




XIU CHEN



*Landscape Architecture Designer
The University of Chung Yuan*

Portfolio.



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+886 956-620-260

EDUCATION

Chung Yuan Christian University, Taiwan
Bachelor of Landscape Architecture
Anticipated Graduation: August, 2018



SKILLS

MODELING / RESEARCH SOFTWARE

AutoCAD, Revit, Rhinocero, Grasshopper, 3D Printer, ArcGIS

RENDERING SOFTWARE

Lumion, Twinmotion, D5 Render, Illustrator, Photoshop, InDesign, Lightroom, Premiere

HAND DRAWING / E-PAINTING / 3D-PAINTING

Charcoal pencil, Color pencil, Procreate, Trace, ZBrush

VISUALIZATION / ART / MUSIC

Modular Synthesizer, Touchdesigner, P5.js, TidalCycles, Handpan, Flute

LANGUAGE

Mandarin, English, Japanese, Deutsch

LEADERSHIP / ACTIVITIES

GRADUATE EXHIBITION COMMITTEE

Editor in chief of Graduate Publication, 2018

STUDENT ASSOCIATION OF LANDSCAPE ARCHITECTURE DEPARTMENT

*Editor in chief of
Landscape Architecture Journal, 2017*

DEPARTMENT OF LANDSCAPE ARCHITECTURE SUMMER CAMP

Leader of Vice Coordinator, 2016

STUDENT ASSOCIATION OF CHUNG YUAN CHRISTIAN UNIVERSITY

Member of Secretary Department, 2015

EXPERIENCES

WEN SHENG LEE ARCHITECTS & PLANNERS, TAIWAN

Project Designer, Fall 2019 - Fall 2024

- Programmed multiple landscape planning of Congregate-housing, including the operation of urban design, 3D modeling and animate, interface research of materials and construction, etc.
- Enhanced chairing meetings and tasks assignment, customizing team workflow, including AutoCAD sheetset and field block, 3D workflow, etc.

BABO INTERIOR DECORATION CO., LTD, TAIWAN

Design Assistant, Fall 2018 - Winter 2018 (military service)

- Worked on multiple projects of Interior with construction supervision, client presentation, materials visualizations, construction drawing, etc.

GIS / CFD WORKSHOP, TAIWAN

Workshop, Summer 2018

- Created wind field analysis models using Arc GIS, CFD, Rhino and Grasshopper.

PARAMETRIC DESIGN WORKSHOP, TAIWAN

Workshop, Spring 2018

- Enhanced modeling and research skills, including landform modeling, grading, wind field analysis using Rhino and Grasshopper.

UNIVERSITY OF WASHINGTON, SEATTLE, WA

Workshop, Summer 2017

- Created site analysis diagrams, graphics and maps for research presentations.
- Photographed a series of urban landscape and renderings using Adobe Photoshop, Lightroom, and Illustrator.

PER. PROJECTS

No.	BRAND	DETAIL	ROLE	YEAR	
003	Phyto XX	Graduate Design	Headed Project	SD, 2019	●
001	ModularSynth	VCV Rack Patch Collection	Artist	2023	
002	CAD-SSM Setup	SSM Workflow Setup Note	Workshop Host	2024	
004	Rhino Course	Employee Training Course	Workshop Host	2024	

Co. PROJECTS

No.	BRAND	DETAIL	ROLE	YEAR	
001	Zhu-Feng	Meiren Sec., Songshan Dist.	Headed Project	CA, 2019	
002		Qingcheng St., Songshan Dist.	Headed Project	CD, 2023	
003	Jing-Mao	QingShan Sec., Dayuan Dist.	Headed Project	DD, 2019	●
004	Dong-Teng	Chin Yi	Headed Project	CA,2019	●
005	Changer	Chang Jie Fu Fu	Headed Project	CA, 2019	
006	Cathay	Cathay Li-Bai-Dai	Assisted Project	CA, 2019	
007		Cathay Uni Park	Assisted Project	CA, 2020	
008		Cathay River Park	Assisted Project	CA, 2021	●
009		Cathay Forest Hui	Headed Project	CA, 2021	
010	HanHuang	Wuchang St., Zhongzheng Dist.	Headed Project	DD, 2021	●
011	Pauian	Pu-Kai-Shih	Assisted Project	DD, 2022	
012	Hong-Chi	Qidong St., Zhongzheng Dist.	Headed Project	CD, 2022	
013	Huan-Ju	Zhengyi Sec., Zhongshan Dist.	Headed Project	DD, 2023	●
014	Holin	Qingping Sec., Zhongli Dist.	Headed Project	DD, 2023	
015	Chailease	Gjilin Sec., Zhongshan Dist.	Headed Project	DD, 2024	

