

BEKK TO THE FUTURE

CityStudio Oslo 2020

Project report



“Bekk to the Future” is a placemaking project that uses the Hovinbekken stream as a connective structure to spark walkability and identity at Økern in Oslo.

Table of contents

Project summary	2
Background	2
The 5 S's	3
S1 Staff and City Strategy	3
S2 Support and Resources	4
S3 Site	4
S4 Stewardship and Stakeholders	5
S5 Scalability	6
Project outcomes	7
Timeline and activities	9
Project barriers	9
Recommendations	10
Acknowledgments	10
References	12

Bekk to the Future

...is a placemaking project that uses the Hovinbekken stream as a connective structure to spark walkability and identity at Økern in Oslo.

Project team



Edda Eline Fuhr

Human Geography,
University of Oslo



Torbjørn H. Danielsen

Urban and Regional Planning,
Norwegian University of Life
Sciences



Åsa Holsen Fosmark

Urban and Regional Planning,
Norwegian University of Life
Sciences

CITYSTUDIO OSLO 2020

Project summary

Vision

Økern becomes a connected area for local inhabitants and an attraction to visit.

Bekk to the Future is the first step in making Økern go from a space to a place. The route attracts locals and others to discover the unique urban landscape of Økern. The path is an attraction in itself, where visitors are introduced to local artists and activities along the way. As a result of Bekk to the Future, walking is a safe and comfortable choice. The attraction to Økern has created greater local community engagement and builds the foundation for the neighborhood's future development.

Summary

Bekk to the Future is a project based around the historical Hovinbekken stream and addresses two identified problems at Økern. First, navigating the area is challenging because of a lack of walkable connections, and second, the area lacks a sense of place and identity. The project has resulted in a route between the uncovered parts of Hovinbekken at Hasle and Risløkka, marked by blue circles to create a practical, walkable connection across Økern. Posters along the path introduce people to the unique spaces and the history of Økern to give the area a sense of place. Responses from stakeholders and media, as well as results from a survey, indicate a positive outcome of the project.

Background

The project is part of CityStudio Oslo, an interdisciplinary course focusing on sustainable city development. The course is a collaboration between four academic institutions in the Oslo-region and the City of Oslo. This year CityStudio Oslo focuses on Hovinbyen, one of the largest development areas in Oslo, which will accommodate for 30 000 - 40 000 new homes, and 50 000 - 100 000 new jobs, within the next 50 years (Plan- og bygningsetaten, 2018a).

The municipality has defined Økern as an important center for development in Hovinbyen. There are currently private plans to develop Økern into an attractive urban center with homes, commerce, culture and offices, with the Hovinbekken stream reopened (Økern Sentrum, 2020a). The strategic plan *VPOR Hasle og Valle Hovin* proposes to open Hovinbekken between Hasle, Økern and Risløkka, combined with a new walkway (Plan- og bygningsetaten, 2018b). This proposal's realization is dependent on the private development of Økern, which has a time frame of 10-20 years. LEVA Urban Design has executed multiple participation activities and a neighborhood survey with residents around Økern, as part of the planning process for the zoning plan for "Økern Sentrum". The results show that many people have negative associations with Økern. "Dead", "abandoned", "trafficked" and "boring" are some words that people often mention when describing the site (LEVA Urban Design, 2020a). The locals expressed a wish for a north-south connection through Økern, and many feel unsafe due to heavy traffic. Inputs from local residents to the *Strategic Plan for Hovinbyen* show a need for better connections within Hovinbyen, that it is challenging to navigate, and that there is too much traffic in the area (Plan- og bygningsetaten, 2018a).

The project group has identified two main problems from the strategic plans, participation insights and the group's own experiences of Økern. Firstly it is difficult to navigate and walk. Økern is dominated by cars, heavy infrastructure and physical barriers. Secondly, there is a lack of attractiveness, recognition, and familiarity at Økern. The project group refers to these issues as problems of *walkability* and of *identity*. The project group believes that it is too long to wait 10-20

years to deal with these problems and activate the area. Bekk to the Future is a temporary solution to the problems, using Hovinbekken as a connective structure that helps people navigate and spark a changed perception of Økern.

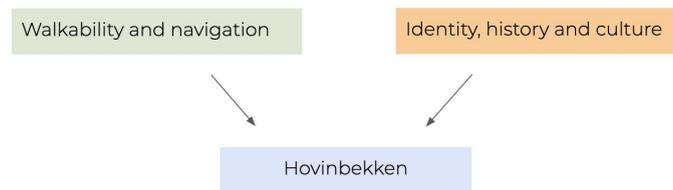


Figure 1. Concept visualization.

The 5 S's

CityStudio introduces a project framework made up of 5 S's to launch real projects: *Staff, Support, Site, Steward and Scale*. Together these points make up the key elements for creating a project with impact.

S1 Staff and City Strategy

City Staff Contact

The city staff contact for this project has been Gaute Lerstad Thorsnes from the Agency for Urban Environment, who works in the agency's Mobility Division. The project is a result of close cooperation between the project group and the Agency for Urban Environment.

City Strategies and Goals

The Strategic Plan for Hovinbyen states that Hovinbekken will be developed as a green-blue structure that connects Hovinbyen between 'Marka' and the fjord (Plan- og bygningsetaten, 2018a). VPOR Hasle og Valle Hovin proposes to open Hovinbekken between Hasle, Økern and Risløkka, and to coordinate this with a new walkway (Plan- og bygningsetaten, 2018b). Use of temporary installments in Hovinbyen is suggested in the Strategic plan for Hovinbyen, because of the long time frame of development (Plan- og bygningsetaten, 2018a). Bekk to the Future is a temporary solution to the proposed development of Hovinbekken as a connective walking structure in Hovinbyen. The Strategic Plan for Hovinbyen envisions a place where walking and biking are the preferred choices in everyday life (Plan- og bygningsetaten, 2018a). The city has a concrete goal to reduce climate gas emissions by 95 % before 2030 (Oslo kommune, 2020a). Walking and cycling are means for reducing climate gas emissions in Oslo. Bekk to the Future makes walking available in one of Oslo's most car-dominated areas.

Potential Conflict with other Strategies

Bekk to the Future is a pedestrian route that connects to several combined walking- and biking paths. Oslo's plan for the bicycle network, *Plan for sykkelveinettet i Oslo*, proposes an express route from Ring 3 to the city center, with separate bike paths (Oslo kommune & Statens vegvesen, 2018). Should the project attract many people, the path could potentially conflict with cyclists' interests and the planned network for cycling in Oslo.

S2 Support and Resources

Økern Sentrum ANS sponsored the project with a cost of maximum 30 000 NOK. The main costs include blue circle signs, posters and installation equipment. The actual expenses were lower than the planned expenses. Økern Sentrum ANS also lent the project group a working space to prototype installations and provided necessary tools. The full budget and sponsorship agreement can be found in Appendix A.

S3 Site

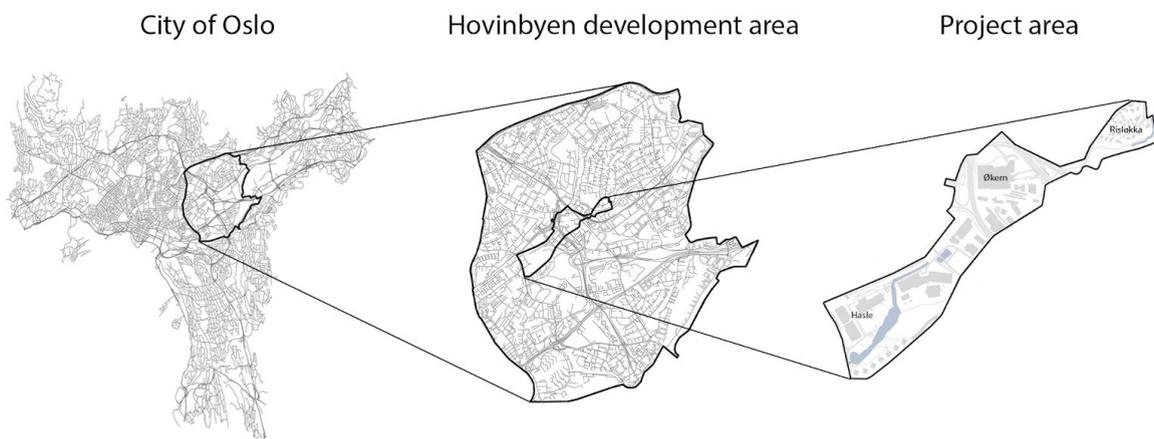


Figure 2. Geographical location in Oslo and Hovinbyen.

Bekk to the Future is a path located in the Økern area in Oslo. It stretches between the open parts of Hovinbekken at Risløkka and Hasle, north and south of Økern. Multiple options for the path's location were considered during the project work, such as following the historical route or the underground pipes. Both were impossible to follow because of large barriers as roads, train tracks or construction sites. The final path was selected because it was the most practical and effective route, and it connected essential points of interest or activity. The selected path goes behind Økernsenteret, to connect the path to the temporary installments and activities executed by LEVA Urban Design, as well as connecting it to the metro and bus station. The path is strategically placed for moving through different urban spaces to give an honest impression of Økern.

