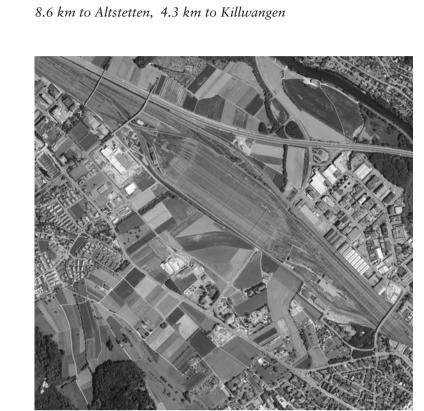
The Rail Yard Niderfeld

Satellite Image 1/25'000





Lying between Dietikon in the south east and Spreitenbach in the north west is an open expanse, the biggest in the Limmattal, of about 1.7 km width. The *Rangierbahnhof Limmattal*, Switzerland's biggest rail yard, borders to the north west, and to the south west a gentle slope rises up to meet the forest. Traversing it from East to West is the busy *Überlandstrasse*, which branches off to the north in the middle to pass under the rail yard. In the western corner lies the *Niderfeld*.

It is a characterized by an odd mix of old car lots, small businesses, patches of agriculture, bare fields and the occasional copse of trees. What makes the *Niderfeld* an interesting site, however, are the adjoining picturesque fields to the south of the road and the rail yard to the north. The rail yard, with its strict, geometric arrangement of master plan and rails exudes an eerie, geometric monumentality. Furthermore, its flat expanse allows for sweeping views across the valley all the way to Zürich.

The LTB will pass directly through the middle of the *Niderfeld* and its planned *Arealüberbauung*. The planned arrangement of blocks, with a Central Park in the middle, however, totally negates the potential site's surroundings. The rail yard, without a doubt one of the most fascinating sites of the Limmattal, will not be seen from the LTB, nor does it play any part in the *Arealüber-haumer*.



Gebietsentwicklung Niderfeld, Team Stadtwerke, 2015

Embodied by the plans of the *Niderfeld's* concept study, which never show any of the surrounding context, we believe it necessary to rethink the site in terms of the rail yard. Because of the site's largely unbuilt spaces, it bears the most promise when considering a potential adjustment of the LTB's route. The rail yard, previously only visible from the passing train, is now directly accessible by tram and could be part of a new kind of public infrastructure at the site. Furthermore, it could provide a visual, highly urban backdrop for a development of much higher density than any previous plans for the Limmattal. Accessed either directly by the LTB or set into a visual relationship with its stops, it would play a decisive role when developing a possible alternative concept for a housing development, where public spaces defined by superimposed urban concepts (such as a central park) would become superfluous.



The streetscape is defined by flat plinths that are perforated by courtyards. Towers define the architectural, urban silhouette towards the rail yard.