06	Phyto XX	<i>Graduate Design 2018</i>
20	東騰青一	<i>Headed Project 2019</i>
26	筑丰松山慶城街	<i>Headed Project 2023</i>
32	桓邦中山正義段	<i>Headed Project 2020</i>
36	國泰RiverPark	<i>Assisted Project 2021</i>
42	漢皇中正武昌街	<i>Headed Project 2021</i>
46	RELATE	<i>Growth Process</i>

PHYTO XX

Graduate Design 2018
Changhua County, Taiwan

Phytoremediation for Peasant Agriculture

「藉修復之際，平衡環工技術與產業效益。」

在工業化進程下的農業地景，飽受重金屬汙染之痛，產糧農地一再地被插上白牌宣判死刑，土地修復的迫切性更顯得不可避免。我們以田園工廠搬遷的過渡時期為基礎，以景觀效益為切入點作為植體修復重金屬的研究設計，並以生質產業的潛力開發作為附加價值的產出，在自由經濟下利用小農模式經營項目的整治計畫，創造一項由下而上的彈性組合設計。此計畫旨在以農民福祉為出發，並提供一套具有多種附加價值的修復方案，解決農業汙染問題。



PRELIMINARY MAPPING

台灣過去三十年間，工商業高速發展，工業聚落及都市發展逐漸擴張至農業區域，導致國土使用規劃趨於紊亂，公共排水及下水道設施建設不及，環境汙染隨之伴隨而來。綜觀而言，農地汙染多集中於工業廢水排放點下游與工農使用混雜區，反映出工農生產區位不相容的環境汙染根本問題。工廠產生的廢棄物及廢

水，或石化業及廢五金燃燒產生的排煙及落塵等問題，均可能造成土壤不同程度的汙染，其中含重金屬的工廠廢液隨著灌溉水流進農地，以及受限於水量分配被迫引灌溉水質不良的回歸水等兩因素，為農地遭受重金屬汙染的主因。