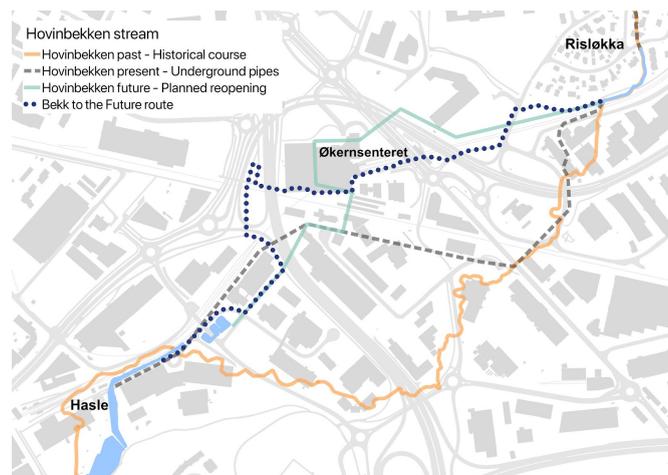


Figure 3. Map of different water courses and the "Bekk to the Future" route.

S4 Stewardship and Stakeholders

The project connects several stakeholders from both the public, private and voluntary sectors. They have been given the capacity to contribute and continue the project in the future through formal agreements of sponsorship and stewardship, and through communication about design and implementation.

Økern Sentrum ANS is owned by Steen & Strøm and Storebrand Livsforsikring. The company owns several properties at Økern in Oslo, with plans to develop the area into an urban and attractive city center: '*Økern Sentrum.*' (Økern Sentrum, 2020b). Økern Sentrum ANS has sponsored the project and given permits to work with the path's design on their plot. **LEVA Urban Design** is an urban design firm specializing in analysis, facilitation, tactical urbanism and placemaking within city development (LEVA Urban Design, 2020b). They are hired to assist with the participation process of the Økern Sentrum plan, involving the local community and implementing temporary installments. They have contributed with guidance for the project design and valuable knowledge from working at the site.

Oslo Elveforum is a voluntary organization and forum that works to protect, rehabilitate and further develop Oslo's rivers and streams (Oslo Elveforum, 2020). Oslo Elveforum has provided useful knowledge about Hovinbekken. They have signed a stewardship agreement, stating that they are responsible for maintaining the installations and taking them down in December 2021. Oslo Elveforum will inherit the blue circle signs, and have shown interest in continuing the concept of marking hidden waterways.

The Agency for Urban Environment is the municipal agency responsible for developing and managing public urban spaces in Oslo (Oslo kommune, 2020b). The agency has been involved from the start of the project and has provided their opinion in design, planning and formal agreements. The agency has given the group permits to implement the project on their plots.

The Norwegian Public Roads Administration (NPRA) is the national government agency responsible for the planning, construction, operation and maintenance of the national and county road networks. (Ministry of Transport, 2020). They own or manage large parts of the path. The project group arranged an inspection with representatives from the NPRA to discuss the placement of the blue circles. NPRA gave several suggestions and alternatives to the original design. The final application was produced in accordance with the agreements made during the inspection.

Sporveien is a company owned by the City of Oslo, responsible for managing and operating the metro's infrastructure and tram in the Oslo region (Sporveien, 2020). The project group needed permits from Sporveien because they managed the plot at Økern metro station. The final path was laid differently across the plot, and the design was downscaled, due to feedback and proposed alterations from Sporveien.

S5 Scalability

The project group has a vision to create something that can grow in the future or inspire others to do similar interventions elsewhere, especially in areas undergoing urban transformation.

Identity and placemaking

Many cities struggle with creating a sense of place, identity and belonging, especially when transforming old industrial sites into new urban development districts. The project seeks to deal with this problem through placemaking and tactical urbanism. The project aims to showcase the benefits of small actions and temporary interventions in areas under development. Many development projects take decades to realize, however a place needs people and activity to flourish and mature. Bekk to the Future should stand as an example of how temporary projects can fill the time gap of long development to make spaces under development more attractive, in Hovinbyen, Oslo or elsewhere.

Walkability and sustainable cities

The project also fits into the context of sustainable mobility within modern, compact cities. Highlighting walkable connections through tactical interventions in the urban landscape can change people's travel behavior and encourage sustainable mobility. The 'General Theory of Walkability' states that in order to create a successful walkability project, the walk needs to be *useful, safe, comfortable* and *interesting* (Speck, 2018). Bekk to the Future marks up the most practical and efficient route between different local centers. It avoids car traffic and offers a layer of color, history, and engagement that makes it interesting. As a result, this project stands as an example of how to combine these important aspects of walkability in an area under development.

Climate change and water management

Hovinbekken is not just a connective structure. It is also an important symbol of urban change and climate action. Our cities are becoming increasingly vulnerable to extreme weather and floods, reopening streams and rivers like Hovinbekken create better infrastructure for collecting and handling large amounts of water. It also creates more pleasant urban spaces and contributes to biological diversity. By using Hovinbekken as an example and informing about the plans to reopen the stream, the project group wishes to contribute to spreading awareness.



Figure 4. Hovinbekken at Hasle. Photo: Agency for Planning and Building Services.

Project outcomes

Route

The project's outcome is a connected physical route for pedestrians, marked with blue circles and signs, going from Hasle in the south, to Risløkka, north of Økern. The route is marked with 60 blue circles (20 cm diameter) for wayfinding, complemented by a digital map that can be accessed by scanning a QR code included in the three information signs placed along the route. Five historical posters (A1) are placed behind Økernsenteret to tell the story of Hovinbekken and Økern. This makes an outdoor exhibition adding to a street gallery made by LEVA and pupils at Løren elementary school.

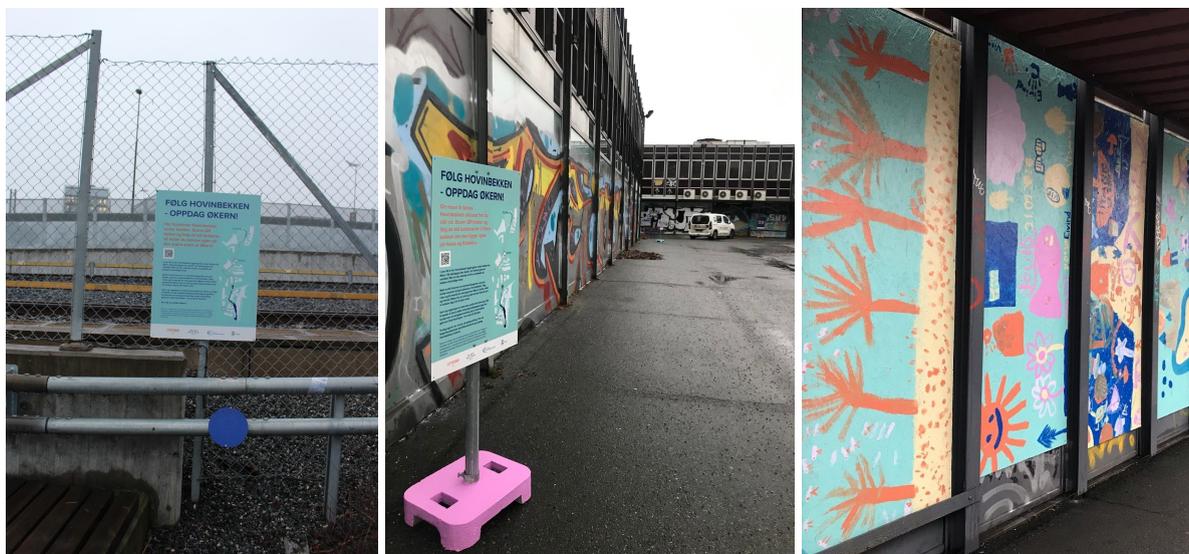


Figure 5, 6 and 7. The installed posters at Hasle (left) and behind Økernsenteret (middle). Street gallery by LEVA and children from Løren elementary school (right).

Permits and stewardship

Through hard work and perseverance the project group has managed to get permits from 5 different landowners and responsible public authorities: The Agency for Urban Environment from the City of Oslo, the Norwegian Public Roads Administration, Sporveien, Vianor AS and Økern Sentrum ANS. The permits have a timeframe of 12 months. Through the sponsorship agreement with Økern Sentrum ANS and the stewardship agreement with Oslo Elveforum, the project group has succeeded in ensuring the installments can stay up for 12 months.

Event and survey

On Sunday December 6th, the project group hosted a small event at Økernsenteret, in an attempt to get feedback on how the route is perceived. People were invited to walk the route, come by our workspace and answer a short survey. Due to COVID-19 measurements only family, acquaintances and stakeholders were invited.

A total of 8 people answered the survey. 25 % of the respondents were familiar with the Økern area from before. 87,5% of the respondents found it easy or very easy to follow the path. Some of the critical responses to the markings were that the blue bubbles could have been larger, in a brighter color, and that it was challenging to find the start and end of the route. To indicate if the route was walkable, respondents were asked about the four walkability requirements (*useful, safe, comfortable and interesting*). 100% of the respondents experienced the route as useful and comfortable, and 87,5%

experienced the route as safe and interesting. The respondents that did not experience the route as safe, explained that this was because “the area just before Økern station was too closed and hidden from view”, referring to the south side of Økernsenteret.