Masterplan Berlin Alexanderplatz, Hans Kollhoff, 1993

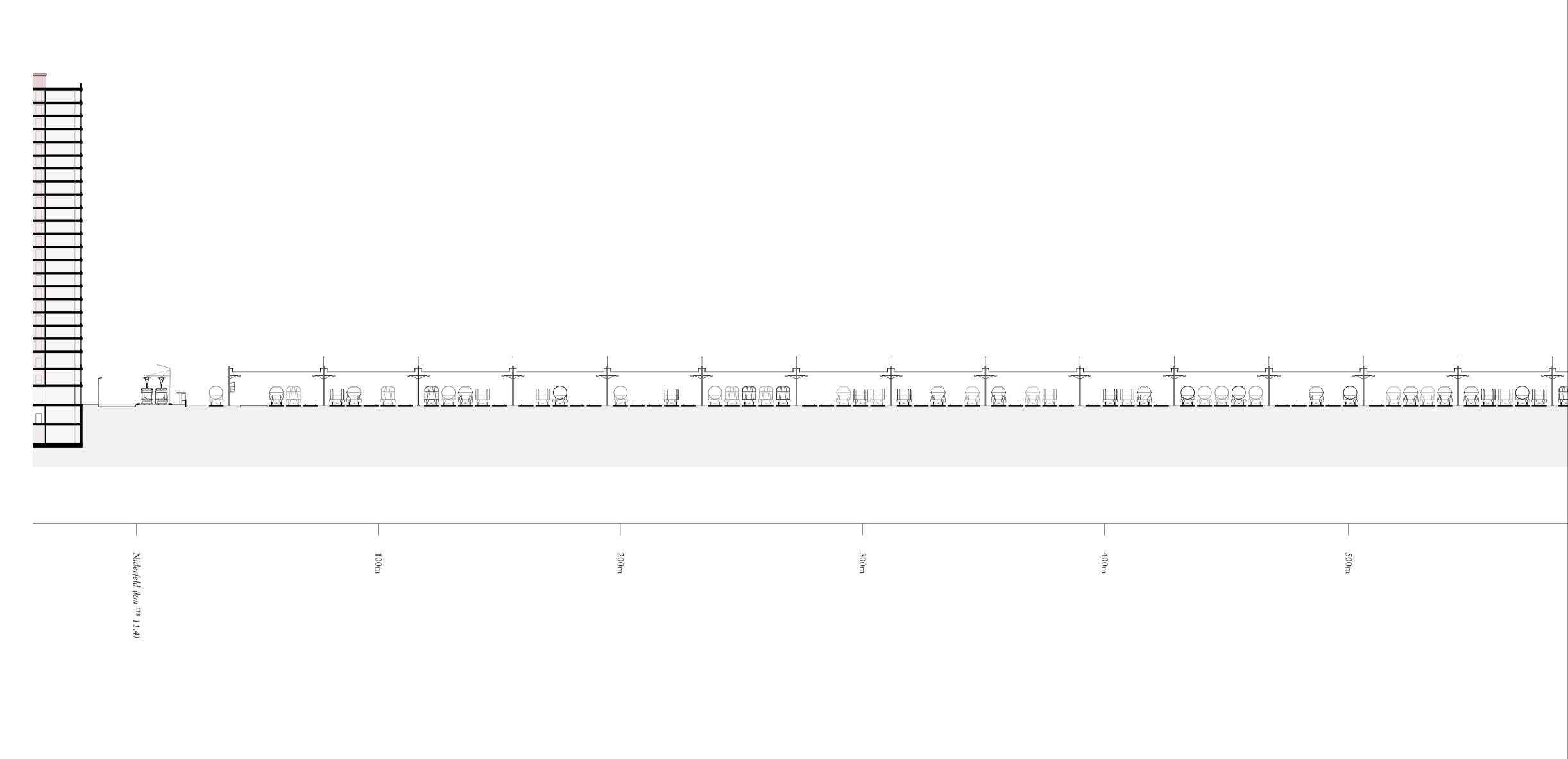
Our proposal stands as an alternative to the existing planning process that is being carried out by the city of Dietikon. While the rail yard has always been a stigmatized element in the land-scape of the Limmattal, we see it as a potential for an alternative way of living. Dense housing along the train line in the front should be completed with four story blocks on the agricultural, southern side. Two rows of blocks, 52m in width, constitute the entire length of the new development. The front row towards the rail yard is deeper, at 132m, than the second one, which loses its strict geometry and follows the lines provided for by existing roads and property lines. What connects both rows of blocks is their continuous four-story height. On the south facing side the building appears as a singular entity, whereas on the northern side it becomes the plinth for a tower that faces the railway yard. Due to the rail yard's expanse, the two-hour shadow rule becomes unnecessary. Furthermore, a maximum floor area of 900 m2 allows for towers with the efficient use of only one core. The set back shoulders facing the side streets remain at 30 meters, thus lying below Zurich's high-rise rules. The LTB's new route along the rail yard ties building intensity to the north, therefore allowing for a less dense border facing the south.