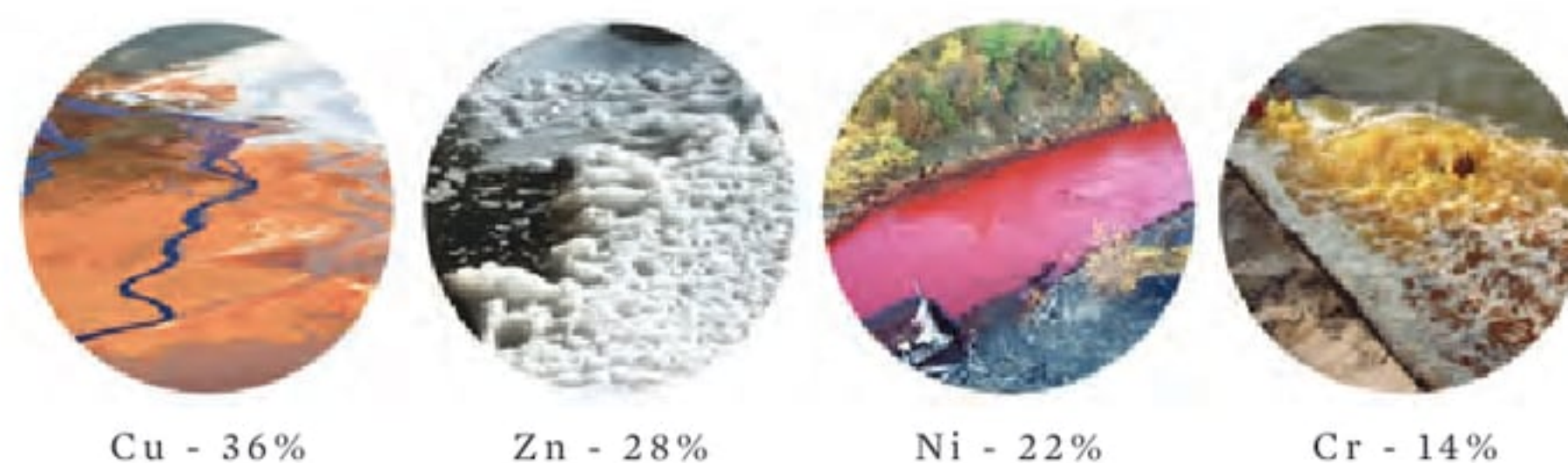


FIGURE 01
METAL TYPE IN SITE



FIGURE 02
CONTAMINATED FARMLAND

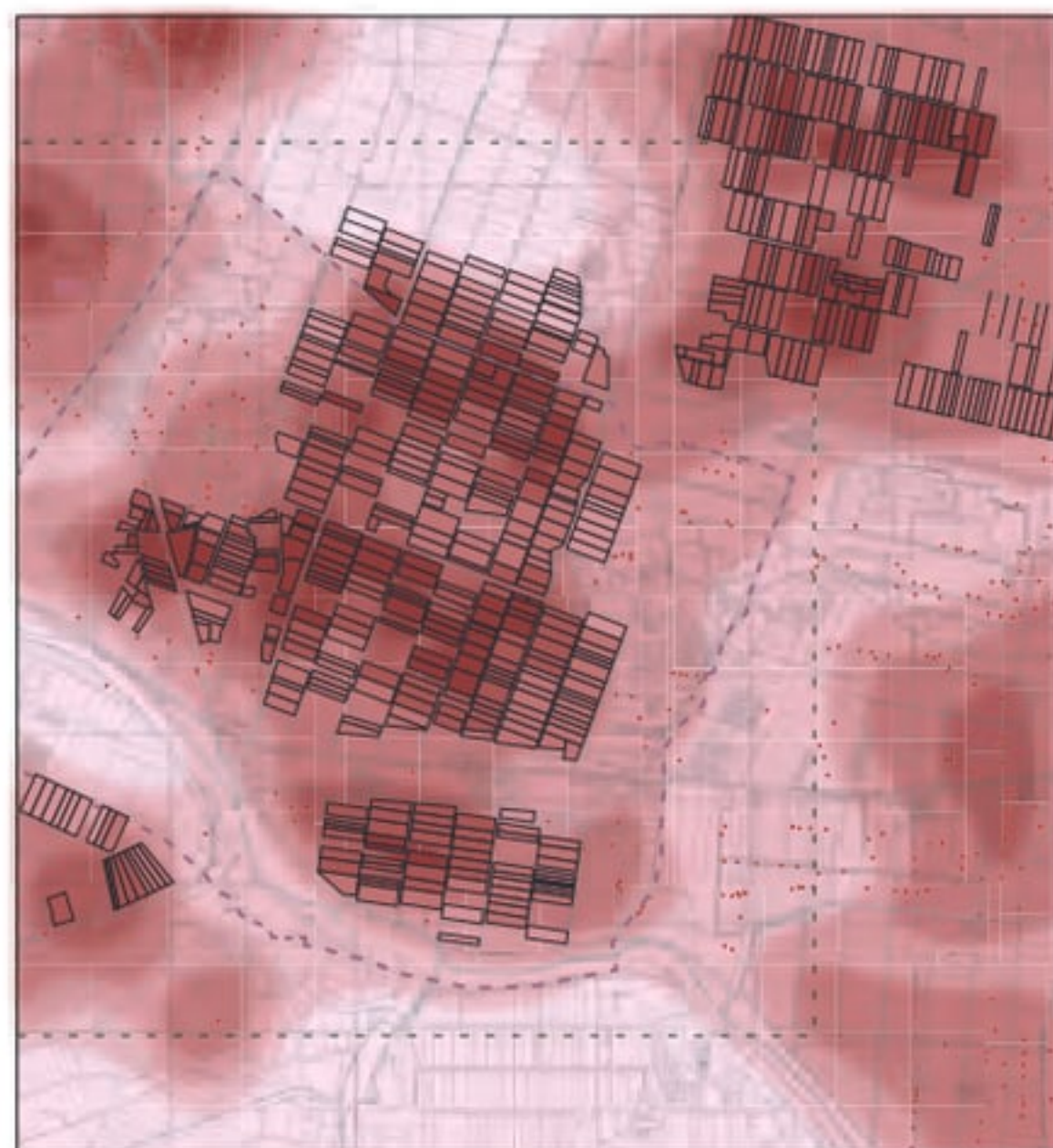