Figure 8 and 9. Survey results.

When asked about their impression of Økern after walking the route, respondents said they saw a worn transformation area with much potential, and expressed an interest in the plans for developing Økern. The survey results indicate that Bekk to the Future fulfills the four requirements for walkability and that the markings were sufficient for wayfinding.

Publicity

During project work, Økern Sentrum has shared pictures and videos of the project on their Instagram profile. Oslo Elveforum has written an article about Bekk to the Future, posted on their web page, describing the project's route and ideas. They shared the article on Facebook and in their newsletter. The group has also been invited to present the project at one of Oslo Elveforum's meetings. On December 9th, the project group was interviewed by Aftenposten. The newspaper article is expected to be published in week 51.

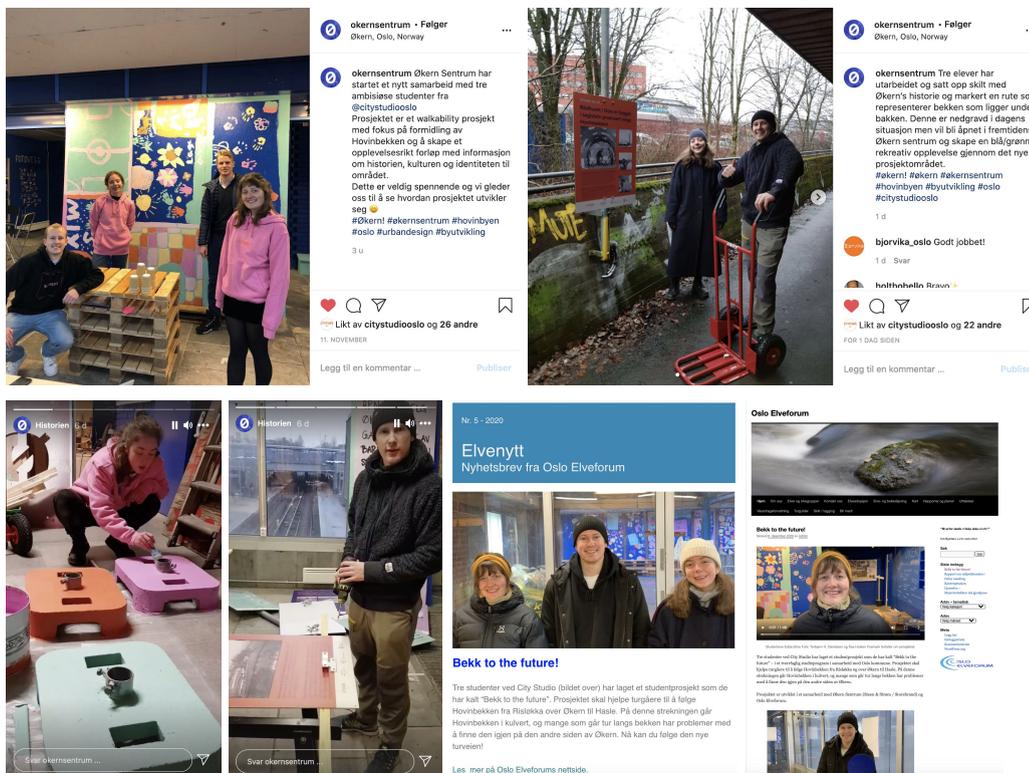


Figure 10. Collage of publicity.

Timeline and activities



Figure 11. Timeline.

Project barriers

Throughout this project work, the group has encountered several obstacles for the realization of the project's physical installations.

Public sector bureaucracy and response time

The most apparent project barrier has been public sector bureaucracy. Permits from five landowners were needed to implement the design - three of these were public authorities. The project group reached out to the private landowners through email and physical meetings, and got permission to establish markings and signs within a short time. No information on how to apply for these kinds of temporary installments was available from national and municipal agencies. Thus, much time was spent searching for the right people and departments to contact. When relevant authorities and public landowners were contacted, the project group experienced long response times and uncertainty.

Multiple reasons for downscaling

The early project design included more artistic and expressive elements along the route. KORO and the Agency for Cultural Affairs have an ongoing art project at Økern, called "Økern!", with the aim to connect art and city development (Oslo Kommune, 2020d). The project group reached out more than once to propose a collaboration, but unfortunately never got a reply. The group located and suggested several places for street art and installations, and considered hiring artists themselves, but was not granted the necessary permits. The Norwegian Public Road Administration argued that street art often leads to more unwanted graffiti. A wish to paint along pavement, curbs, and railings was also declined due to the reasons above and safety precautions for cyclists. Equipment was bought to prototype blue filters for lights around Økernsenteret. However, the outcome was too dark to be a positive contribution to the plot. Bad weather has been another obstacle in realizing the physical installation, as painting on the ground was hindered by rain and cold temperatures.

Remaining questions

The remaining questions concern the uncertainty of availability at Økern because of large developments. Parts of the path will, in some years, be impossible to access due to construction work. It is a remaining question if the chosen route should have been one available throughout the entire development. Another question is how much of an interest there is for Økern. Although the respondents from the survey expressed interest in the planned development, the answers might have been different had it come from a more representative sample. It is still unclear if the project group has managed to showcase Økern in a way that will interest all groups of society. The challenges of walkability at Økern and Hovinbyen are big and complex, and it is uncertain if small signs marking a path have significant outcome in increasing walkability.

Recommendations

The design of the path has been downscaled because of strict regulations on publicly owned plots. The full design concept can be found in Appendix B. The project group recommends that the path should be an arena for art projects like “Økern!” to take place, and that the project can be given another level of interest by being an arena for cultural offerings. For example, the route goes by an old factory building, which has been proposed as a future art gallery in VPOR Hasle og Valle Hovin (Plan- og bygningsetaten, 2018b, p. 55).

The municipality has suggested that they should encourage and make temporary projects possible in Hovinbyen. The project group recommends that the City of Oslo establishes a framework for processing applications for temporary projects, with available information online. The project group has several recommendations on how to write a permit. The applications should be specific, and must include detailed information of the proposal, including exact location, time frame, and plan for maintaining the installation. Illustrations should be included. Having a flexible design and communicating willingness to downscale was crucial in getting permits. This way, the municipality and road authorities could decline some parts of the application and say yes to other parts. Ask for updates and where in the process the application is. Remember that good projects come from good relationships. Finally, it is crucial to explain the reasoning behind the project, and why it is relevant. The project group has been met with a lot of positivity because the project answers to a clear need in the area.

Acknowledgments

This project could never have been realized without our supporters and partners' valuable help, input, and perspectives.

A big thank you to **Pål Samuelson**, **Peter Kalsaas Fossum** and **Thomas Holth** at Økern Sentrum ANS for your positivity and encouragement. Your willingness to support our project has been crucial, and lifted our project to a new level. Thank you, **Sidsel Andersen** and **Per Østvold** at Oslo Elveforum, for all your help, support and historical knowledge. The project could not have been realized without our community stewards. We would also like to thank our city staff contact, **Gaute Lerstad Thorsnes** from the Agency for Urban Environment, who has provided help in navigating within the big organization of the City of Oslo. Your assistance with applying for permits has been vital.

Furthermore, the project group wants to thank others who have provided the project with their feedback, expertise and knowledge:

Jennifer Vallee, CityStudio Oslo Project Manager
Per Gunnar Røe, CityStudio Oslo Academic Leader
Jörg Dieter Siweke, CityStudio Oslo Teaching Staff
Tin Phan, CityStudio Oslo Teaching Staff
Gro Sandkjær Hanssen, CityStudio Oslo Teaching Staff

Cecilie Austerå, LEVA Urban Design
Line Østerkjærhus, LEVA Urban Design
Nima Shahinian, Designit Oslo

Trond Berget, Norwegian Public Roads Administration
Jon Øyvind Johannesen, Norwegian Public Roads Administration
Cato Løkken, Norwegian Public Roads Administration
Avan H. Naoman, Agency for Urban Environment

And lastly, all our wonderful CityStudio Oslo classmates!

