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11.307 Beijing Urban Design Studio
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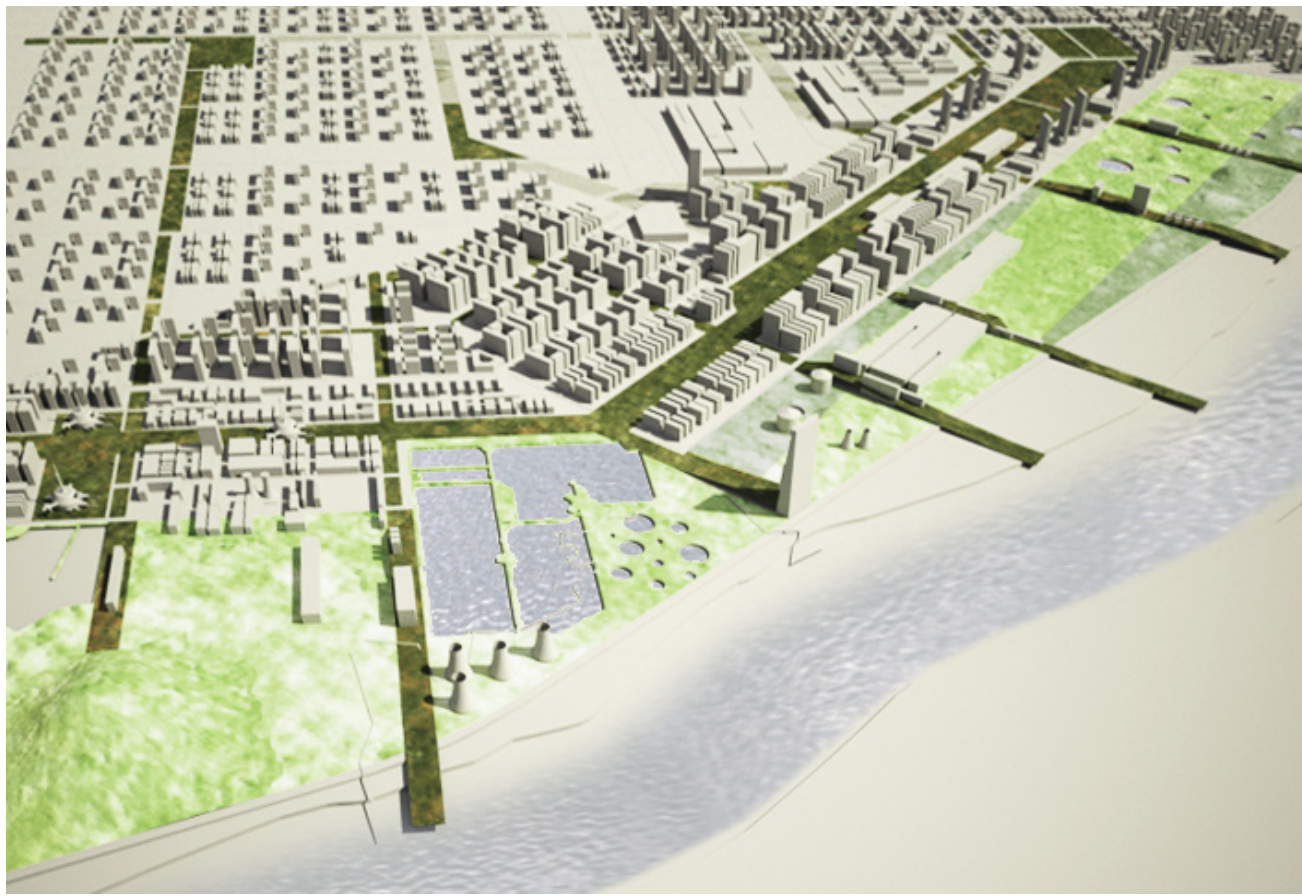
Shougang Urban Nature

Tsinghua-MIT Beijing Urban Design Studio
July 2008

自然与人

清华大学-美国麻省理工学院北京城市设计联合项目
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bird's eye view from the west

The proposal situates a 2 million square meter zoo on the current Shougang Iron and Steel Factory site. Considered a catalyst for the redevelopment of the industrial site, the zoo attracts multiple programs of education, leisure, commerce, offices, housing, and hotels. The project reorganizes the zoo to connect the river to the rest of the city, introducing novel and accessible public spaces to the western part of Beijing.