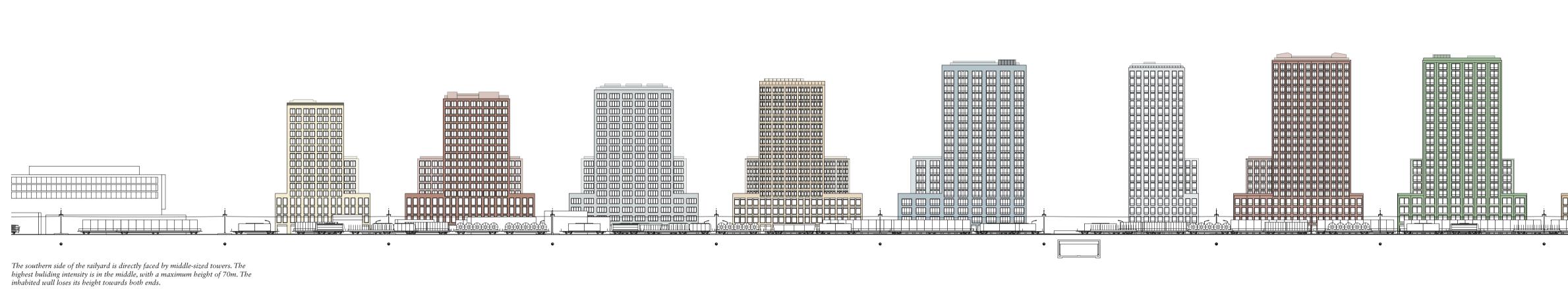


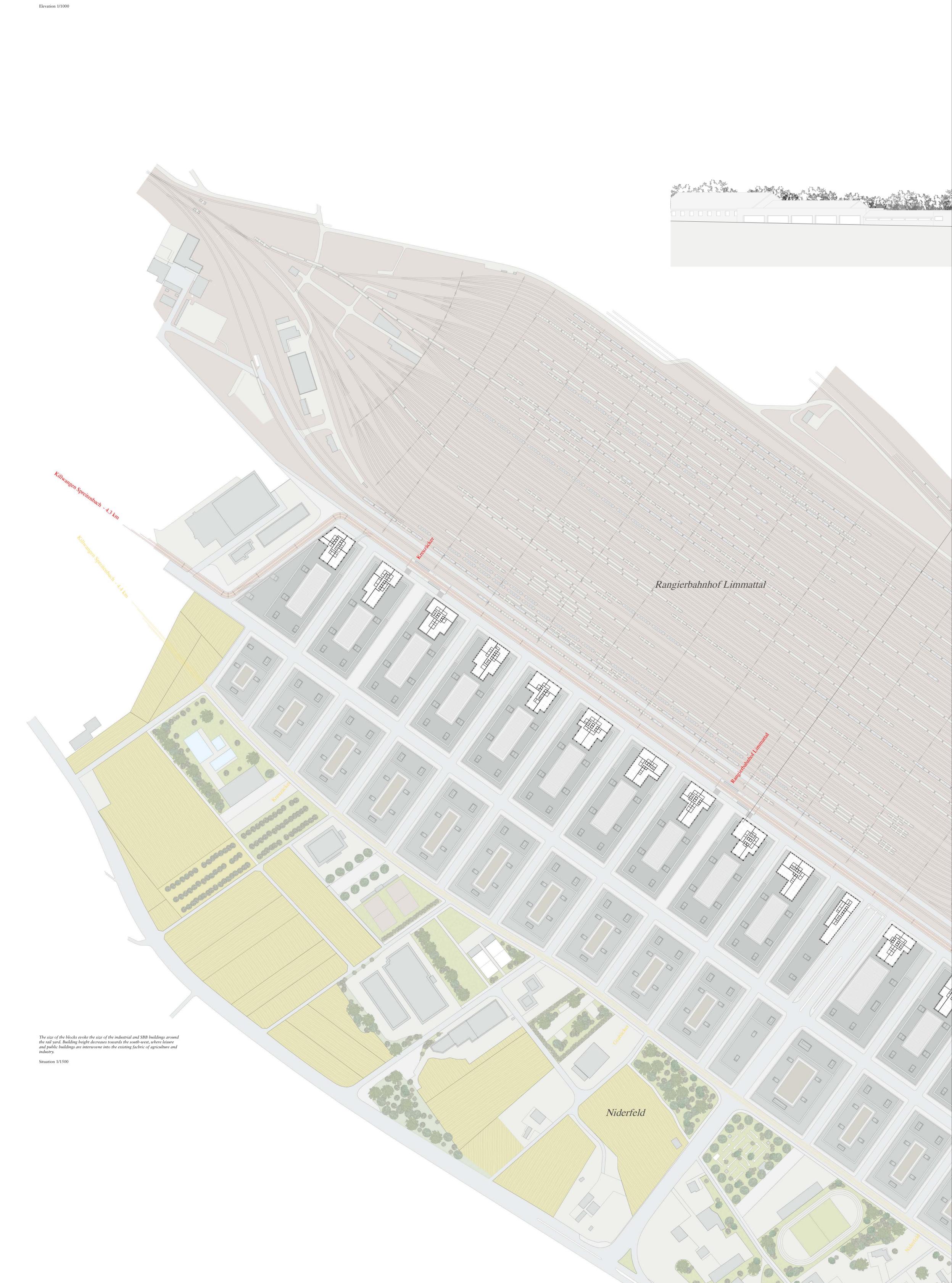
An inhabitated wall faces the empty field of the railway yard.