References

LEVA Urban Design. (2020a). *Medvirk: Prosess, aktiviteter og deltakelse. Dokumentasjon medvirkning og sosiokulturelle undersøkelser Økern sentrum*. Available at:

<https://innsyn.pbe.oslo.kommune.no/saksinnsyn/showfile.asp?jno=2020142010&fileid=9298939> (09.12.20)

LEVA Urban Design. (2020b). *Skaper byer og steder som er gode å leve i*. Available at:

<https://www.leva-urbandesign.no/> (08.12.20)

Ministry of Transport. (2020). *Norwegian Public Roads Administration*. Available at:

<https://www.regjeringen.no/en/dep/sd/organisation/subordinate-agencies-and-enterprises/norwegian-public-road-s-administration/id443412/> (08.12.20)

Oslo Elveforum. (2020). *Om Oslo Elveforum*. Available at:

<https://www.osloelveforum.org/om-oslo-elveforum/> (08.12.20)

Oslo kommune & Statens vegvesen. (2018). *Plan for sykkelnettverket i Oslo*. Available at:

<https://www.oslo.kommune.no/getfile.php/13137178-1538031274/Tjenester%20og%20tilbud/Gate%2C%20transport%20og%20parkering/Sykkel/Sykkelstrategier%20og%20dokumenter/Plan%20for%20sykkelveinettet%20i%20Oslo.pdf> (08.12.20)

Oslo kommune. (2020a). *Klimastrategi for Oslo mot 2030*. Available at:

https://www.klimaoslo.no/wp-content/uploads/sites/88/2020/09/Klimastrategi2030_langversjon_web_enkeltside.pdf (08.12.20)

Oslo kommune. (2020b). *Bymiljøetaten*. Available at:

<https://www.oslo.kommune.no/etater-foretak-og-ombud/bymiljoetaten/> (08.12.20)

Oslo kommune. (2020c). *Kulturetaten*. Available at:

<https://www.oslo.kommune.no/etater-foretak-og-ombud/kulturetaten/> (08.12.20)

Oslo kommune. (2020d). *Prosjektet Økern!*. Available at:

<https://www.oslo.kommune.no/slik-bygger-vi-oslo/hovinbyen/prosjektet-okern/#gref> (09.12.20)

Plan- og bygningsetaten. (2018a). *Strategisk plan for Hovinbyen*. Available at:

<https://innsyn.pbe.oslo.kommune.no/saksinnsyn/showfile.asp?jno=2020010672&fileid=9127592> (09.12.20)

Plan- og bygningsetaten. (2018b). *Planprogram med veiledende plan for offentlig rom (VPOR) Hasle og Valle Hovin*. Available at:

<https://innsyn.pbe.oslo.kommune.no/saksinnsyn/showfile.asp?jno=2018071097&fileid=7992643> (09.12.20)

Speck, J. (2018). *Walkable City Rules: 101 Steps to Making Better Places*: Island Press.

Sporveien. (2020). *Om Sporveien*. Available at:

https://sporveien.com/inter/omktp?p_document_id=34274 (08.12.20)

Økern Sentrum. (2020a). *Bysentrum*. Available at:

<http://okernsentrum.no/bysentrum> (08.12.20)

Økern Sentrum. (2020b). *Prosjekteiere og utviklere*. Available at:

<http://okernsentrum.no/eiere> (08.12.20)

Appendix A: Documents and maps

Budget

Product	Supplier	Planned expenses	Actual expenses
Blue bubble signs	AllKopi	8 470,00 kr	6 625,41 kr
Information signs/posters	AllKopi	6 539,00 kr	6 538,54 kr
Signs/posters delivery	Hurtig-Gutta	500,00 kr	437,50 kr
Installation equipment for posters	Euroskilt	8 500,00 kr	7 511,00 kr
Lighting filters and installation equipment	Biltema	3 000,00 kr	1 926,80 kr
Sum		27 009,00 kr	23 039,25 kr
Contingency		2 991,00 kr	6 960,75 kr
Total budget		30 000,00 kr	30 000,00 kr

Sponsorship Agreement (4 pages)

<p>CITYSTUDIO</p> <p style="text-align: right;">Project Agreement Contract <i>Bekk to the Future 2020</i></p> <p>This contract outlines the agreement between "CityStudio Oslo, Bekk to the Future project group" and "Økern Sentrum ANS / Steen & Strøm".</p> <p>The "Bekk to the Future" student project is comprised of students Edda Eline Fuhr, Torbjørn H. Danielsen and Åsa Holsen Fosmark and represent CityStudio Oslo*. The students gain ECTS credits for developing and working on this project which is part of the course deliverables for SG02040/LAA290, fall 2020.</p> <p><u>Students contact details:</u> Åsa Holsen Fosmark, 481 75 859, asa.holsen.fosmark@nmbu.no Torbjørn H. Danielsen, 908 04 983, torbjorn.hole.danielsen@nmbu.no Edda Eline Fuhr, edda.eline@gmail.com</p> <p>Økern Sentrum ANS was established in 2006 and is owned 50% by Steen & Strøm and 50% by Storebrand Livsforsikring. The company owns several properties at Økern in Oslo, where the goal is to develop the area into an urban and attractive city center: Økern Sentrum. Steen & Strøm, a scandinavian shopping center company, owns and operates the current center and has the overall responsibility for the project and construction on behalf of Økern Sentrum ANS.</p> <p>Project Purpose: The purpose of the project is to show that Hovinbekken can be used as a connective structure today. We are doing this by making a walkable connection between the open parts of Hovinbekken north and south of Økern. The route will be marked, and the middle section, going through Økernsenteret, will contain a small exhibition of colors, blue lights and historical posters. This will attract people to use both Økern and Hovinbekken. These installations are scheduled to stay for one year, from December 2020 to December 2021.</p> <p style="text-align: right;">1</p> 	<p>CITYSTUDIO</p> <p>Økern Sentrum / Steen & Strøm provides:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Funding - Maximum total of NOK 30 000,- for: <ul style="list-style-type: none"> <input type="checkbox"/> 60-80 'bubble' signs - 20 diameter aluminum circles in a blue color. <input type="checkbox"/> 3 information boards about the project <input type="checkbox"/> 5 information boards presenting historical facts of Hovinbekken and Økern <input type="checkbox"/> Installation equipment: Steel bands/strips, poster feet in concrete, 60 mm poles, and other small necessities. <input type="checkbox"/> Filters for lights; Acrylic sheets and lacquer. <input type="checkbox"/> Responsibility: <ul style="list-style-type: none"> <input type="checkbox"/> For maintenance on the Økern Sentrum property <input type="checkbox"/> Steen & Strøm will give "Bekk to the Future" project group information if installation on their ground is removed/inaccessible due to construction before December 2021. <input type="checkbox"/> The removal and disposal of installation on Økern Sentrum, after December 2021. If there is a wish to keep the installation up after December 2021 Økern Sentrum is welcome to do that. <input type="checkbox"/> Location <ul style="list-style-type: none"> <input type="checkbox"/> Permit to use their property to showcase the route. This includes painting, coloring lights and installing posters. <input type="checkbox"/> The location "Venterommet" at Økernsenteret can be used by Bekk to the Future as a working station during project development. <p style="text-align: right;">2</p> 
--	---

U:\design\Envelope I.U. 168112\16-0202-4652-05C3-A3000\16-0202-19

CITYSTUDIO

CityStudio, Bekk to the Future project group provides:

- ❑ **Project concept**
 - ❑ Research (on area context, history and walkability)
 - ❑ Route mapping
 - ❑ Design of signs and posters
 - ❑ Design of path
- ❑ **Installation of the concept**
 - ❑ Install signs and posters. Installation on public property depends on permits from public authorities.
 - ❑ Paint circles and prepare ground properly to ensure good quality. Only possible if weather allows it.
 - ❑ Attach filters/acrylic sheets to lights, if possible within timeframe.
- ❑ **Deliverables**
 - ❑ Project report
 - ❑ Signs, posters and agreed upon installations

Stewardship and/or Maintenance Plan
 The CityStudio Oslo student project will end on December 10, 2020. After which Økern Sentrum/Steen & Strøm will be handed over the responsibility for maintenance on their own plot. The rest of the route will be maintained and taken down by Oslo Elveforum and/or the project group members. If Steen & Strøm do not see use of the signs after December 2021, we encourage them to contact Oslo Elveforum and see if they could use them.

Signed, DATE

Jennifer Vallee
 Project Manager, CityStudio Oslo

Name: Thomas Holth 25.11.2020
 Økern Sentrum / Steen & Strøm

Jalleie *Thomas Holth*

*CityStudio Oslo is a university course offered by the University of Oslo in partnership with the City of Oslo and partnering universities.

3

U:\design\Envelope I.U. 168112\16-0202-4652-05C3-A3000\16-0202-19

CITYSTUDIO

What is CityStudio Oslo?

CityStudio is an experiential education platform that give students the skills and space to frame and face challenges in the City of Oslo. We aim to facilitate interdisciplinary and inter-institutional collaboration both in and outside of the studio by connecting teachers, staff members, business owners, students and residents.

We envision a city that leverages interdisciplinary collaboration, experiential learning, and community engagement to approach local challenges together.

The Course
 The course aims to provide students the space to create their own solutions for local challenges. To do this, students work in teams to develop and implement projects and use the tools taught across the fields of urbanism, dialogue, and design in combination with their own diverse backgrounds. CityStudio launched a full-time (30 ECTS) course in the fall semester of 2019. It is running for the second time, with intentions to offer the course annually moving forward. The course is co-taught by the University of Oslo, NMBU, OsloMet and the City of Oslo. In addition, the pilot course was also co-taught by AHO.

Funding
 In 2019, CityStudio Oslo was funded by the University of Oslo and the City of Oslo through the Oslo European Green Capital 2019 award. In 2020, CSO was funded by the University of Oslo and the City of Oslo. In addition, the participating partners are providing in-kind staff time and project support. The project is owned by the University of Oslo and is an initiative included within City of Oslo's Campus Oslo strategy.

