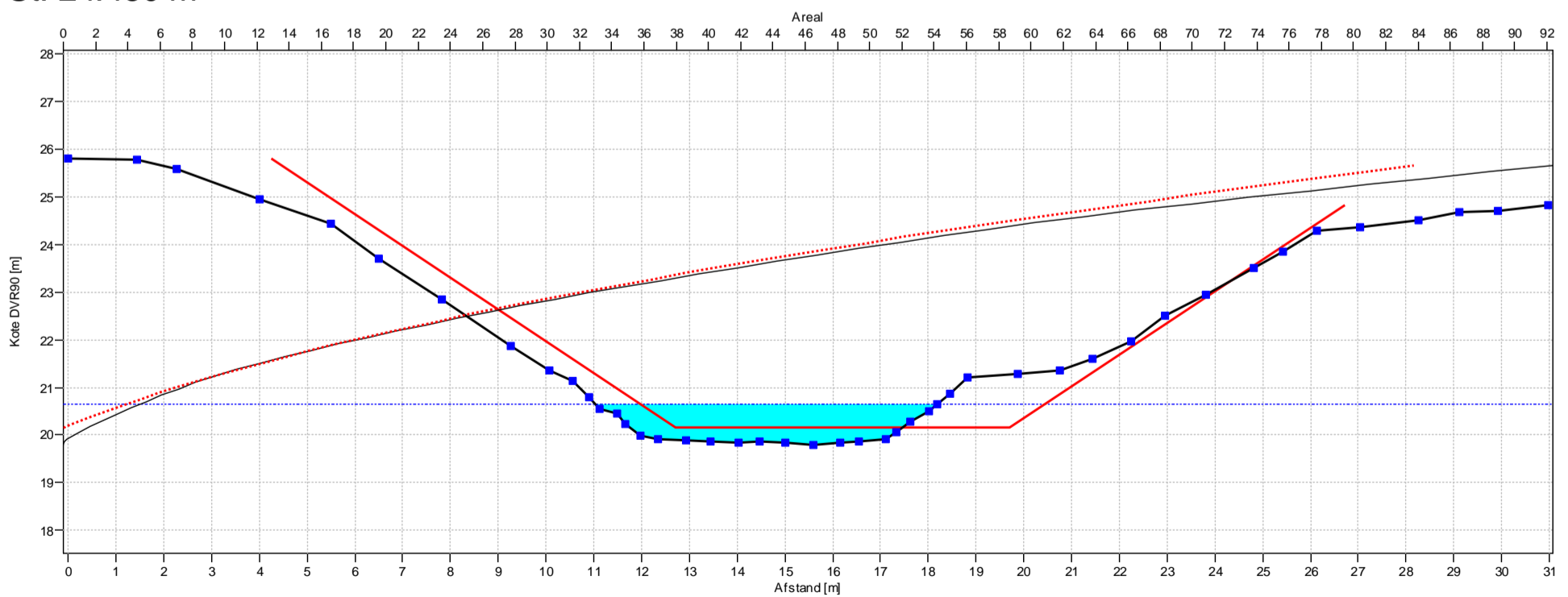
St. 24.252 m



St. 24.416 m

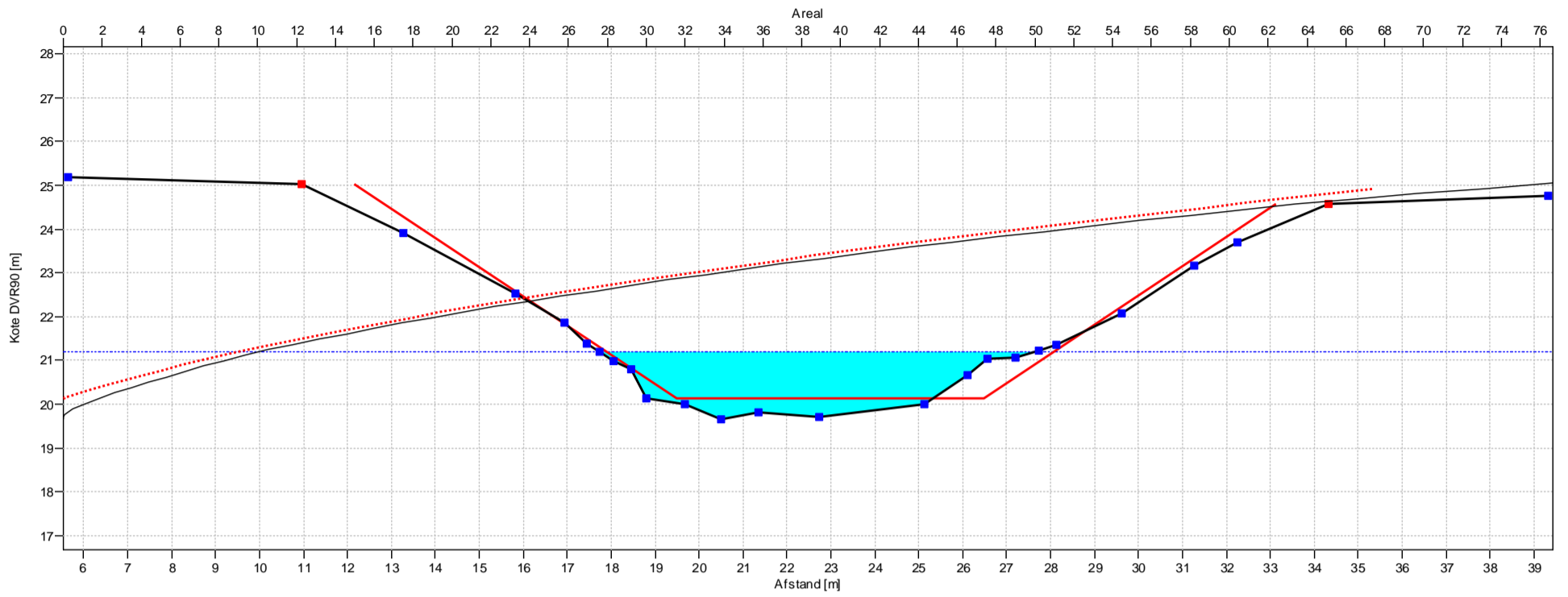