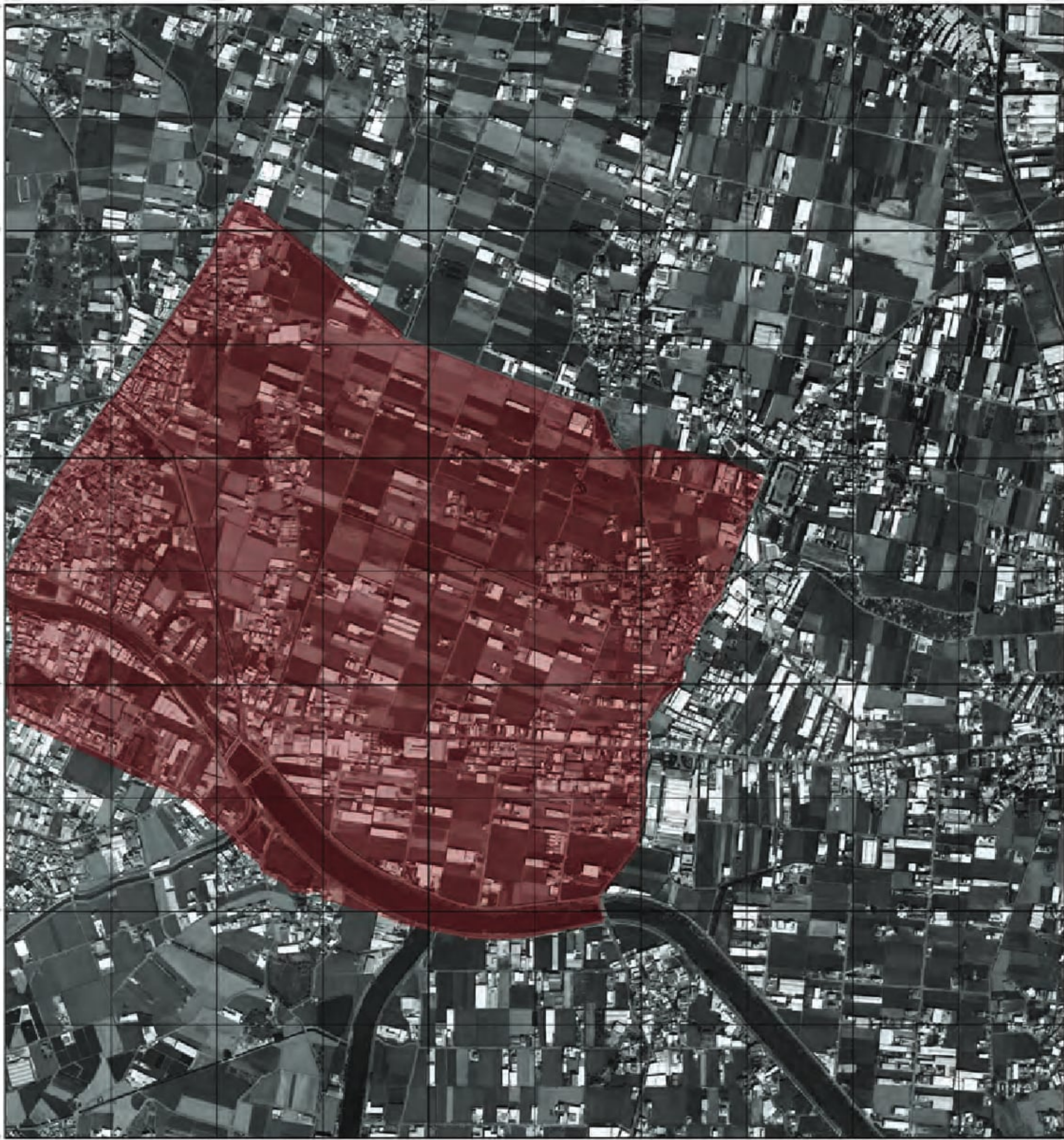


FIGURE 03
CONTAMINATED LEVEL



FIGURE 04
CONTAMINATED DEPTH



XIATIANWEI , CHANGHUA COUNTY, TAIWAN (R.O.C.)