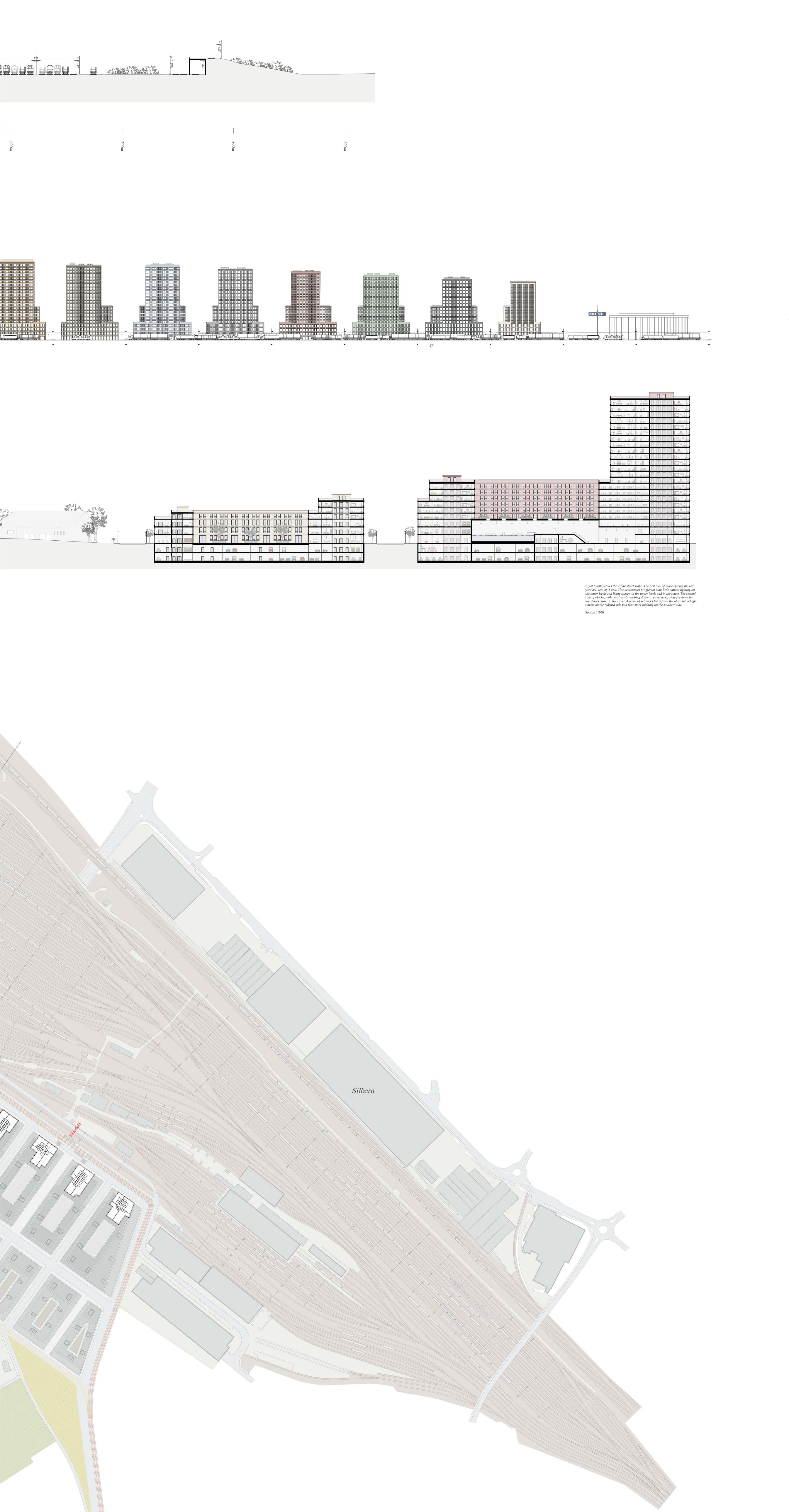
Michigan Avenue, Chicago

The height of the facades along the train tracks orientates itself on the surrounding context of industrial and commercial buildings, generating a wall like situation onto the train tracks, with the highest towers at 70m in the middle. The set back shoulders break up the strict sequence of towers, and integrate them into the urban street scape of the side streets. The front therefore stands for a highly metropolitan, extremely dense moment in the Limmattal. The central street in the middle of the new development is characterized by a uniform block structure on either side. On the southern patch of land, between the new development and the existing Überlandstrasse, the loosely spread functions of light industry, agriculture and gray fields are complemented by leisure functions that are interwoven with the existing patchwork. These necessary elements for the new city create the absolute counterpart to the front and their public functions therefore serve as the city's barrier towards the landscape to the south.









The River

