

SKÝRINGAUPPDRATTUR

**SKÝRINGAUPPDRATTUR**

Á SKÝRINGAUPPDRATTI HÉR TIL HLÍÐAR MÁ SJÁ FYRIRHUGAÐA UPPIBYGGINGU GAGNAVERS VÍÐ FULLNÝTNGU Á HEIMILDUM Í TILLOÐU AD NYJU DEILISKIPULAGI. VARAÁFL OG KÆLIBUNADI ER RADAD NORDANTIL Á BYGGINGAREITUM OG GAGNAVERIN SUNNATIL. ERU ÞOK HUSANNA EINHALLA, HEST VÍÐ NORDURVEGG OG STANDA VARAÁFLSVÉLAR OG KÆLIBUNADUR UNDIR NEIM NORDURVEGG OG ER GERT RAD FYRIR HLJÓDVISTARSKERNUM EFST Á BÀ VEGGI. SLIKT FYRIRKOMULAG NYTIR KÆLINGU NORDANMEGIN Í SKJÓLI AF HUSI OG NYTIR HÚSDI SEM HLJÓDSKERM GAGNVRT HÁVADAMYNDANDI STARFSSEMI. GERT ER RAD FYRIR AKTURSLEIDUM UMHVÉRFS HÚSDI MED MEGINADKOMU GESTA, STARFSMANNA OG BUNADAR FRÀ NORDRI.

**HLJÓDVIST Í DAGLEGLUM REKSTRÍ**

MYNDIRNAR BERA SAMAN BREYTINGAR Á ÁHRIFUM HLJÓDS Á NÆRUMHVÉRFI Í HEFUNDNUM REKSTRÍ GAGNAVERSINS. ÞAR ERU BORIN SAMAN: NÚVERANDI ÁHRIF (I); ÁHRIF MED UPPIBYGGING GILDANDI DEILISKIPULAGS (II) - SEM ER HÚS MERKT KEF 301; OG LOKS FULL UPPIBYGGING SKV. ÞESSARI TILLOÐU AD DEILISKIPULAGI (III). SÍÐASTA MYNDIN (IV) SÝNIR SVO SAMANBURÐ Á FYRSTU OG SÍÐUSTU MYNDINI. ÞAR SEM BLÁTT SÝNIR LÆKUN HLJÓDMENGNUNAR, OG RAUTT HÆKKUN HLJÓDMENGNUNAR FRÁ NÚVERANDI ÁSTANDI. NIÐURSTADAN SÝNIR AD MED UPPISETNINGU Á BYGGINGU KEF 301 BATNAR HLJÓDVIST SUNNAN VÍÐ LÓÐINA ALL NOKKUR. ÞEGAR SÚ BYGGING FER AD SKÝLA BYGGDINI FRÁ HÁVADAMYNDANDI ÞÁTTUM STARFSSEMINNAR, AD SAMÁ SKAPA HÆKKAR HLJÓDVISTIN SUD-AUSTAN VÍÐ LÓÐINA ÞEGAR NÝ HÚS RÍSA. SJÁ MÁ AD ADGERÐA ER ÞORF TIL AD NÁ HLJÓDSTIGI NIÐUR GAGNVRT HÚSI 1222 VÍÐ VALHALLABRAUT AD NÓTTU TIL. EN REGLUGERÐ MIDAD VÍÐ HÁMARKS HLJÓDSTIG VÍÐ HÚSVEGG 40dB. SETT ER SÚ KVÓÐ GAGNVRT KEF 301 OG KEF 501 AD TRYGGT SÉ AD FREKARI HÖNNUN TRYGGJI AD HLJÓDVISTARKRÖFUR SEU UPPFYLLTAR Í DAGLEGLUM REKSTRÍ. AD ÖDRU LEITI UPPFYLLIR DEILISKIPULAGID ALLAR REGLUGERÐARKRÖFUR VEGNA HLJÓDVISTAR Í NÆRUMHVÉRFI SINU. NÁNARI GREIN ER GERÐ FYRIR HLJÓDVIST Í GREININGU VERKFRÆÐISTOFUNNAR MANNVIT DAGS. APRIL 2023.

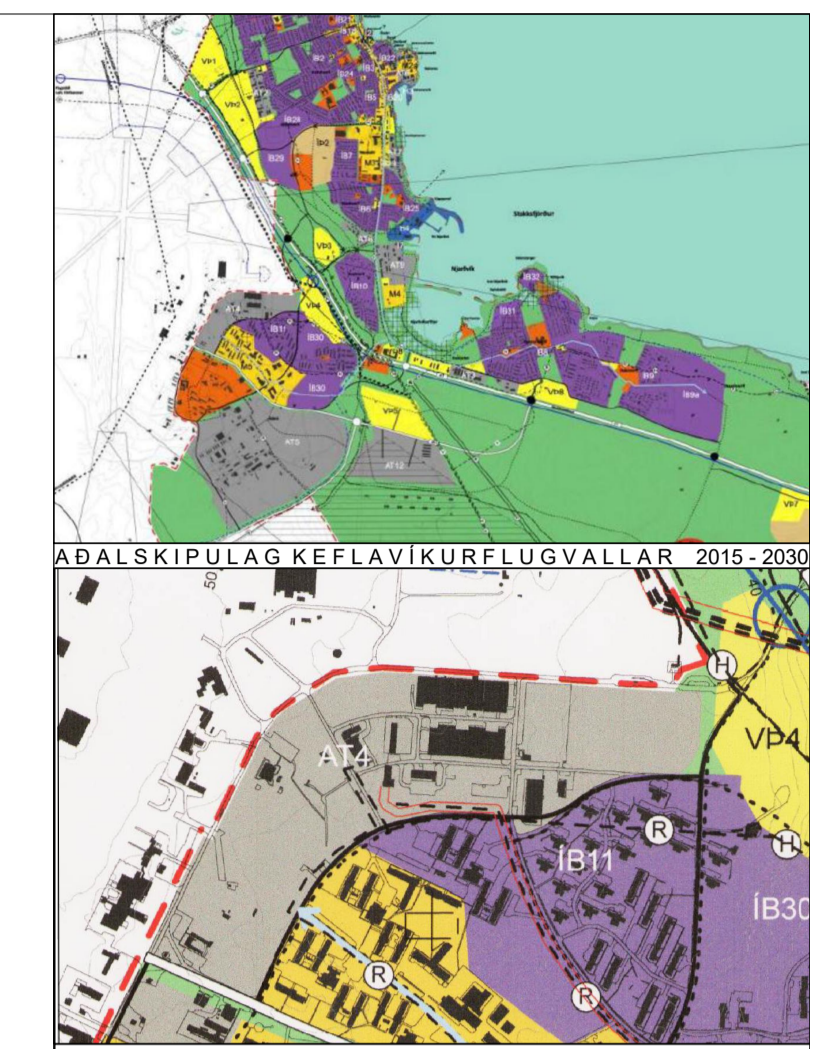
**ÚTIRYMI OG OPIN SVÆÐI**

LEITAST SKAL VÍÐ AD HÁMARKA GRÓÐURSÆLD Á LÓÐINI. VERNDA ÓSNERT SVÆÐI OG GRÆÐA UPPI ÓREKTAERSVÆÐI EÐA RÓSKUD SVÆÐI MED VÍÐHALDSFRÍUM GRÓÐRI. LEITAST SKAL VÍÐ AD NYTA TRJAGRÓÐUR TIL AD MILDA YFIRBRAGÐ BYGGINGA Á SVÆÐINU. KVÓÐ ER UM TRJAGRÓÐUR Á SUDURMÖRKUM LÓÐAR, ÞAR SEM ÞVÍ ER VÍÐKOMIÐ GAGNVRT NÆRLIGGJANDI ÍBÚÐABYGGÐ. GÆTA SKAL AD ÞVÍ, VÍÐ LYSINGU Á SVÆÐINU AD EKKI VERÐI LJÓSMENGUN GAGNVRT ÍBÚUM Í NAGRENINU, M.A. MED ÞVÍ AD FORDAST ALMIENNA FLÓDYSINGU.