The conceptual backbone of the project rests on the notion of "high" and "low" and the desire to increase public space in the city. How can the site become a sustainable and profitable attraction while accommodating unemployed steel and iron workers?

设计起源：如何给基地带来足够的商业价值和持久的吸引力？如何解决首钢职工的生活和工作问题？

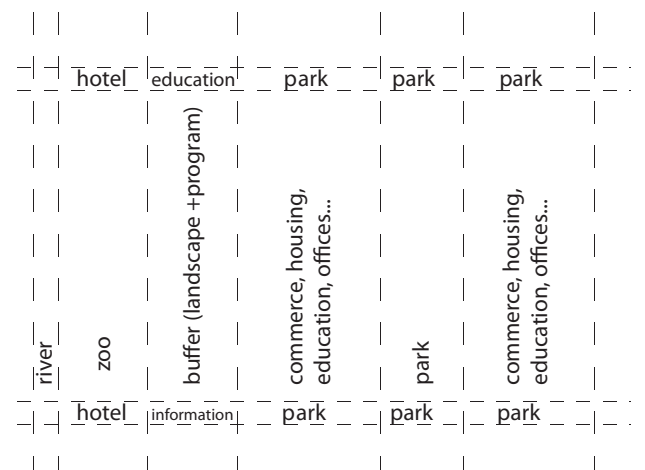
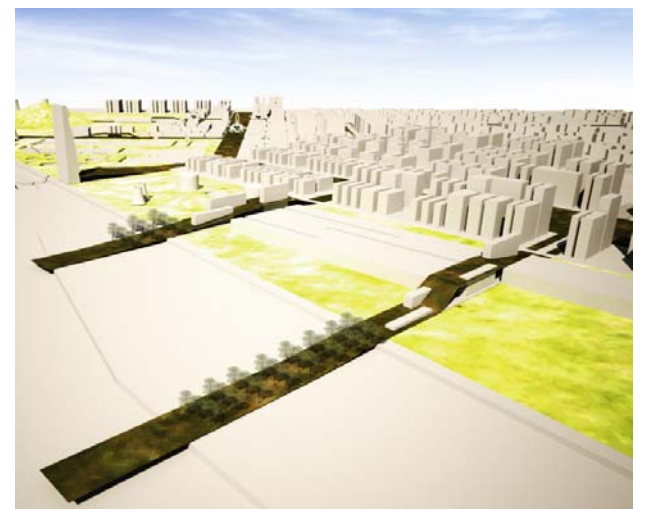
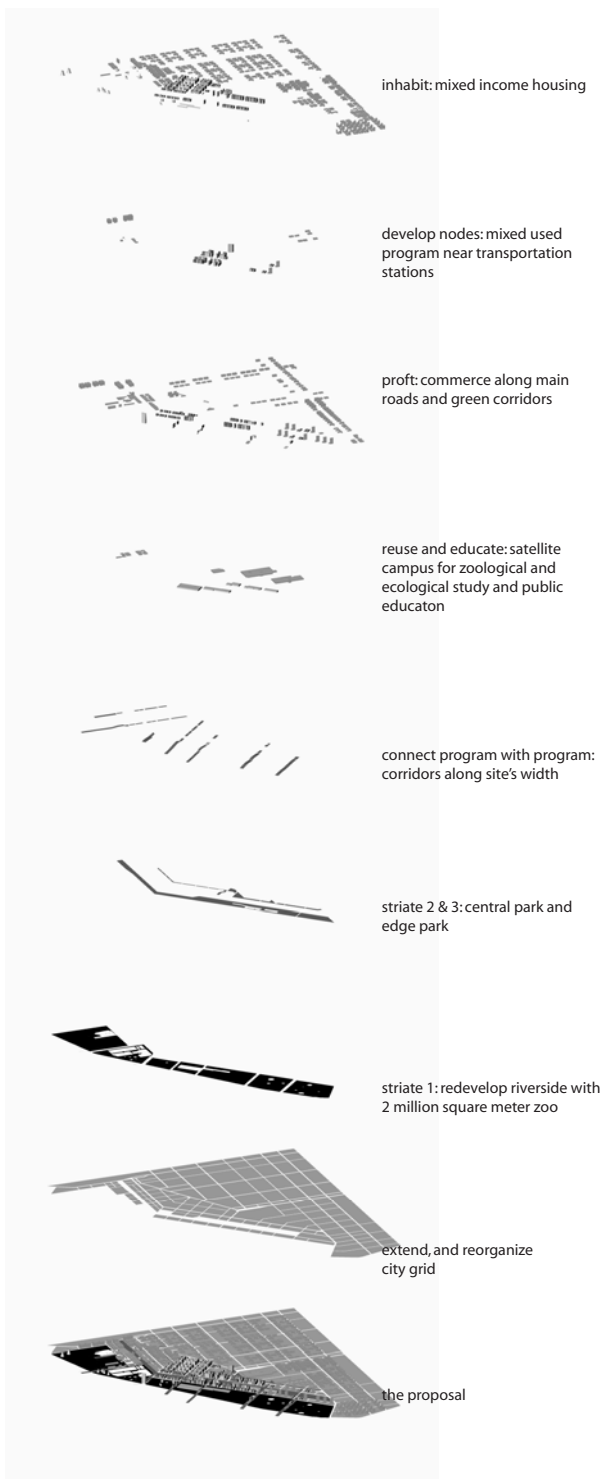
设计重点：兼顾“高层次消费”、“低层次消费”，同时为城市提供更多的公共开放空间。