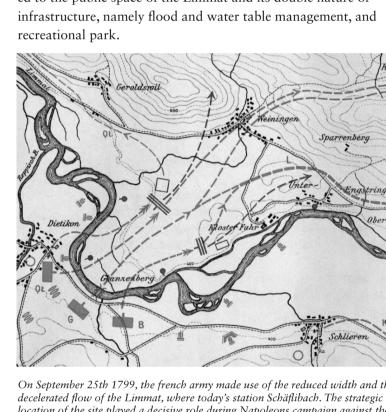
Schäflibach



see Table At the station Schäflibach, the topography generates an alignment of linear elesection RIVER ments that pass the valley (river, street, train).

In between the river and a residential neighborhood, two rail lines and a busy street pass through a narrow stretch of about 50m width. South of the Zürcherstrasse lies a medium density, nondescript mix of small single family homes and middle-sized 50's flats. In the southwest, the residential neighborhood is bordered by a pathway following the stream Schäflibach. Separating the street and the rail lines, a 3m high wall protects the residential neighborhood from the sound of passing trains. The site bears one of the Limmattal's inherent paradoxes; although the Limmat is only close by, it is hardly ever seen from the street.

Characterized by its extremely nondescript appearance, the site is the only stop along the LTB's route this close to the Limmat. This raises the potential to create a stop that is directly connected to the public space of the Limmat and its double nature of recreational park.