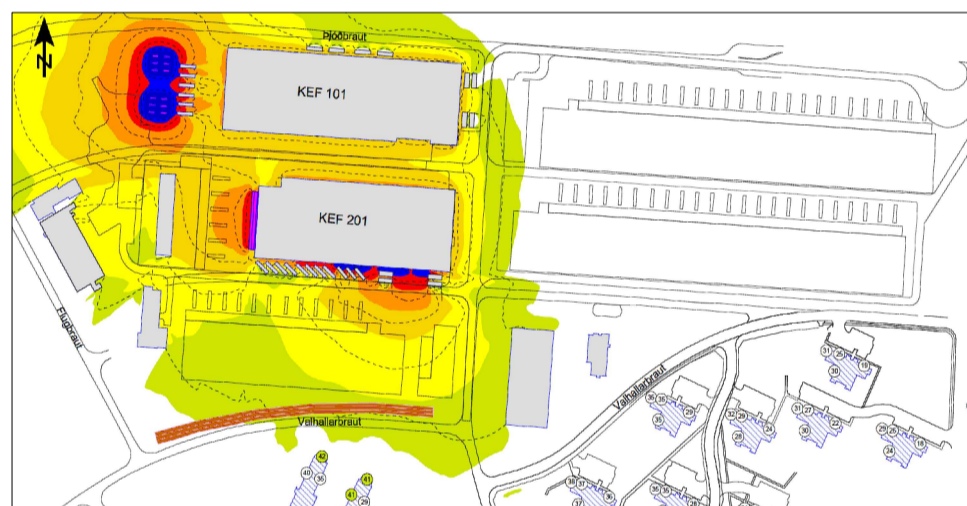
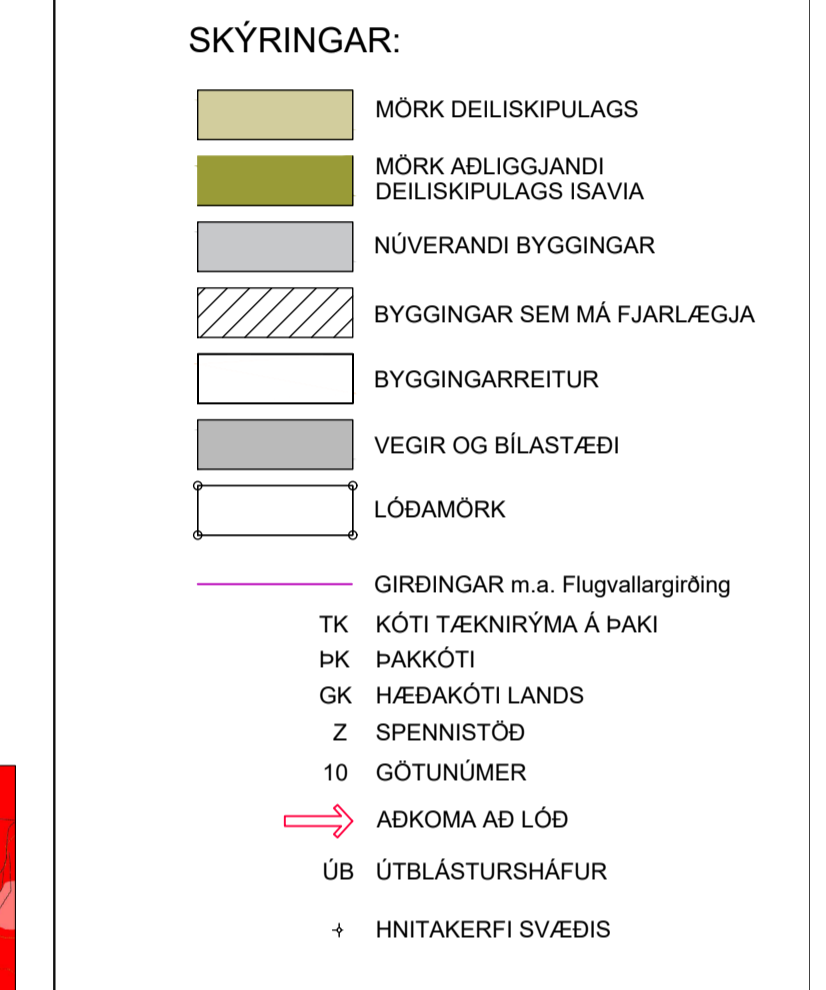
ÞAR SEM ÞVÍ ER VÍÐKOMIÐ ALMENN, EN SÉRSTAKLEGA Á VEGUM SEM GEGNA EINHUNGIS ÖRYGGIS- OG VÍÐHALDSHLUTVERKI SKAL MÍÐA VÍÐ AD NOTA ECORASTER EÐA SAMBÆRILEGAR GEGNDRÆPAR FYRIBORÐSLAUSNIR. SOMULEIDIS SKULU 50% BÍLASTEÐA VERA ÚTBUN MED SLÍKUM LAUSNUM.

**AVÖTUNUN LÓÐAR**

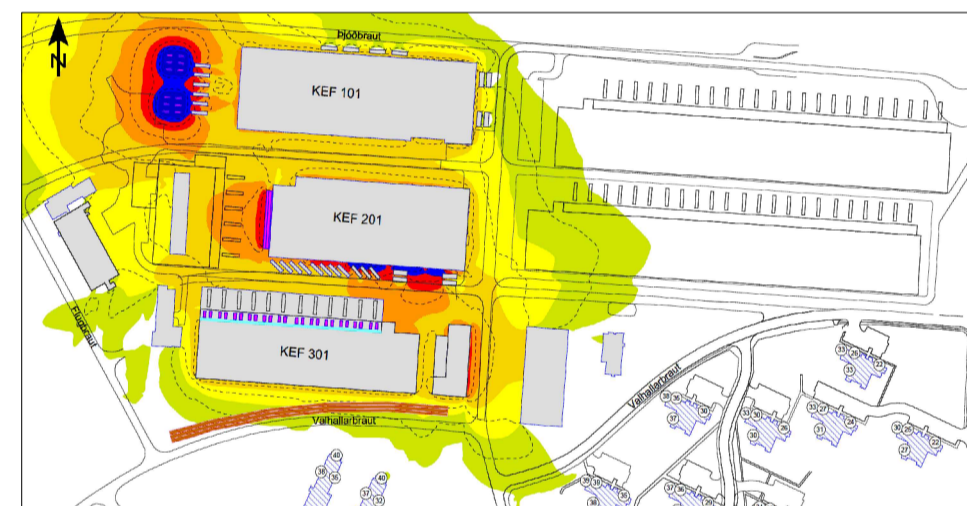
AFVÖTUN SYÐSTA HLUTA SVÆÐISINS VERÐUR ÞANNIG AD VATNIÐ BERST EFTIR OFANVATNSRÁSUN SUNNAN VÍÐ KEF301 TIL AUSTURS OG TENGIST RÆSIRÓRI SEM LIGGUR TIL SUDAUSTURS UNDIR SUDUR HEIMREIDINA AD VERNE. Í DAG VIRÐIST ÞESSI PÍPA LENDA NIÐUR GRAFIN Í BÍLASTEÐAPLANI VÍÐ VALHALLARBRAUT 890 EN Á AD LENDA ÞAR Í OFANVATNSRÁS OG ÆTLAR REYKJANESBÆR AD SJÁ TIL ÞESS AD ÞESSI VATNSRÁS SÉ OPIN EÐA LÖGNIN FRAMLENGÐ Í OPNA RÁS. TIL AD VERJA BYGGINGU KEF301 FYRIR ASAHÁKU VERÐUR LÖGÐ 0400 MM REGNVATNSLÖGN UNDIR ÁÐUR NEFNDRÍ OFANVATNSRÁS TENGÐ NIÐURFÖLLUM MED KÚLURISTUM TIL AD GRIPA YFIRBORÐSVATN. ÞESSI LÖGN FYLGIR OFANVATNSRÁSINI ÞAR TIL HUN BEYGR TIL SUDAUSTURS. ÞADAN MUN PÍPAN LIGGJA ÞVERT FYR SUDURHEIMREIDINA AD VERNE OG SIDAN TIL NORDURS SAMSÍÐA HEIMREIDINI AD ÁÐUR NEFNDRÍ SKURÐI RÉTT SUNNAN VÍÐ BYGGINGU 878A. REYKJANESBÆR MUN LOKA RÆSIRÓRI SEM Í DAG LIGGUR FRÁ LÓÐINI VESTAN VÍÐ VERNE MED VARANLEGUM HÆTTI. Í DAG HEFUR Á EINHVÉRUM TÍMAPUNKTI VERIÐ MOKAD YFIR HANA VESTAN VÍÐ FLUGBRAUT OG HEFUR ÞAD ÁSTAND VARAD Í AMK NOKKUR ÁR. RÆTT HEFUR VERIÐ UM AD REYKJANESBÆR LEGGI RÆSI FRÁ SVÆÐINU VESTAN VÍÐ VERNE UNDIR VALHALLARBRAUT Í STAÐ ÞERRAR SEM ÁÐUR TENGDIST INN Á LÓÐ VERNE.