4

Stewardship agreement (3 pages)

CITYSTUDIO

**Stewardship Agreement Contract
 Bekk to the Future, Fall 2020**

This contract outlines the agreement between

CityStudio Oslo 2020, "Bekk to the Future" project group
 and
Oslo Elveforum,
 CityStudio's "Bekk to the Future" Community Steward
 Between December 2020 and December 2021.

About "Bekk to the Future"
 The purpose of the project is to show that Hovinbekken can be used as a connective structure today. We are doing this by making a walkable connection between the open parts of Hovinbekken north and south of Økern. The route will be marked using physical installations such as posters and blue signs, as well as a digital map. The installation is scheduled to stay for one year, from December 2020 to December 2021.

What does it mean to be a community steward?
 As a steward, you are an essential and highly appreciated partner in helping CityStudio spread the joy of public space activation, walkability and cultivating connections in our city.

The roles of the steward (Oslo Elveforum):

1. Regular supervision of the two information posters and the blue circle signs on public property.
2. Maintenance of the posters and blue circles if there should be any problem such as theft, vandalism, storms, etc. Your responsibility will be to remove any remains of the blue circles, and put up new signs if there are extra left.
3. Removal of the signs and posters placed on public property when the project ends in December 2021.
4. Store the signs placed on public property after the project ends and signs are removed in 2021. Information posters can be handed over to the project group members.
5. Cooperate with the student group in case of media coverage and promotion.

CityStudio provides:

1. On-going support and project oversight until all installations are developed.
2. Signs and posters to mark the path.
3. Permits for installing signs and posters on public and private property.
4. Installation of signs and posters.
5. The project group students will be available to assist with maintenance and removal of signs and posters in 2021.

1

CITYSTUDIO

Future use of signs and posters

The Bekk to the Future project is not only about walkability and wayfinding, but also about highlighting an important historical stream in Oslo. We would therefore like to see the installations also being used in later events, rather than seeing them go to waste.

We want to offer Oslo Elveforum the blue "bubble" signs after the project has ended, so that these can be used in events or projects where Oslo Elveforum might make use of them. We have also recommended to Steen & Strøm that the historical posters about Hovinbekken, located on their property, should be offered to Oslo Elveforum if they no longer see use of them. The project group members will be responsible for storage or disposal of the information posters after removal in 2021.

Contact information:

Role	Name	Phone Number	E-mail
Project Manager, CityStudio Oslo	Jennifer Vallee		jennifer.vallee@admin.uio.no
Project Group Member	Edda Eline Fuhr	481 18 783	edda.eline@gmail.com
Project Group Member	Torbjørn Heie Danielsen	908 04 983	torbjorn.heie.danielsen@nmbu.no
Project Group Member	Asa Holsen Fosmark	481 75 859	asa.holsen.fosmark@nmbu.no
Community Steward, Oslo Elveforum	Sidsel Andersen		sidsel.ark@gmail.com
Community Steward, Oslo Elveforum	Per Østvold		ostvold.per@gmail.com

Agreement:

By signing this document you are agreeing to fulfill the roles of a community steward listed above for the CityStudio Oslo 2020 project "Bekk to the Future".

We thank you for making the Bekk to the Future project possible!

Signature, Date *Jalleie* 1/12-20

Signature, Date *Per Østvold*

Jennifer Vallee, Project Manager, CityStudio Oslo

Name: Oslo Elveforum

2

CITYSTUDIO

About CityStudio Oslo

What is CityStudio Oslo?

CityStudio is an experiential education platform that give students the skills and space to frame and face challenges in the City of Oslo. We aim to facilitate interdisciplinary and inter-institutional collaboration both in and outside of the studio by connecting teachers, staff members, business owners, students and residents.

We envision a city that leverages interdisciplinary collaboration, experiential learning, and community engagement to approach local challenges together.

The Course

The course aims to provide students the space to create their own solutions for local challenges. To do this, students work in teams to develop and implement projects and use the tools taught across the fields of urbanism, dialogue, and design in combination with their own diverse backgrounds. CityStudio launched a full-time (30 ECTS) course in the fall semester of 2019. It is running for the second time, with intentions to offer the course annually moving forward. The course is co-taught by the University of Oslo, NMBU, OsloMet and the City of Oslo. In addition, the pilot course was also co-taught by AHO.

Funding

In 2019, CityStudio Oslo was funded by the University of Oslo and the City of Oslo through the Oslo European Green Capital 2019 award. In 2020, CSO was funded by the University of Oslo and the City of Oslo. In addition, the participating partners are providing in-kind staff time and project support. The project is owned by the University of Oslo and is an initiative included within City of Oslo's Campus Oslo strategy.

3

E-mail to journalist - press release (1 page)

Emnelinje: Oppdag Hovinbekken over Økern.

Vi inviterer deg og aftenposten til å være de første som går ruten "Bekk to the future"!

Gjennom Oslo største byutviklingsområde renner Hovinbekken. Etter 70 år under bakken skal den igjen definere hjertet av Hovinbyen.

"Bekk to the future" er en rute markert mellom de åpne delene av Hovinbekken. Vi vil vise at bekken kan være den sammenkoblingen som Hovinbyen trenger. Mellom bekkens åpne deler på Hasle og Risløkka er det nå hengt opp blå sirkler og tre informasjonstavler som indikerer ruten, og gjør det lettere å orientere seg gjennom Økern. Utenfor det tomme Økernsentret blir fotgjengerne introdusert til Hovinbekken og Økerns historie gjennom interessante plakater.

Alternative overskrifter:

- Kan Økern noen gang bli gå-vennlig?
- Hovinbekken forener generasjoner av byplanleggere.
- En ny koronavennlig tur gjennom Oslos største byutviklingsområde.

Dato: 7.12

Sted: Økern, Oslo

Samarbeidspartnere: Oslo kommune, Steen og Strøm, Oslo Elveforum.

Om ønskelig kan også Oslo elveforum bli med på intervju. Vi er fleksible på tid, og tilgjengelig fram til 10. desember.

"Bekk to the future" er et studentprosjekt i emnet CityStudio Oslo, et innovativt tverrfaglig studie som jobber praktisk med byutvikling. Mer informasjon om CityStudio Oslo kan du finne her:

<https://www.uio.no/studier/emner/sv/iss/SGO2040/>

Kontaktperson:

Edda Eline Fuhr

48118763

Edda.eline@gmail.com

Final application (27 pages)

SØKNAD OM TILLATELSE TIL MARKERINGER I FORBINDELSE MED STUDENTPROSJEKT

Til: Oslo kommune, Bymiljøetaten
Statens vegvesen
Sporveien

Fra: Bekk to the Future
Prosjektgruppe fra CityStudio Oslo 2020,
Universitetet i Oslo og Norges miljø- og biovitenskapelige universitet

Prosjektbeskrivelse

Vi er tre studenter fra CityStudio Oslo, et tverrfaglig studieprogram der vi jobber praktisk med prosjektarbeid for å skape en mer bærekraftig og inkluderende by. Studiet er et samarbeid mellom flere universiteter i Osloregionen og Oslo kommune.

Stien er resultatet av et prosjekt som går ut på å lage en gangbar rute som tar deg gjennom de tungt trafikkerte delene av Økern. Stien skal binde sammen de åpne delene av Hovinbekken, nord og sør for Økern.

Slik ønsker vi å skape både en praktisk og spennende rute, og å invitere til å bli kjent med Økern. Ruten skal være en attraksjon som vil tiltrekke seg folk til området og løfte frem identitet og historie på Økern som hjertet av Hovinbyen. Gjennom prosjektet ønsker vi både å fremheve Økernområdets historie, hva som skjer nå, og fremtidens Økern.

Status i prosjektet

Tidsramme: Prosjektet skal ferdigstilles i desember, vi ønsker å henge opp sirkler i uke 49.

Økern Sentrum Ans (Steen & Strøm/Storebrand) har gitt oss tillatelse til å markere stien på deres eiendom, og vi har et samarbeid med dem rundt prosjektet.

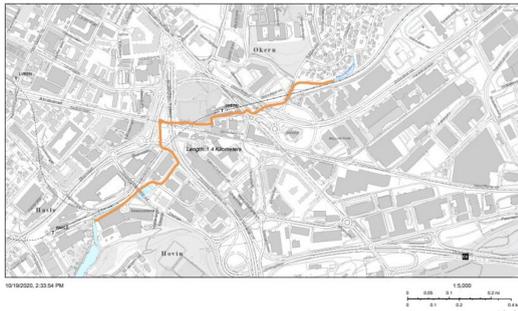
23.04 ble det arrangert en befaring med representanter fra Statens Vegvesen (SVV): Trond Berget, og Bymiljøetaten (BYM), Gaute Lerstad Thorsen og Avan H. Naoman. Både SVV og BYM er positive til prosjektet og anså merkingen som trafiksikker og forsvarlig.

Dette er en oppdatert søknad hvor tilbakemeldingene fra befaring er tatt i betraktning.

Dette er en felles oppdatert søknad som vi sender til Statens Vegvesen, Bymiljøetaten og Sporveien. Vi har for ordens skyld også sendt en egen søknad til Vianor AS om tillatelse til merking av eiendommen 122/397, hvor de har feste. Vi har også fått en muntlig bekreftelse fra Vianor på at merkingene er i orden for dem.