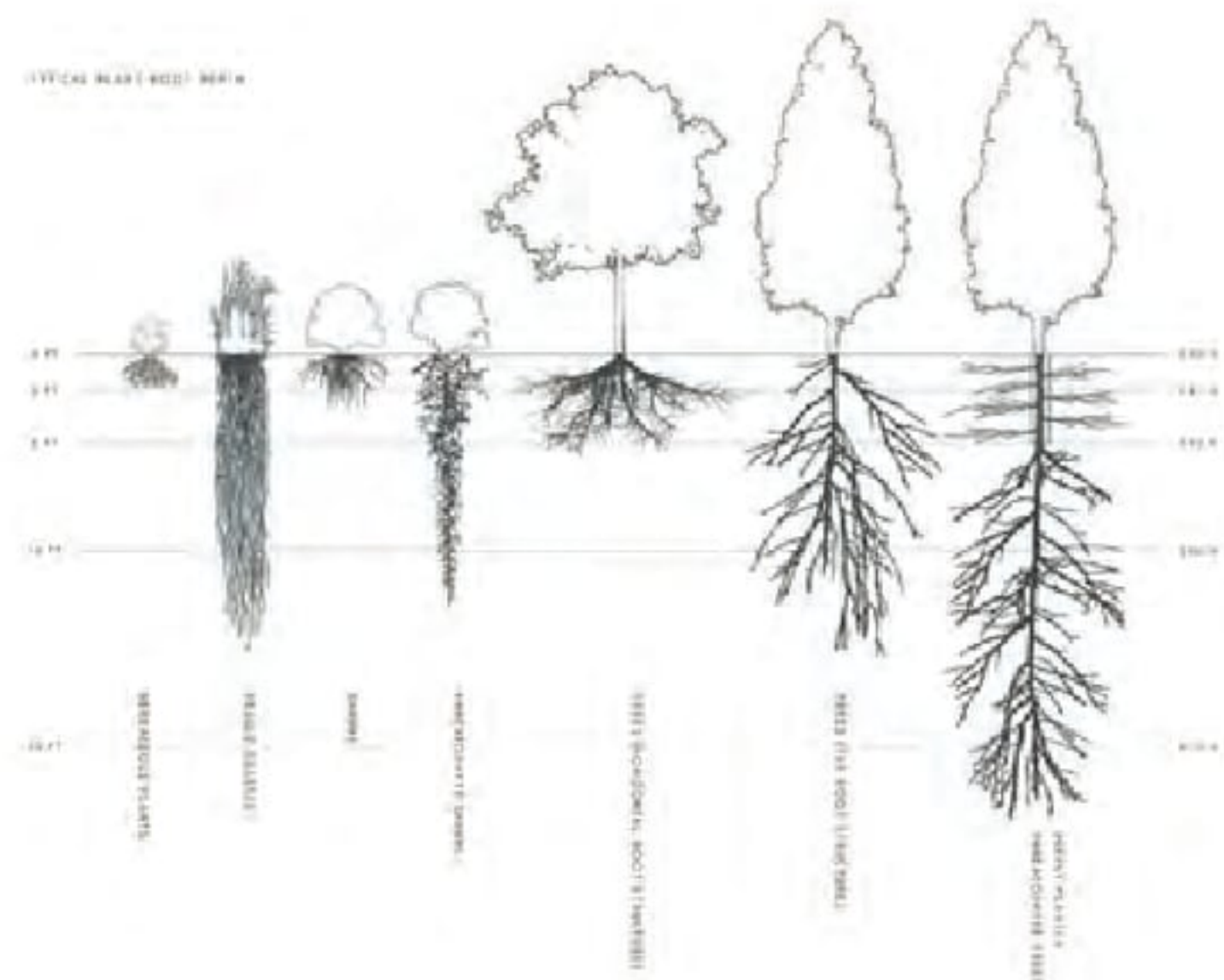


FIGURE 08