ADALSKIPULAG KEFLAVÍKURFLUGVALLAR 2015 - 2030



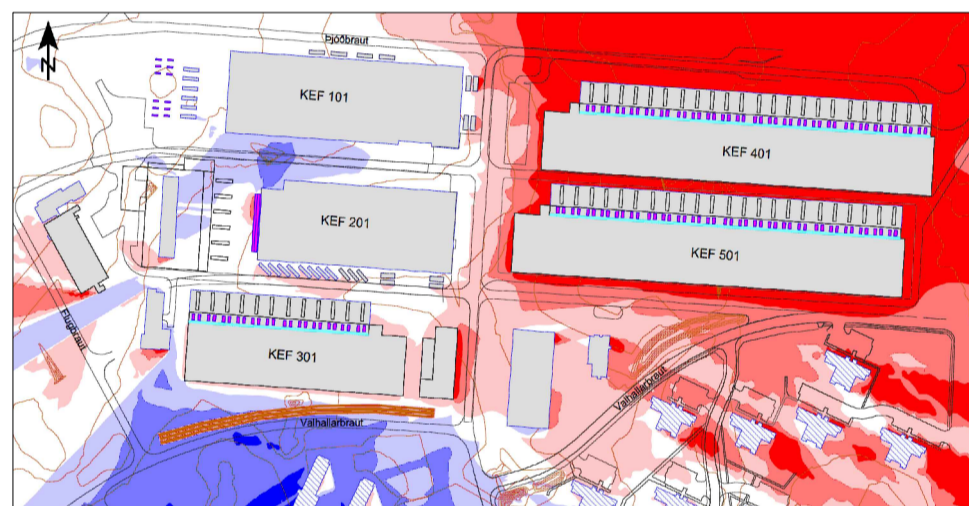
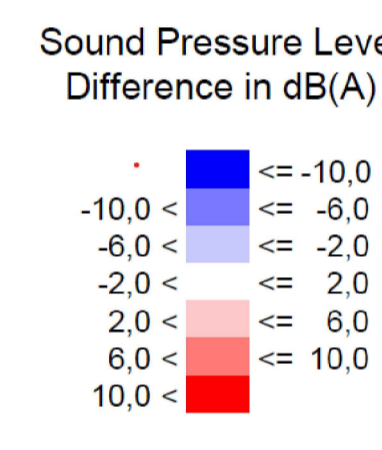
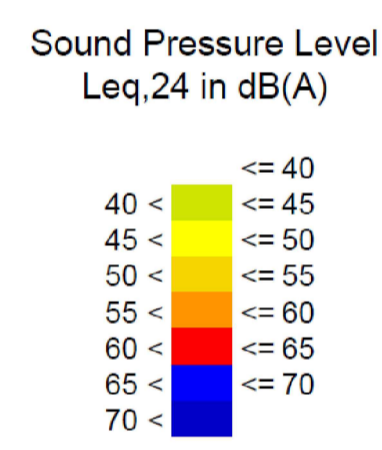
I. NÚV. ÁSTAND - REGLULEG STARFSSEMI



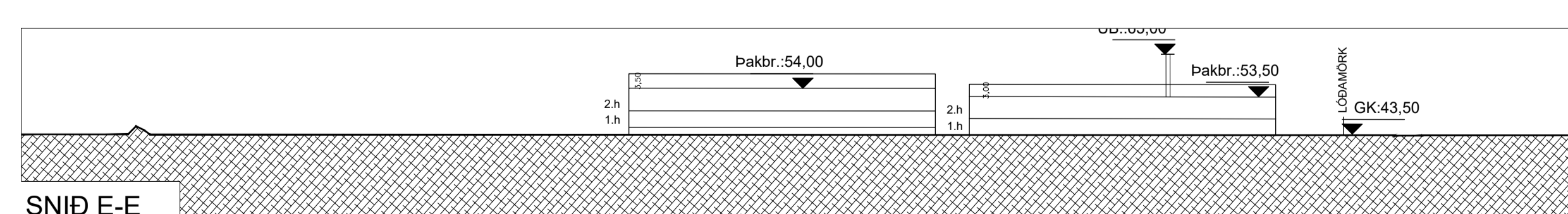
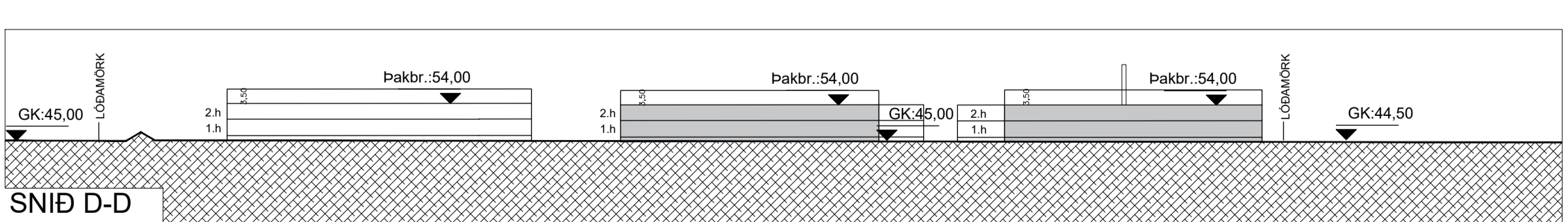
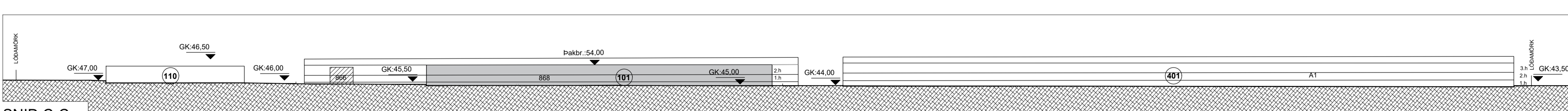
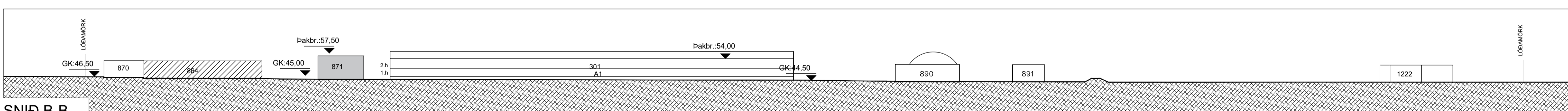
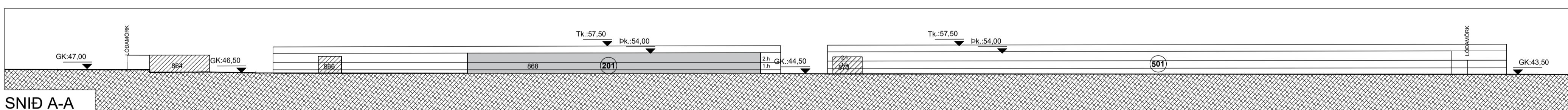
II. NÚG. DEILISK. - REGLULEG STARFSSEMI



III. TILL. AF DEILISK. - REGLULEG STARFSSEMI



IV. MISM. Í HÁVADA MILLI I OG III



**TILVÍSANIR:**

Þetta deiliskipulag byggir á: ADALSKIPULAG KEFLAVÍKURFLUGVALLAR 2015 - 2030

Deiliskipulagsbreyting þessi, sem fengið hefur meðferð í samræmi við ákvæði 2. mgr. 43 gr. skipulagslaga nr. 123/2010, var samþykkt í á \_\_\_\_\_ þann \_\_\_\_\_ 20\_\_.

Til samræmi við heimild í 3. mgr. 44. gr. i.f. var breytingin ekki grenndarkynt þar sem hún varðaði ekki hagsmuni annarra en Reykjanesbæjar og umsjákjanda.