Eiendommer

Gnr./Bnr.	Grunneier	Forvaltes av
122/447	Oslo kommune EBY	BYM
122/493	Oslo kommune EBY	BYM
122/508	Oslo kommune EBY	BYM
122/397	Oslo kommune EBY	BYM (Festet bort til Vianor AS)
250/17	Statens vegvesen	SVV
250/18	Statens vegvesen	SVV
123/961	Økern sentrum AS (Steen & Strøm / Storebrand)	Her har vi fått tillatelse
123/777	Oslo kommune	Sporveien
122/482	Statens vegvesen	SVV
250/65	Statens vegvesen	SVV
122/335	Oslo kommune EBY	OS-veg forvaltes av SVV
122/351	Oslo kommune EBY	OS-veg forvaltes av SVV
122/211	Oslo kommune EBY	OS-veg forvaltes av SVV??



Opphenging av informasjonstavler

Vi ønsker å plassere 2 informasjonstavler i hver ende av ruten, på Hasle og Rislekkå. Disse gir informasjon om hvor stien går og om prosjektet.

Tavlene er laget av to tynne aluminiumsplater med skum i midten, som gjør platene mye lettere enn om de hadde vært rene aluminiumsplater.

De vil henges opp på gjerdene ved t-banestasjonen på Hasle og Rislekkå, med strips.



Opphenging av blå sirkler

Vi vil henge opp 42 blå sirkler for å markere ruten. Sirklene skal brukes for å markere stien og trenger derfor å henges opp regelmessig gjennom landskapet. Opphenging vil i hovedsak gjøres på lyktestolper og gjerdet.

Sirklene er laget av aluminium og vil være på ca. 20 cm diameter. De skal henges opp med stål-strips. Når sirklene henges opp til lakkerte lyktestolper vil det legges tynn foring mellom stripsen og stolpen.

Vi har avtale med Oslo Elveforum om vedlikehold av merkingene og nedtagelse desember 2021. Sirklene vil være opphengt i perioden mellom desember 2020 - desember 2021.

122/447, 122/493 og 122/508

Vi ønsker å merke strekningen med blå sirkler langs et gjerde og en lyktestolpe. Gjelder denne strekningen:



Vi ønsker at første merking langs strekningen gjøres ved festing av blå sirkler på gjerdet som går langs fortauet. Vi ønsker å feste totalt fem blå sirkler langs dette gjerdet. Festingen vil gjøres på nederste rad, som illustrert på bildet.



Vi ønsker å feste en blå sirkel til markert lyktestolpe.



250/17 og 250/18

Langs denne strekningen går stien langs gang- og sykkelvei. Vi ønsker å markere stien med blå sirkler langs gjerdet og noen utvalgte lyktestolper.

Vi ønsker å henge opp den første blå sirkelen på gjerdet som går mellom veien og gang- og sykkelvegen.



Vi ønsker å henge opp to blå sirkler på gjerdet mot Eikenga. Se kart.



Vi ønsker å feste en blå sirkel i midten av de tre lyktestolpene som står langs veien før undergangen under vegrampen mellom Økernveien og Ring 3.



Vi ønsker å feste en blå sirkel til metallrør som går langs veggen i undergangen under vegrampen mellom Økernveien og Ring 3.

På befaring foresto SVV at å male to blå sirkler i endene av undergangen også kan være et alternativ til opphenging av sirkelskitt.



Vi ønsker å feste blå sirkler langs de markerte lyktestolpene som går fra undergangen under x til gangbroen over mot Økernsenteret.



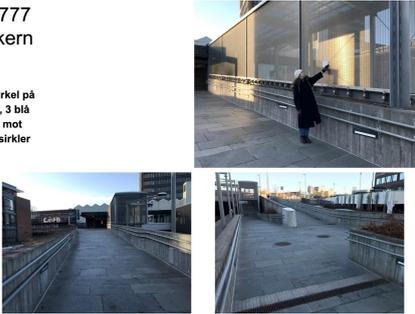
Vi ønsker å feste 2 blå sirkler til gjerdet på gangbroen mellom gang- og sykkelveg og Økernsenteret.

Festingen gjøres i nettingen og midtstilles mellom stolpene.



Gnr./Bnr. 123/777
Ramper på Økern Stasjon

Vi ønsker å feste 1 blå sirkel på netting på tak over bane, 3 blå sirkler ved rekkeverk opp mot Økernsenteret, og 3 blå sirkler ved rekkeverket opp mot Ulvenveien.



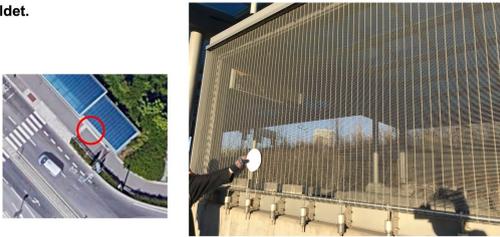
122/482, 250/65 og 250/18

Gjelder denne strekningen:

Vi vil ikke markere noe på strekningen over veien.



Vi ønsker å henge opp én blå sirkel på nettingen vist på bildet.



Vi ønsker å henge opp tre blå sirkler på gjerdet som går langs rampen som går fra Ulvenveien ned til undergang under Østre Aker vei.

De vil festes på midtstolper, slik som vist på øverste bilde.



Langs samme rampe ønsker vi å feste én blå sirkel til skiltstolpe vist på bildet under (også markert ved rød sirkel).



Vi ønsker å male to blå sirkler i undergangen under Østre Aker vei, etter anbefaling fra SVV på befaring.

Sirkelen vil males høyere enn holdt på bildet.



122/335 og 122/351

Gjelder denne strekningen:



Vi ønsker å henge opp en blå sirkel på 2 lyktestolper som vist på bildet



Vi ønsker å henge opp fire blå sirkler på gjerdet langs Risløkkveien.



122/211

Ønsker å feste blå sirkel på skiltstolpe vist på bildet (rød sirkel på kartet viser hvor stolpen står).



Vi ønsker videre å feste blå sirkler til de markerte lyktestolpene langs strekningen.



Permits from public authorities (3 pages)

SV: Justert søknad om markering av sti

Chu, Nina <nina.chu@sporveien.com>
 ti. 01.12.2020 10:42

Til: Torbjørn Heie Danielsen <torbjorn.hoie.danielsen@nmbu.no>; Johansen, Knut Wisthus <knut-wisthus.johansen@sporveien.com>; Hestenes, Vegard <vegard.hestenes@sporveien.com>
 Kopi: Åsa Holsen Fosmark <asa.holsen.fosmark@nmbu.no>; Edda Eline <edda.eline@gmail.com>

Hei

Allt er OK og dere kan gjennomføre i henhold til siste innleverte prosjektbeskrivelse inkl skilling. Skilling skal holdes tagg frie og må erstattes omgående dersom de blir ødelagte.

Tusen takk

Vennlig hilsen
Nina Chu
 Eiendom
 Driftsleder
 Telefon: [redacted]
 Epost: nina.chu@sporveien.com
 Epost: adgangskort@sporveien.com



www.sporveien.com

Sporveien AS
 Økerveien 9
 Postboks 2857, Tøyen
 N-0608 Oslo

SV: 20/30836-1 - Markering av sti i byrom - Økern - Bekk to the Future

Gaute Lerstad Thorsnes <gaute.thorsnes@bym.oslo.kommune.no>
 ti. 01.12.2020 10:38

Til: Edda Eline <edda.eline@gmail.com>
 Kopi: Åsa Holsen Fosmark <asa.holsen.fosmark@nmbu.no>; Torbjørn Heie Danielsen <torbjorn.hoie.danielsen@nmbu.no>

Hei dere,

Jeg har satt frist til i dag for å komme med innvendinger mot prosjektet internt hos oss. Jeg har ikke fått noen tilbakemeldinger. Dere kan da sette opp slik vi avtalte på befaring, viktig da at dere sørger for god beskyttelse på lakkerte stolper slik vi snakket om.

Gi beskjed dersom dere ser at dere må sette opp noen skilter på andre steder enn de dere har lagt opp til.



Med vennlig hilsen
 Gaute Lerstad Thorsnes
 Overingeniør

Bymiljøetaten
 Gange, sykkel og kollektiv
 oslo.kommune.no
 Sentralpost: 21 60 21 80



SV: Oppdatert søknad om markering av sti til studentprosjekt

Berget Trond <trond.berget@vegvesen.no>
 to. 20.11.2020 17:07

Til: Åsa Holsen Fosmark <asa.holsen.fosmark@nmbu.no>; Edda Eline <edda.eline@gmail.com>; Torbjørn Heie Danielsen <torbjorn.hoie.danielsen@nmbu.no>
 Kopi: Avan Håndren Ashraf Naoman <avan.naoman@bym.oslo.kommune.no>; Johannesen Jon Øyvind <jon.johannesen@vegvesen.no>; Hall Johan Georg <johan.hall@vegvesen.no>; Gaute Lerstad Thorsnes <gaute.thorsnes@bym.oslo.kommune.no>; Chu, Nina <nina.chu@sporveien.com>; firmapost@sporveien.com <firmapost@sporveien.com>; Kregen Berit <berit.kregen@vegvesen.no>

Hei igjen, og takk for oppdatert søknad.