设计内容：在基地中规划一个200公顷的动物园，以促进首钢地区的再开发。动物园能带来持续不断的消费者，随着人们在此聚集，多种多样的城市功能也随之兴起，如：教育、休闲、商业、办公、住宅、宾馆等，一个成功的动物园将是重新开发商业基地的催化剂；同时我们将动物园作为联系西边的永定河和东边城市区的纽带，将新奇、受欢迎的公共空间带入城市西边区域。

main program - ZOO



green corridor





总体设计

将动物园和大型绿地置于永定河滨水地区，动物园对大众开放。人们可拥有享受动物园和城市景致的特权，同时也能体验在野趣中生活的乐趣。

设置清华大学的分校，为动物学和生态学专业的学生们集中学习植物和动物物种提供试验基地。

用线性的绿色空间形成基地的结构框架，并组织人们的活动。等距的线性空间和高塔东西向延伸，贯穿整个基地，同时伸入城市中，作为联系城市生活的纽带。

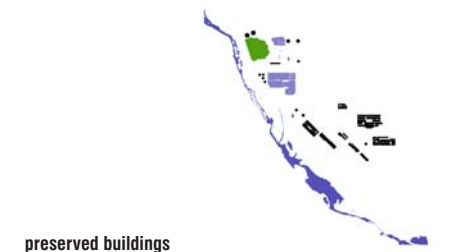
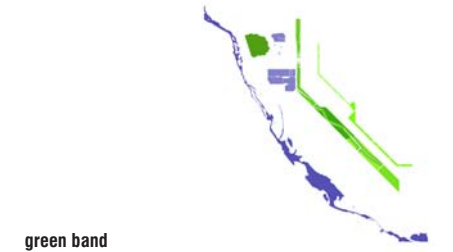
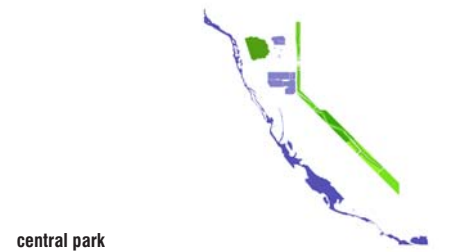
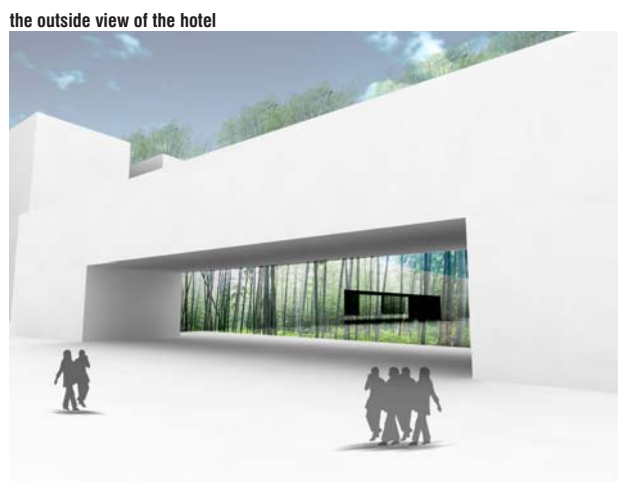
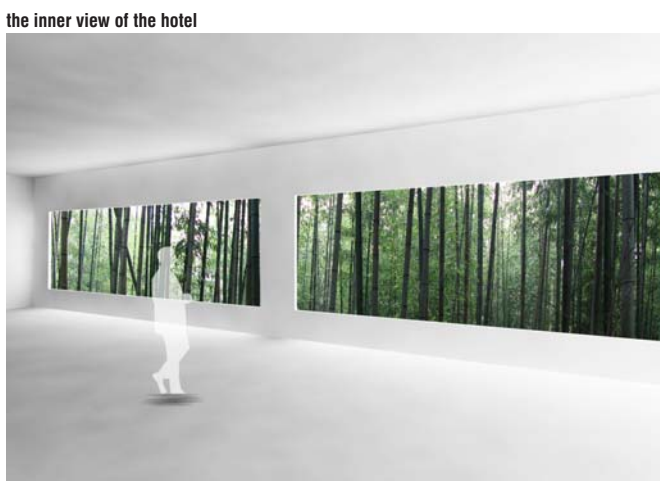
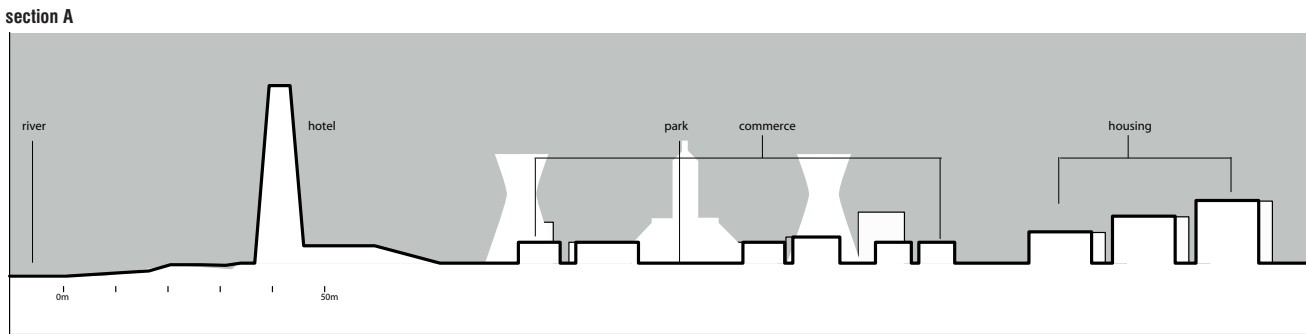
The Masterplan