Auglýsing um gildistöku breytingarinnar var birt í B-deild Stjórnartíðinda þann \_\_\_\_\_ 20\_\_.

BREYTINGAR.

**T.ark**  
ARKITEKTAR  
HÁTÚNI 2b - 105 REYKJAVÍK  
SÍMI: 540 5700  
tark@tark.is - www.tark.is

VERKHEITI: **VALHALLABRAUT 868**  
Deiliskipulag  
Reykjanesbæ / Keflavíkurlflugvelli

VERK: **DEILISKIPULAGSUPPDRATTUR**  
Sníð og skýringamyndir

MÁL: 1:2000 / 1:1500 sníð @ A1      DAGS: 15.05.2023  
HANNAD: HE      TEIKNAD: HE  
YFIRFARID: ISC  
VERKNUMER: 639-868      FL. TEIKNINGANUMER: 04      GTG: 0.1-11

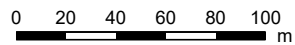
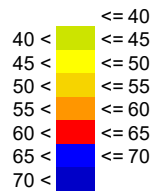
SAMP.



**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Current situation.

Normal operation.

KEF 101 and 201 in operation.

No backup power generators running.

Limits for noise  
 At site boundary: 70 dB(A)  
 Outside residential buildings  
 Daytime (07-19): 50 dB(A)  
 Evening (19-23): 45 dB(A)  
 Night (23-07): 40 dB(A)

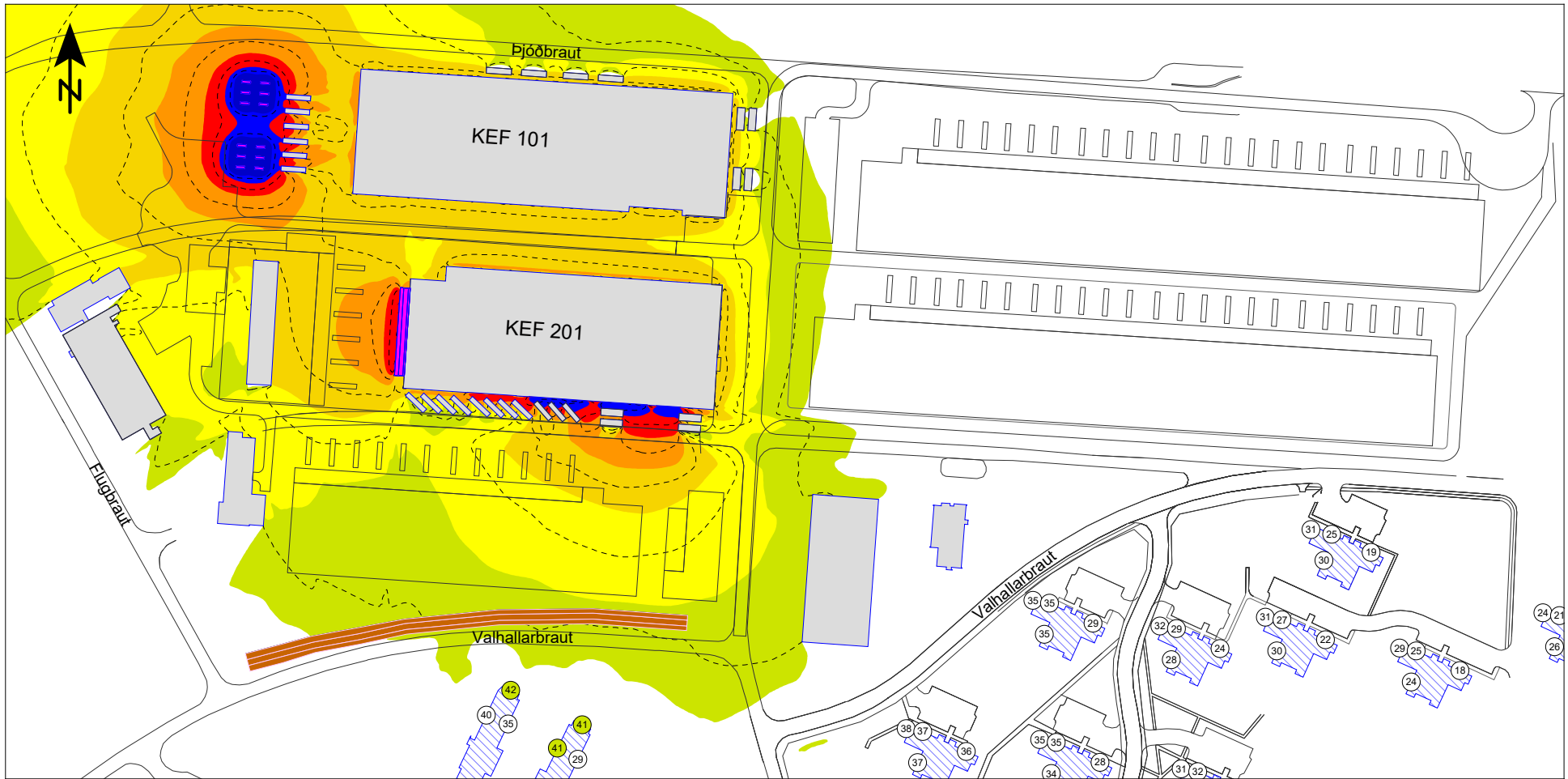
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 1 of 10  
 Author: GBJ  
 April 2023

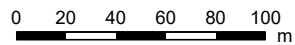
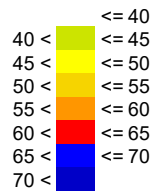




**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Planned future situation after removing all coolers on the roof of KEF 201.  
Normal operation.

KEF 101 and 201 in operation.  
No backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

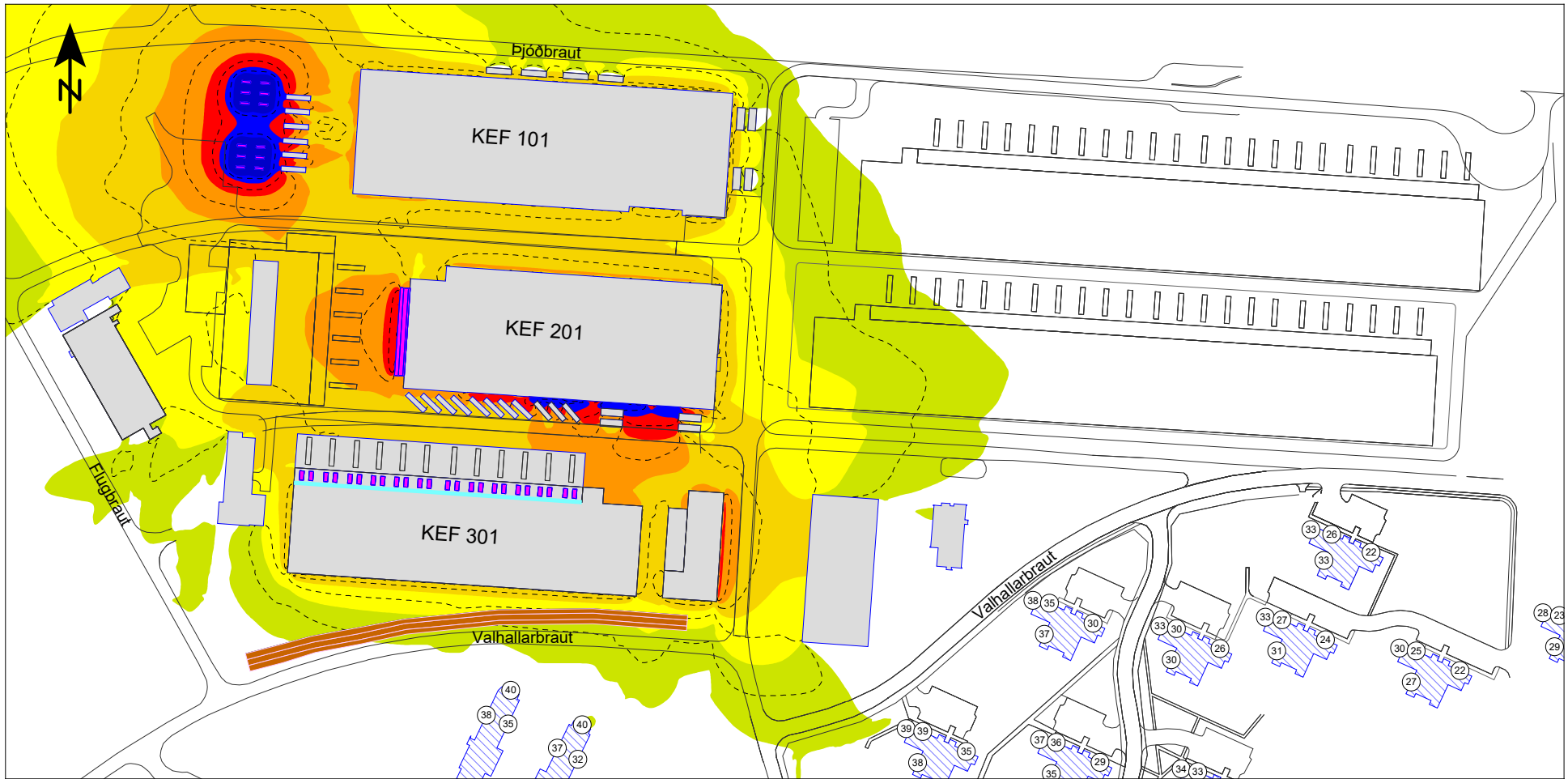
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 2 of 10  
Author: GBJ  
April 2023