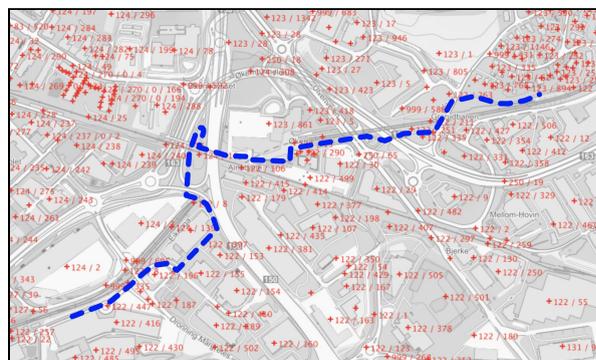
Vi har ett forbehold:
 Vi ønsker ikke at det festes blå sirkel av aluminium til metallrøret i undergangen under vegrampen mellom Økerveien og Ring 3, som vist på side 14 i presentasjonen. Under befaringen sist mandag foreslo vi at det heller bør males blå sirkler på betongen her, på samme måte som det er vist på side 22 i presentasjonen. Vi ber derfor om at markeringen utføres ved at det males blå sirkler på betongen under vegrampen mellom Økerveien og Ring 3.

Utover dette har vi ingen merknader. Lykke til med prosjektet!

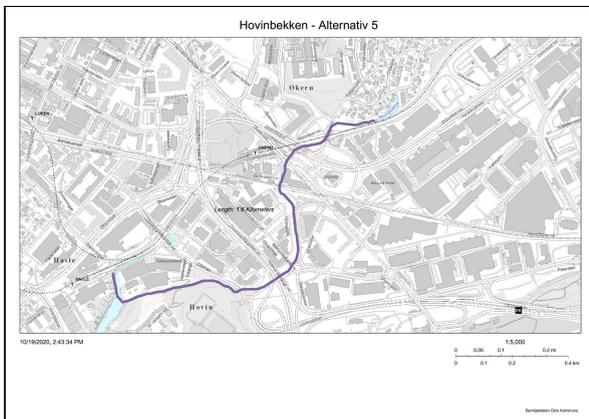
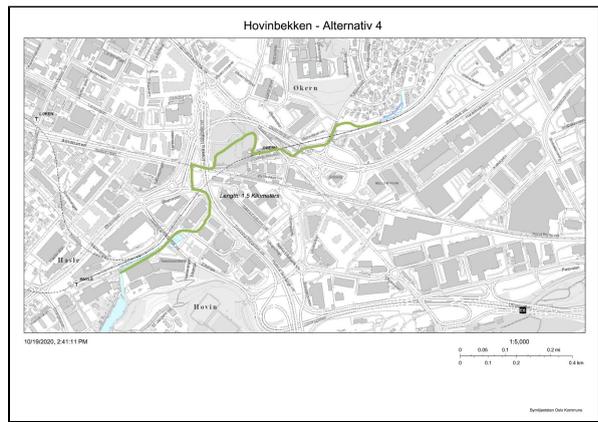
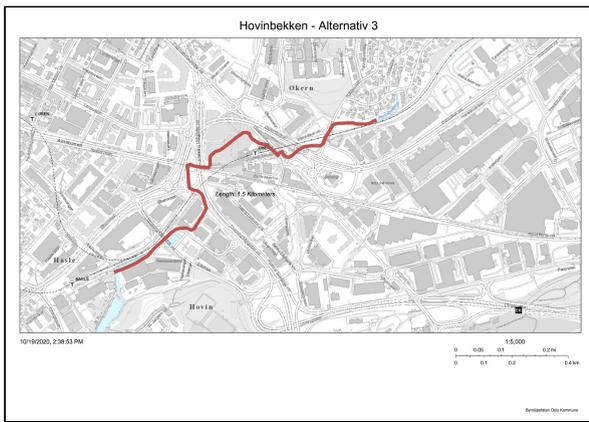
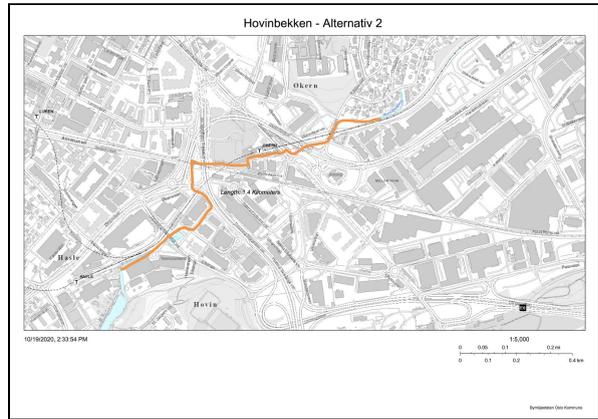
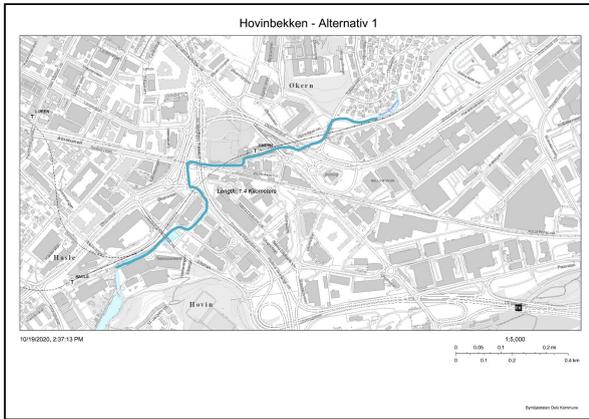
Med hilsen
 Trond Berget

Statens vegvesen, Drift og vedlikehold
 Drift og vedlikehold øst, Plan og utbygging øst 2
 Besøksadresse: Frostkullen 1, Oslo
 Mobil: [redacted] epost: trond.berget@vegvesen.no
www.vegvesen.no epost: firmapost@vegvesen.no

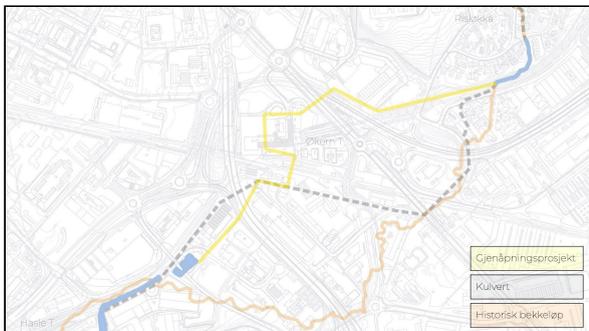
Mapping private developers/landowners



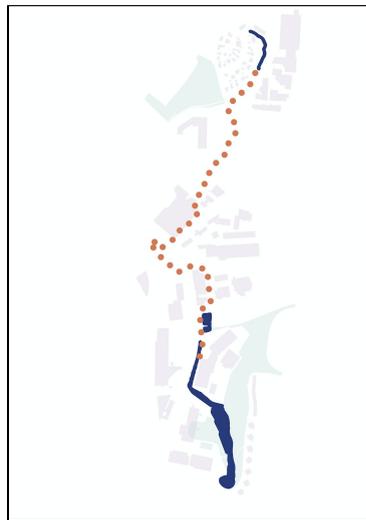
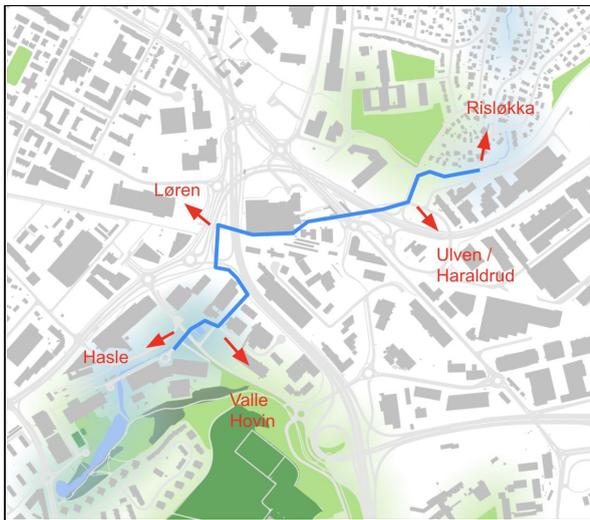
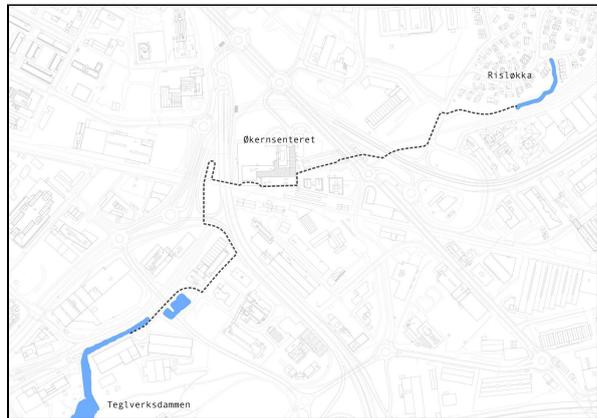
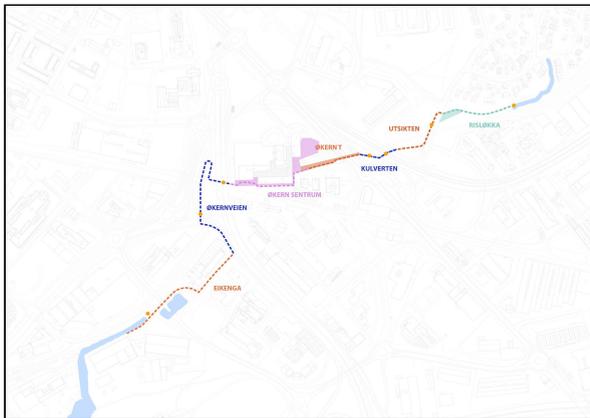
Mapping route alternatives



Mapping Hovinbekken



Other maps



Appendix B:

- Posters
- Bekk to the Future – Design

FØLG HOVINBEKKEN - OPPDAG ØKERN!