St. 24.430 m

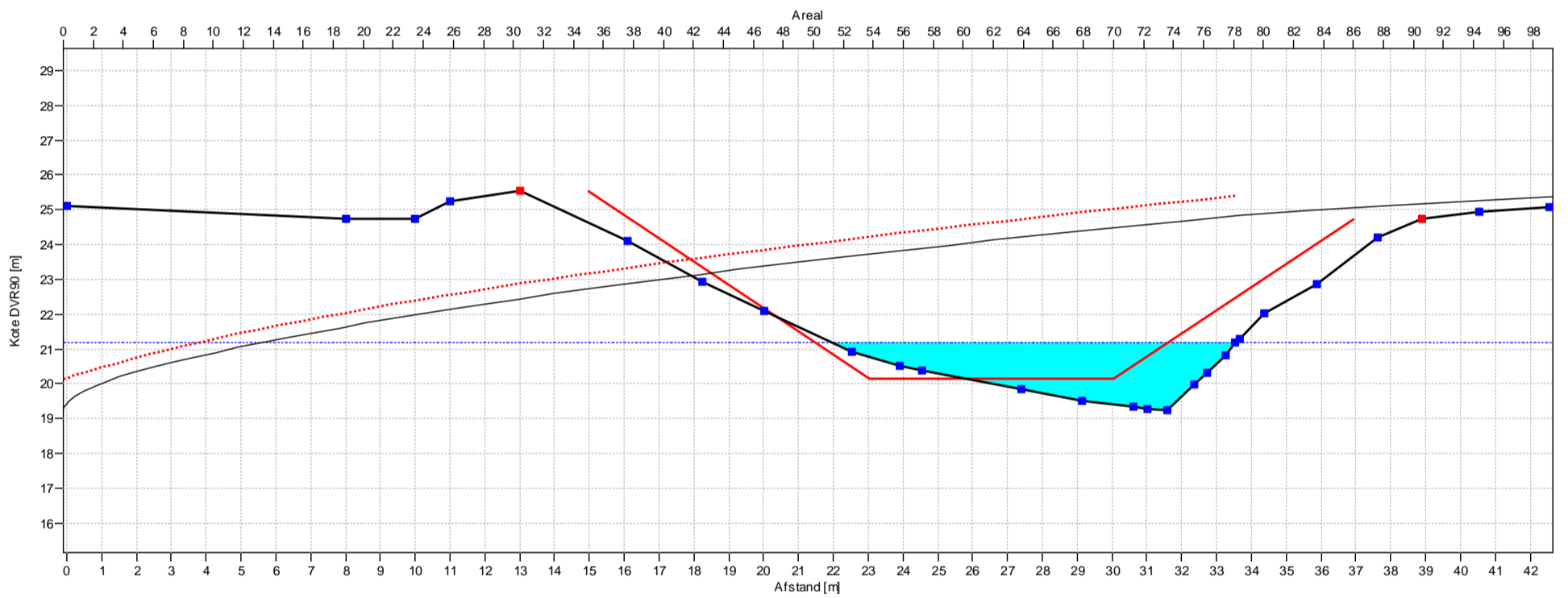


39