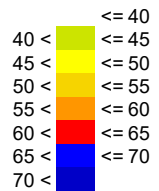




**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Planned future situation after removing all coolers on the roof of KEF 201.  
KEF 301 complete.  
Normal operation.

KEF 101, 201 and 301 in operation.  
No backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

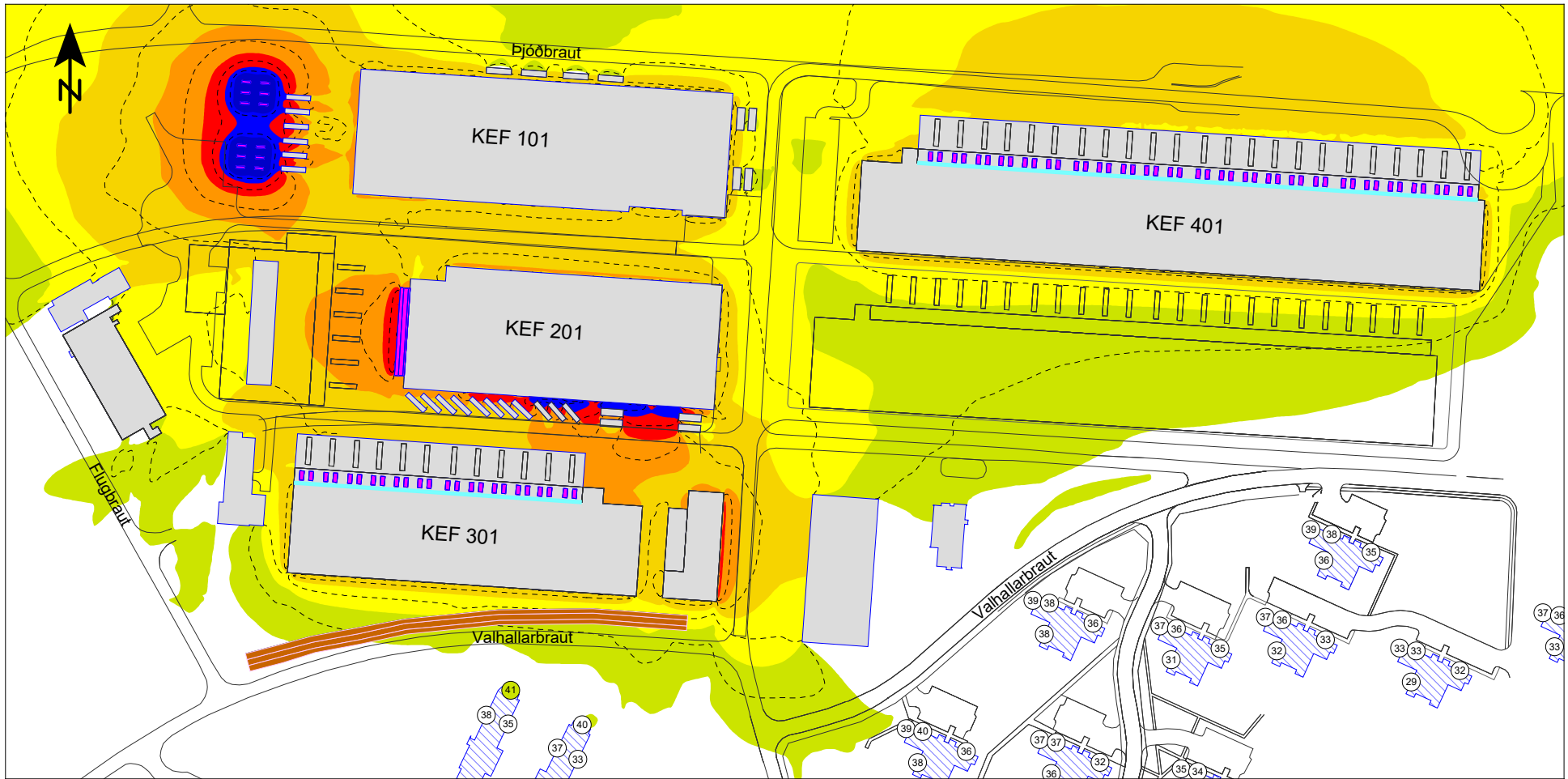
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 3 of 10  
Author: GBJ  
April 2023

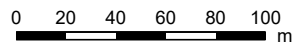
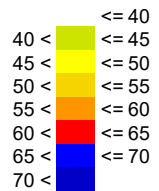




**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Planned future situation after removing all coolers on the roof of KEF 201.  
KEF 301 and 401 complete.  
Normal operation.

KEF 101, 201, 301 and 401 in operation.  
No backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

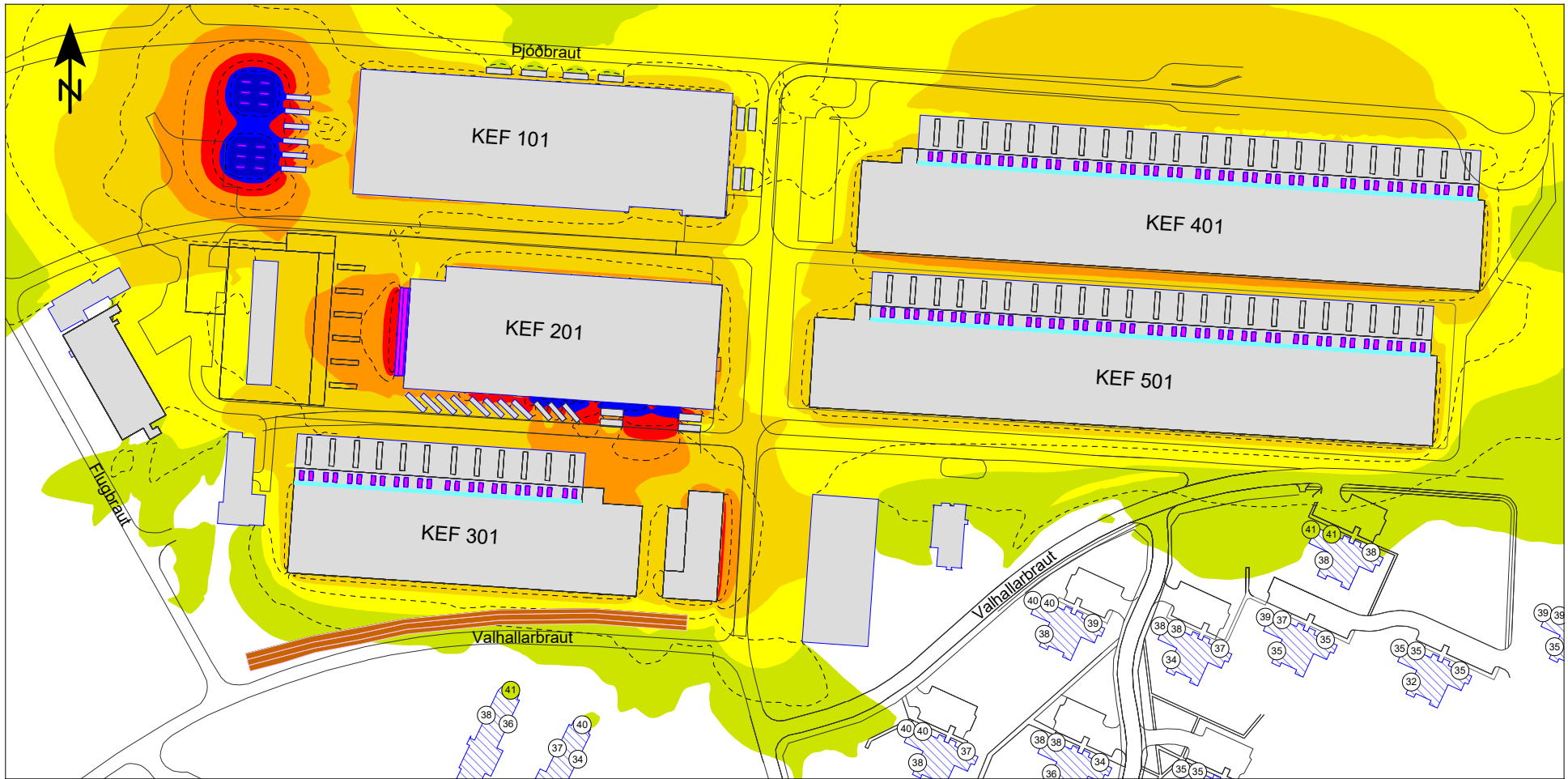
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 4 of 10  
Author: GBJ  
April 2023