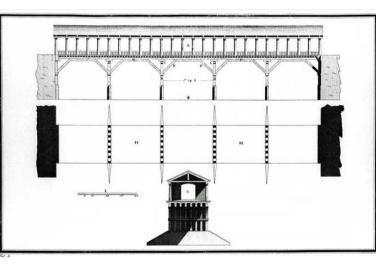


On September 25th 1799, the french army made use of the reduced width and the decelerated flow of the Limmat, where today's station Schäflibach. The strategic location of the site played a decisive role during Napoleons campaign against the Russian army.

Battle Course, Napoleonic Army, 1799 The difficult traffic conditions, however, as well as the one-sided-

ness of the street are likely to encourage development in denial of the potential lying just across the train tracks. The immediate yet invisible proximity of the river therefore poses questions of how a public sphere, enabled by infrastructures such as passages or bridges, in a place where there is absolutely no public space at the moment, is able to create a specific place. A rethinking of the access to and across the river could provide the necessary grounds for a relocation of the tram stop and a possible design of the street space and infrastructural elements.

The originally planned stop, just in front of a nondescript, almost invisible passageway under the train tracks, does not incorporate questions of the river's visibility. Furthermore, it negates a potentially strategic location where pathways coming down from the valley sides intersect the tram stop. Our proposal moves the new tram stop about 100m East of the planned stop. The path following the stream Schäflibach therefore directly intersects the new stop. The radius of influence of the new tram stop not only extends into the Limmat - space via a new pedestrian bridge, but also connects to areas located further away up the path.

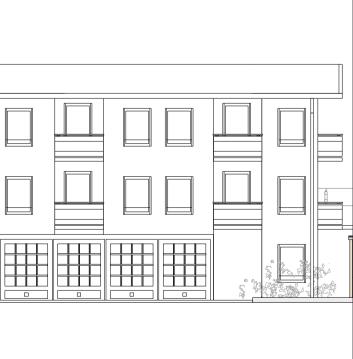


A wooden bridge that stands between two houses, creates portal-like situations and reacts on each side's specificities. Ponte Vecchio, Bassano dell'Grappa, Andrea Palladio, 1569.

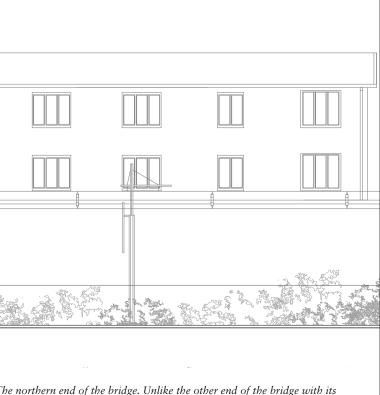
The bridge focuses on connecting the two sides and increasing the visibility of the Limmat. The wooden bridge, with a central wood beam, spans across the train tracks and the Limmat. Between the train tracks, a concrete wall provides support for the beams. A small, wooden stair case allows access to the path along the tracks. At both ends, concrete cores incorporate elevators and provide space for small functions that are different on each end. On the street side, the bridge takes on the nature of the neighboring houses, turning into a tram stop with a small kiosk on the ground floor. A wooden stair case leads directly from the stop up to the level of the bridge. On the forested side, the stair case wraps itself around the concrete core, which provides for a small sheltered seating area.

existing path network along the Schäflibach, extending the reach and impact of the new tram stop. Furthermore, it creates a small centrality for the neighborhood, defining the entrance to the river as a specific moment along the LTB's route.

The bridge connects the Agglomerationspark Limmattal to an



The southern end of the bridge. Integrated in the street facades, the building incorporates the function of a small kiosk. Elevation 1/150



The northern end of the bridge. Unlike the other end of the bridge with its public, more urban function, the northern end only provides for a small program like a fireplace and a seating possibility under the bridge's structure. Elevation 1/150