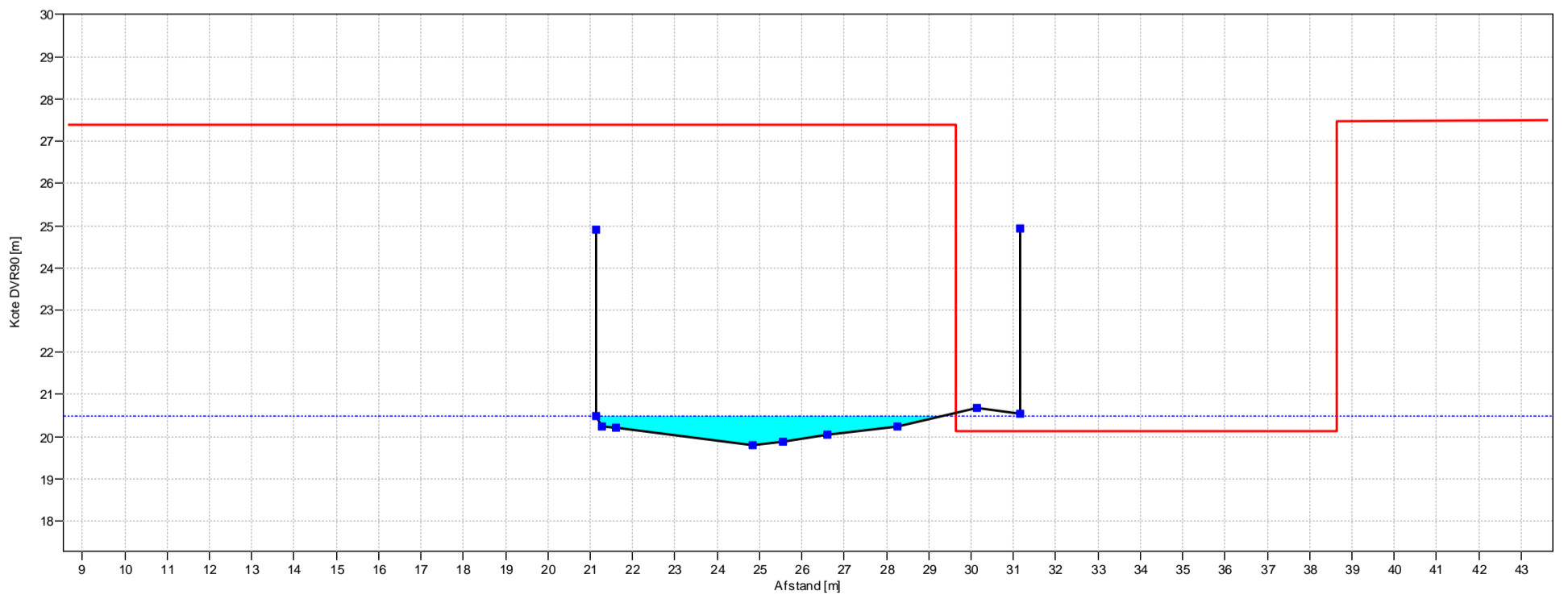
St 24.588 m



St. 24.711 m



St. 24.852 m



40

St. 24.858 m