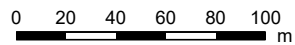
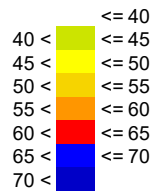




**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Planned future situation after removing all coolers on the roof of KEF 201.  
KEF 301, 401 and 501 complete.  
Normal operation.

KEF 101, 201, 301, 401 and 501 in operation  
No backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

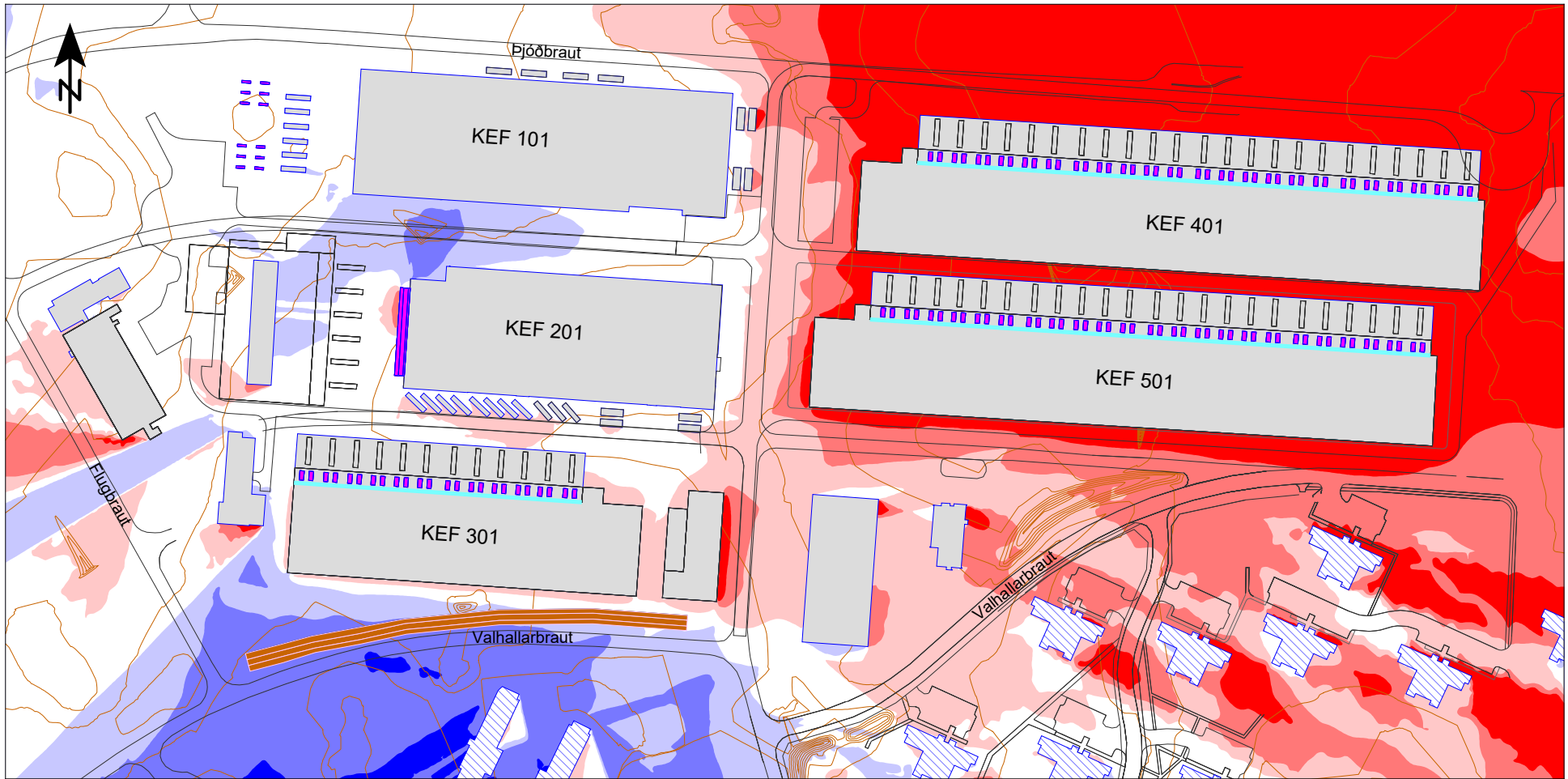
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 5 of 10  
Author: GBJ  
April 2023





**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Difference in dB(A)**

- $\leq -10,0$
- $-10,0 < \leq -6,0$
- $-6,0 < \leq -2,0$
- $-2,0 < \leq 2,0$
- $2,0 < \leq 6,0$
- $6,0 < \leq 10,0$
- $10,0 <$



**Situation:**

Difference between calculated levels for the current situation and when everything has been completed, during normal operations.

Difference between maps 5 and 1.

Limits for noise  
 At site boundary: 70 dB(A)  
 Outside residential buildings  
 Daytime (07-19): 50 dB(A)  
 Evening (19-23): 45 dB(A)  
 Night (23-07): 40 dB(A)