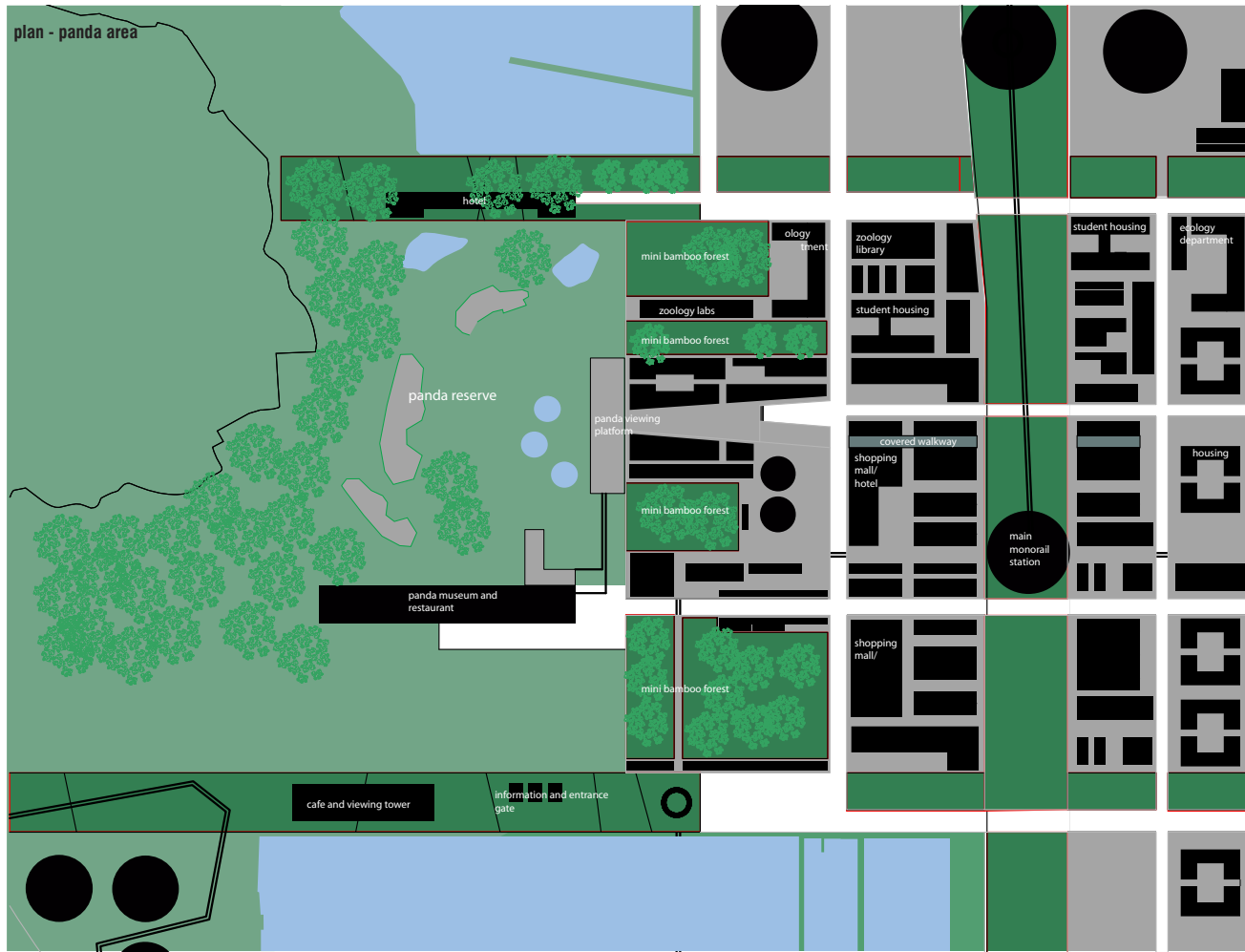
The masterplan acknowledges the riverside as a potential site of leisure for both locals and tourists. The proposed zoo and green areas occupy the riverside in a gesture of publicness. The zoo, as we imagine, is open to the public for a nominal fee. Not to be mistaken for an overly idealistic masterplan, however, the project includes exclusive hotels and privileged views of the zoo and the city. Those who can afford the experience, may pay to live *in the wilderness*.

The project is more than just a tourist site. We propose a satellite campus of Tsinghua University. Students from the Departments of Zoology and Ecology will conveniently study plants and animal species on a first-hand basis. Students, faculty, and support staff may comprise a permanent population of the Shougang site.

Linear green spaces organize the site and activities. A developer's dream, the central park offers scenic views from flanking buildings. Additionally, corridors of landscape and program run across the width of the site - from the river to the eastern edge. These finger-like corridors both separate zones within the zoo, and extend into the city, acting as strips of circulation. Placed equidistant from each other, each finger generally includes a monorail stop and direct entrance into the zoo.







Zooming In: The Panda Reserve

Existing cooling towers and a triangular shaped plaza mark the entrance to panda viewing area.

A buffering zone of mini bamboo forests and educational and commercial programs separate the zoo from the city. These programs are arranged in alternating bands, allowing pandas access to bamboo and people access to buildings.

In our proposal, Furnace 4 is converted into one of the main monorail stations. It is conveniently situated near the Panda Reserve, an area that will surely become a major draw for the zoo.

节点：熊猫馆

现有的冷却塔和一个三角形的建筑组合，构成熊猫馆观景区的入口。

一片小面积但茂密的竹林结合教育和商业中心布置，将公园和城市分隔开。教育和商业中心排列于绿化带中，人们可以通过这些绿带进入建筑，熊猫也可以由此接近竹林，人和动物还有机会近距离接触。

在设计中，4号高炉是一个主要的单轨站点，它为动物园的重点地区——熊猫馆提供了极为便捷的交通。