Her forsvinner Hovinbekken under bakken. Scann QR koden og følg de blå boblene, så møter du bekken igjen på den andre siden av Økern!



I over 50 år har Hovinbekken ligget gjemt under bakken på Økern. Nå planlegges den åpnet i sin helhet gjennom området. Men du kan allerede nå få en smakebit på bekkens fremtidige trasé.

Bekk to the Future er en sammenhengende rute som binder sammen de åpne delene av Hovinbekken. Følg ruten og bli med på en reise gjennom Økerns fortid, nåtid og fremtid. Økern har en unik og spennende historie som vi inviterer deg til å bli kjent med.

Vann og vegetasjon er ikke bare positivt for klima og miljø. Vi ønsker å vise at dette historiske bekkeløpet også kan brukes som et navigasjonsverktøy og en forbindelse gjennom hele Hovinbyen - fra marka til fjorden!

Bli med å avdekke bekken!

Ruten er utviklet som et studentprosjekt av Edda Eline Fuhr, Torbjørn H. Danielsen og Åsa Holsen Fosmark ved CityStudio Oslo, et tverrfaglig studieprogram i samarbeid med Oslo kommune. Prosjektet er utviklet i samarbeid med Økern Sentrum (Steen & Strøm/Storebrand) og Oslo Elveforum.



FØLG HOVINBEKKEN - OPPDAG ØKERN!

Om noen år åpnes Hovinbekken akkurat her du står nå. Scann QR koden og følg de blå boblene for å finne bekken der den ligger åpen på Hasle og Risløkka.



I over 50 år har Hovinbekken ligget gjemt under bakken på Økern. Nå planlegges den åpnet i sin helhet gjennom området. Men du kan allerede nå få en smakebit på bekkens fremtidige trasé.

Bekk to the Future er en sammenhengende rute som binder sammen de åpne delene av Hovinbekken. Følg ruten og bli med på en reise gjennom Økerns fortid, nåtid og fremtid. Økern har en unik og spennende historie som vi inviterer deg til å bli kjent med.

Vann og vegetasjon er ikke bare positivt for klima og miljø. Vi ønsker å vise at dette historiske bekkeløpet også kan brukes som et navigasjonsverktøy og en forbindelse gjennom hele Hovinbyen - fra marka til fjorden!

Ta deg også en tur innom vår gateutstilling. Finn de fargerike plakatene bak Økernsenteret og oppdag Hovinbekkens historie.

Ruten er utviklet som et studentprosjekt av Edda Eline Fuhr, Torbjørn H. Danielsen og Åsa Holsen Fosmark ved CityStudio Oslo, et tverrfaglig studieprogram i samarbeid med Oslo kommune. Prosjektet er utviklet i samarbeid med Økern Sentrum (Steen & Strøm/Storebrand) og Oslo Elveforum.



Visste du at...

Rådhuset i Oslo er bygget i teglstein produsert langs Hovinbekken

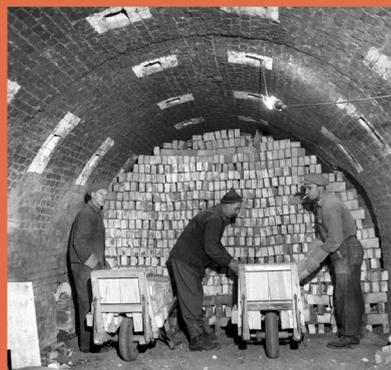


Foto: Ulfen / Arkitektbyråets arkiv og bildearkiv. Hovin og Risløkka.

Under siste istid for 10 000 år siden var Groruddalen dekket av en isbre. Isen trakk seg etter hvert tilbake og havet fylte dalen med fin sand og grus, som ble til leire på havbunnen. Deretter steg landet og ble tørrlagt, og jorden leirholdig. Hovinbekken, som rant gjennom området, ga god tilgang på leire og vann. Derfor ble det anlagt hele åtte teglverk langs bekken, som produserte teglstein for en by i vekst.

Teglverkene, som lå på rekke og rad langs Hovinbekken, var i drift fra begynnelsen av 1800-tallet. De leverte teglstein til blant annet leiegårdene i indre by, Rådhuset i Oslo og de første drabantbyene. Betong ble etter hvert det dominerende byggematerialet i Oslo, og det siste teglverket langs Hovinbekken ble lagt ned rundt 1970.



Foto: Ulfen / Arkitektbyråets arkiv og bildearkiv.



Foto: Arkitektbyråets Arkitektbyråets arkiv og bildearkiv.



Foto: Arkitektbyråets Arkitektbyråets arkiv og bildearkiv.

BEKK TO THE FUTURE DESIGN

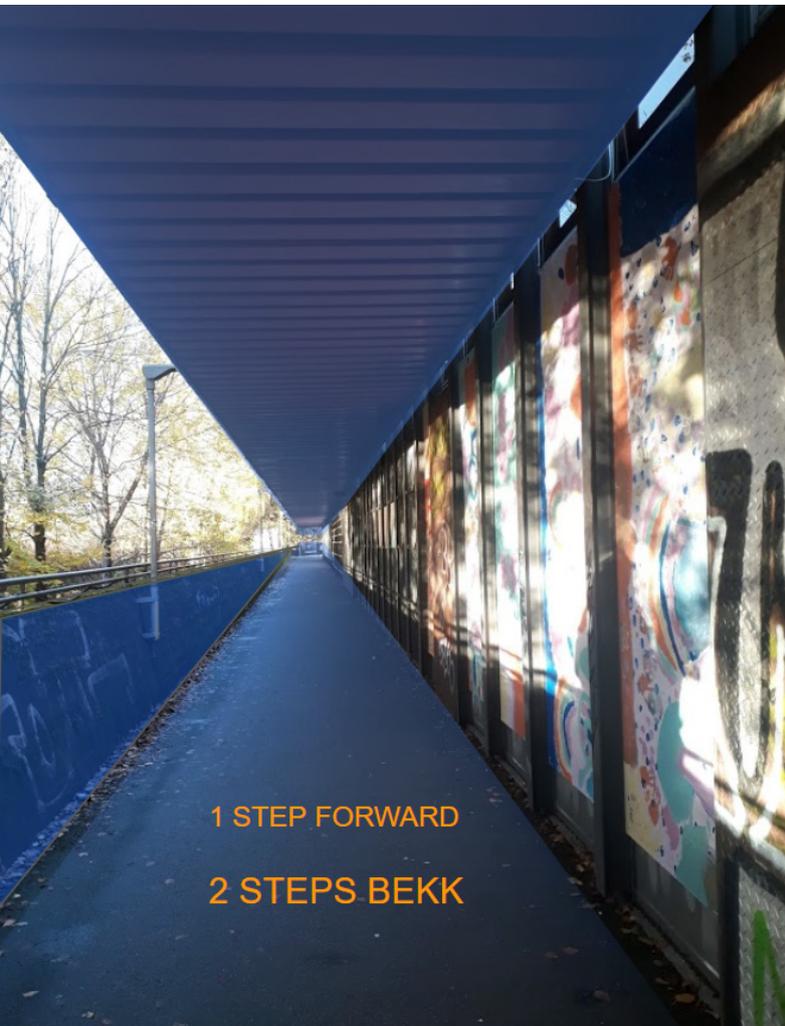
The following slides showcase the full design concept, which was downscaled and not part of the final project outcome.

The design of the path is based on the concept of blue and orange elements marking the route throughout the physical environment, and street art and murals where suited.

The blue elements symbolize water and nature, and will be clearly visible along the path.

The orange elements will be placed where it is an opportunity to highlight elements that create sense of place and identity, such as landmarks, historical places or buildings or stories.

The project group imagines the blue elements to be different structures along the path painted blue, and the orange elements to be empty picture frames.









Street Art

The next slides include suggested spots for murals and street art.
The application was declined.





Økern Sentrum

The next slides show the suggested design concept around Økernsenteret. The circles were not implemented due to bad weather. Blue lights were not installed because the outcome was too dark.