**Verne Data Center  
Change in Noise Levels**

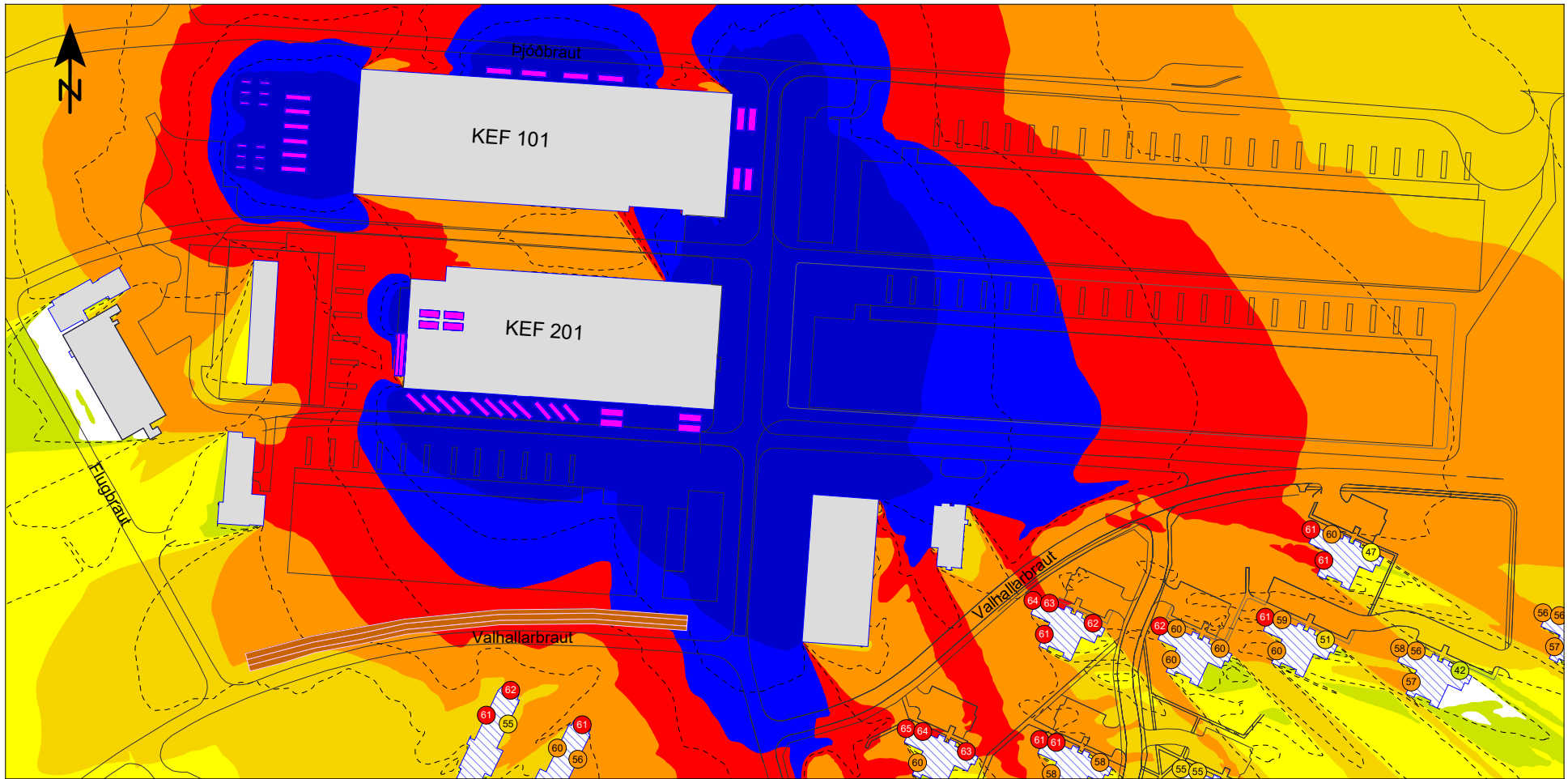
Contour lines show the expected change in sound pressure level from the current situation to when everything is completed. During normal operation.

Calculated noise levels are 2 m above ground.

Map 6 of 10  
 Author: GBJ  
 April 2023



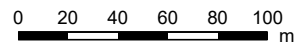
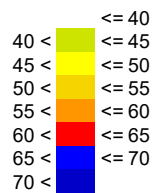




**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Current situation.

Everything on backup power.

KEF 101 and 201 in operation.  
All backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

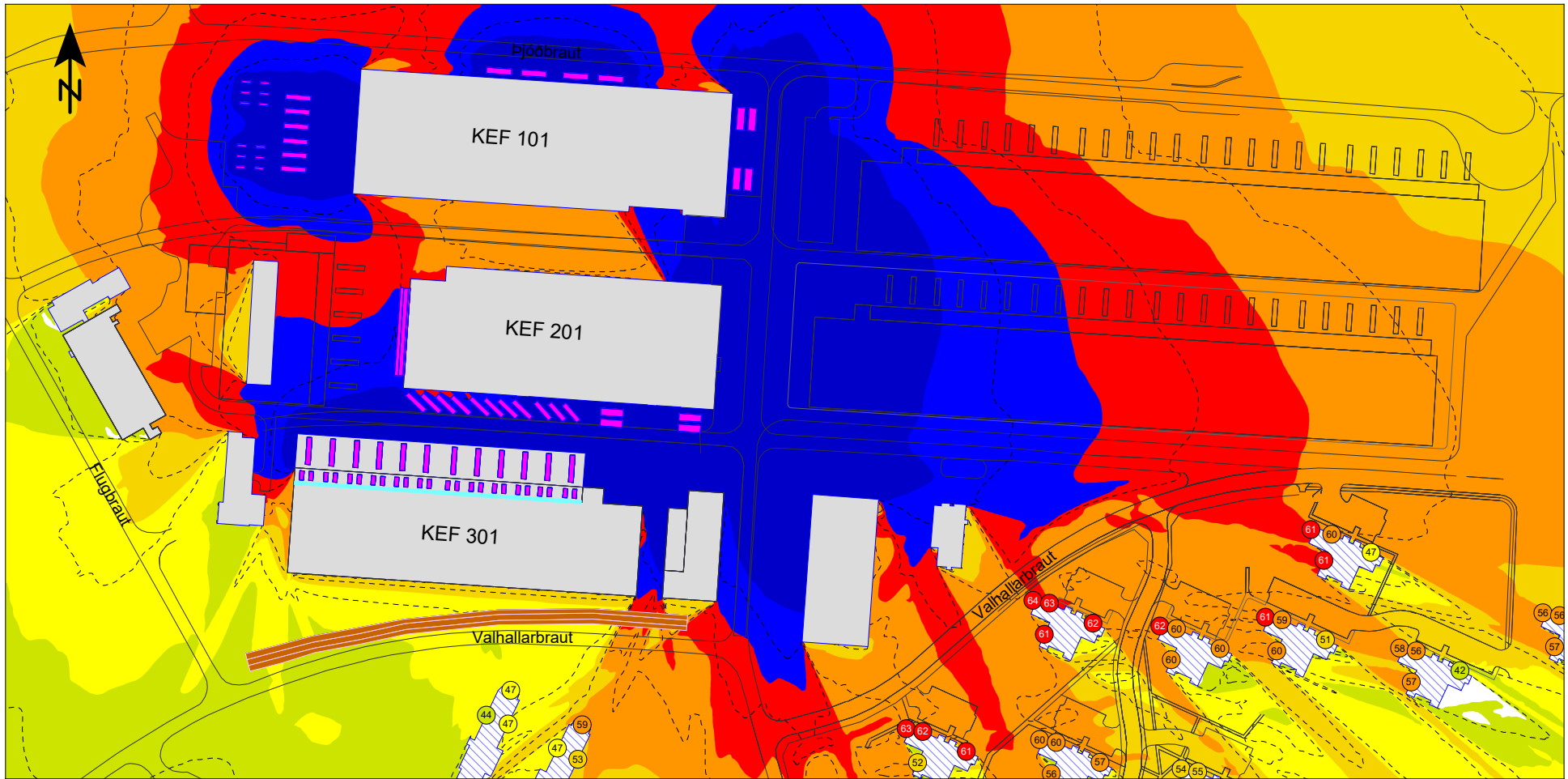
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 7 of 10  
Author: GBJ  
April 2023

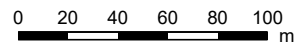
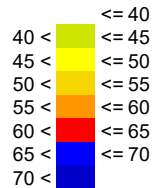




**Legend**

-  Building
-  Residential
-  Base line
-  Elevation lines
-  Berm
-  Wall
-  Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Planned future situation after removing all coolers on the roof of KEF 201.  
KEF 301 complete.  
Everything on backup power.

KEF 101, 201 and 301 in operation.  
All backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

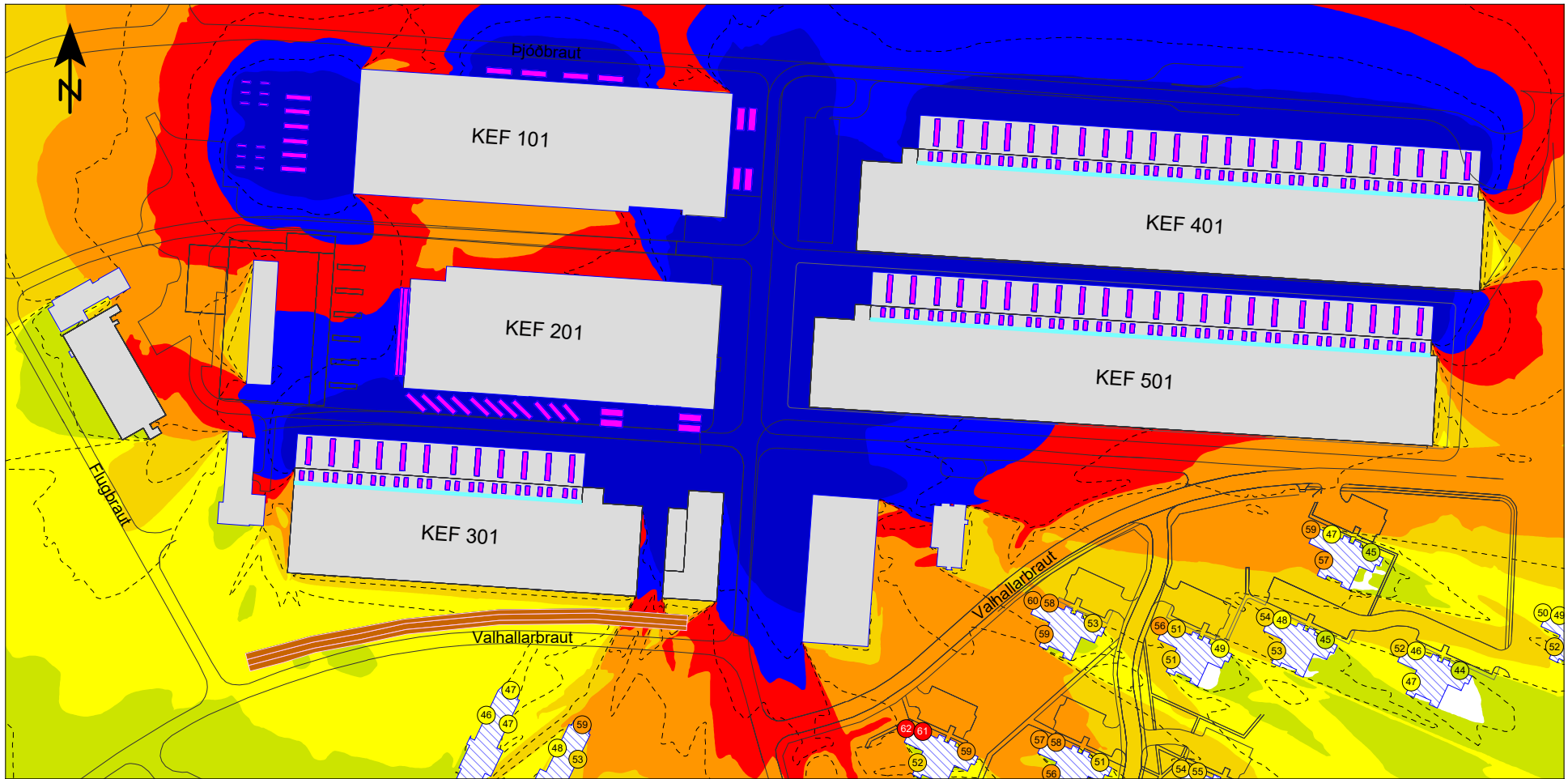
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 8 of 10  
Author: GBJ  
April 2023

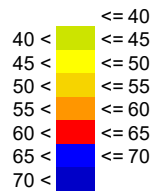




**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Leq,24 in dB(A)**



**Situation:**

Planned future situation after removing all coolers on the roof of KEF 201.  
KEF 301, 401 and 501 complete.  
Everything on backup power.

KEF 101, 201, 301, 401 and 501 in operation  
All backup power generators running.

Limits for noise  
At site boundary: 70 dB(A)  
Outside residential buildings  
Daytime (07-19): 50 dB(A)  
Evening (19-23): 45 dB(A)  
Night (23-07): 40 dB(A)

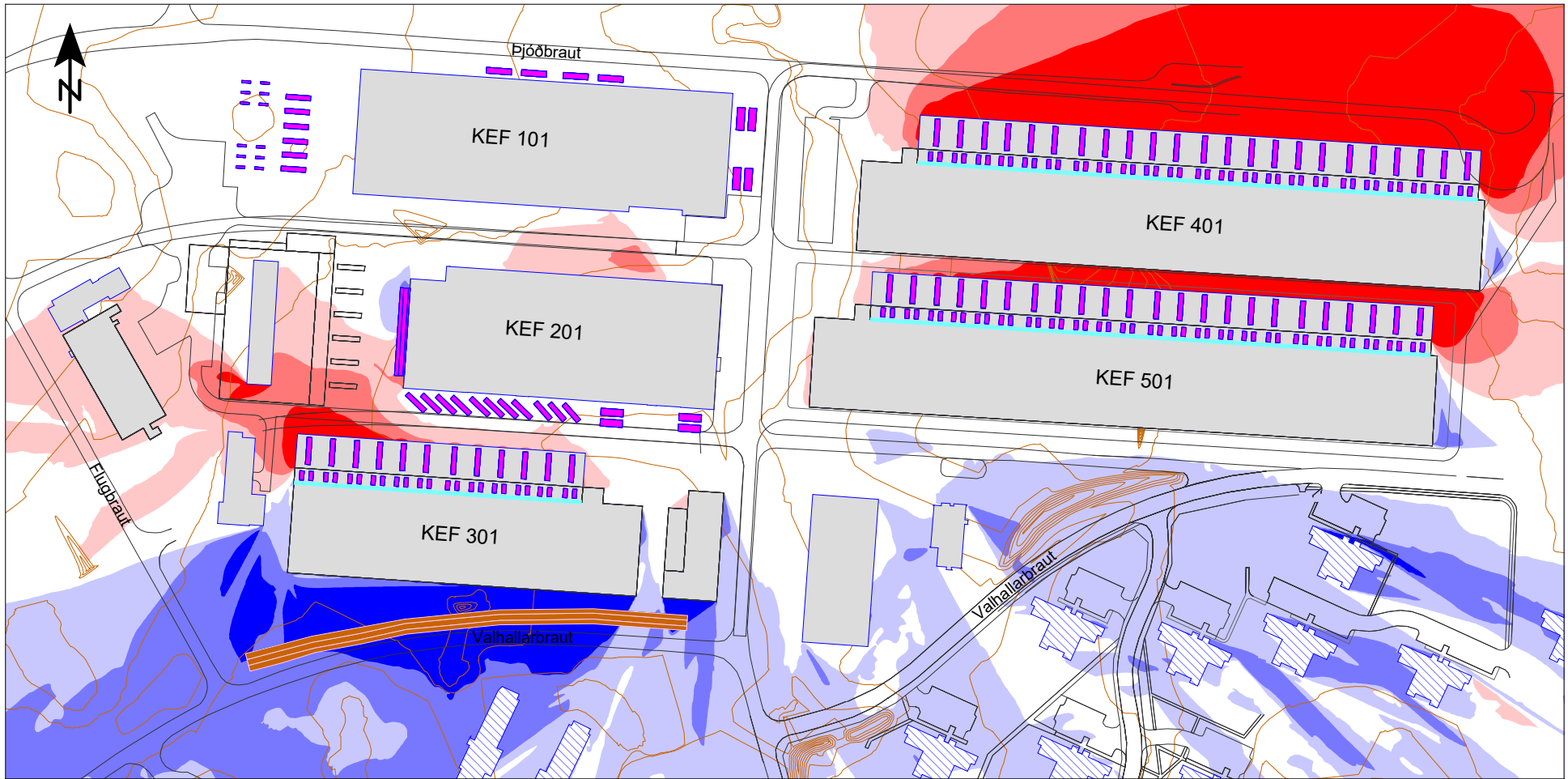
**Verne Data Center  
Operating Noise Levels**

Contour lines show the calculated sound pressure level 2 m above ground.

Numbers outside buildings show the highest calculated free field sound pressure level for that facade.

Map 9 of 10  
Author: GBJ  
April 2023



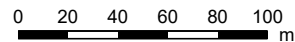


**Legend**

- Building
- Residential
- Base line
- Elevation lines
- Berm
- Wall
- Active equipment

**Sound Pressure Level  
Difference in dB(A)**

- <= -10,0
- 10,0 < <= -6,0
- 6,0 < <= -2,0
- 2,0 < <= 2,0
- 2,0 < <= 6,0
- 6,0 < <= 10,0
- 10,0 <



**Situation:**

Difference between calculated levels for the current situation and when everything has been completed and everything is running on backup power.

Difference between maps 8 and 7.

Limits for noise  
 At site boundary: 70 dB(A)  
 Outside residential buildings  
 Daytime (07-19): 50 dB(A)  
 Evening (19-23): 45 dB(A)  
 Night (23-07): 40 dB(A)

**Verne Data Center  
Change in Noise Levels**

Contour lines show the expected change in sound pressure level from the current situation to when everything is completed. When everything is running on backup power.  
 Calculated noise levels are 2 m above ground.

Map 10 of 10  
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