TYPICAL PLANT ROOT DEPTH

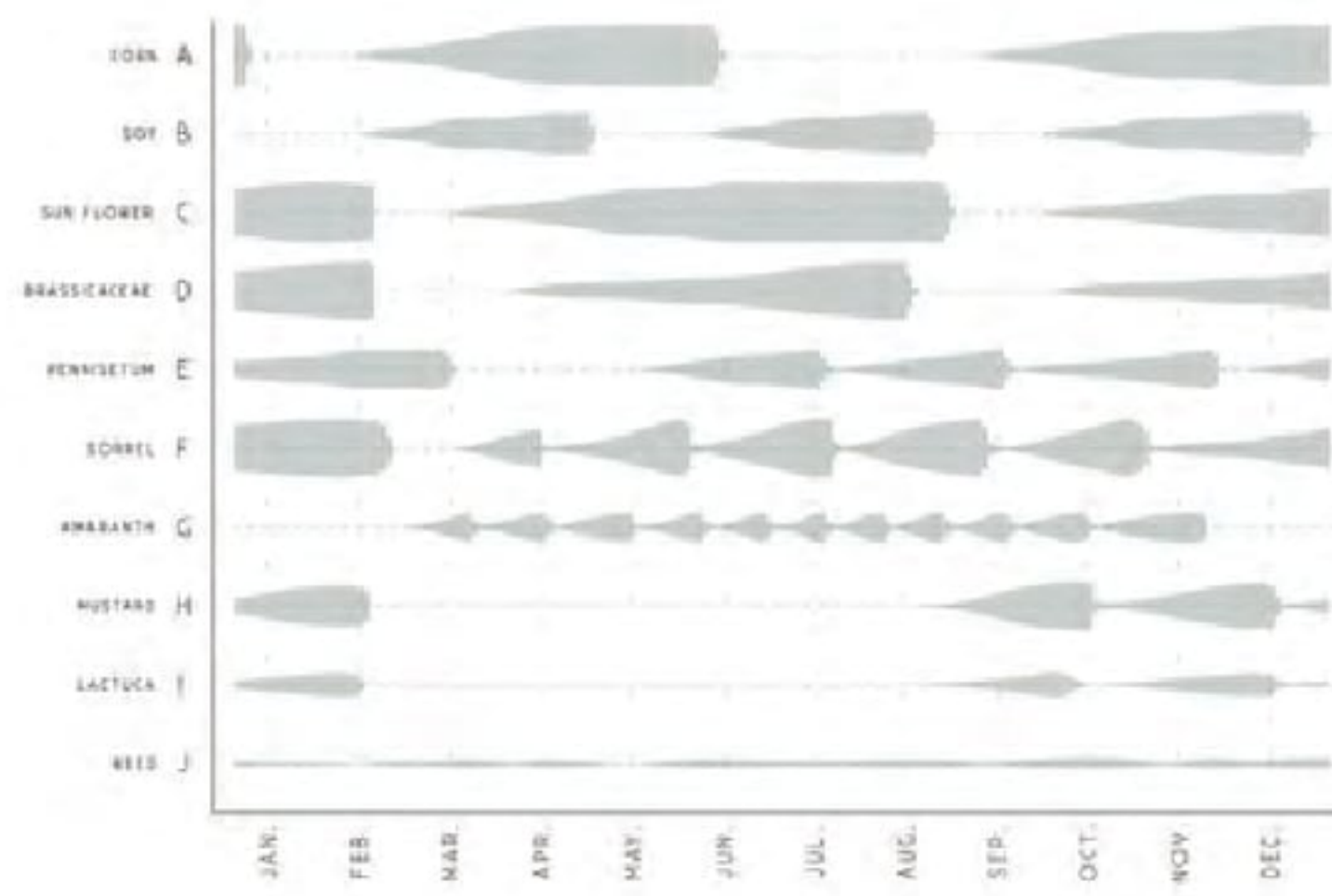
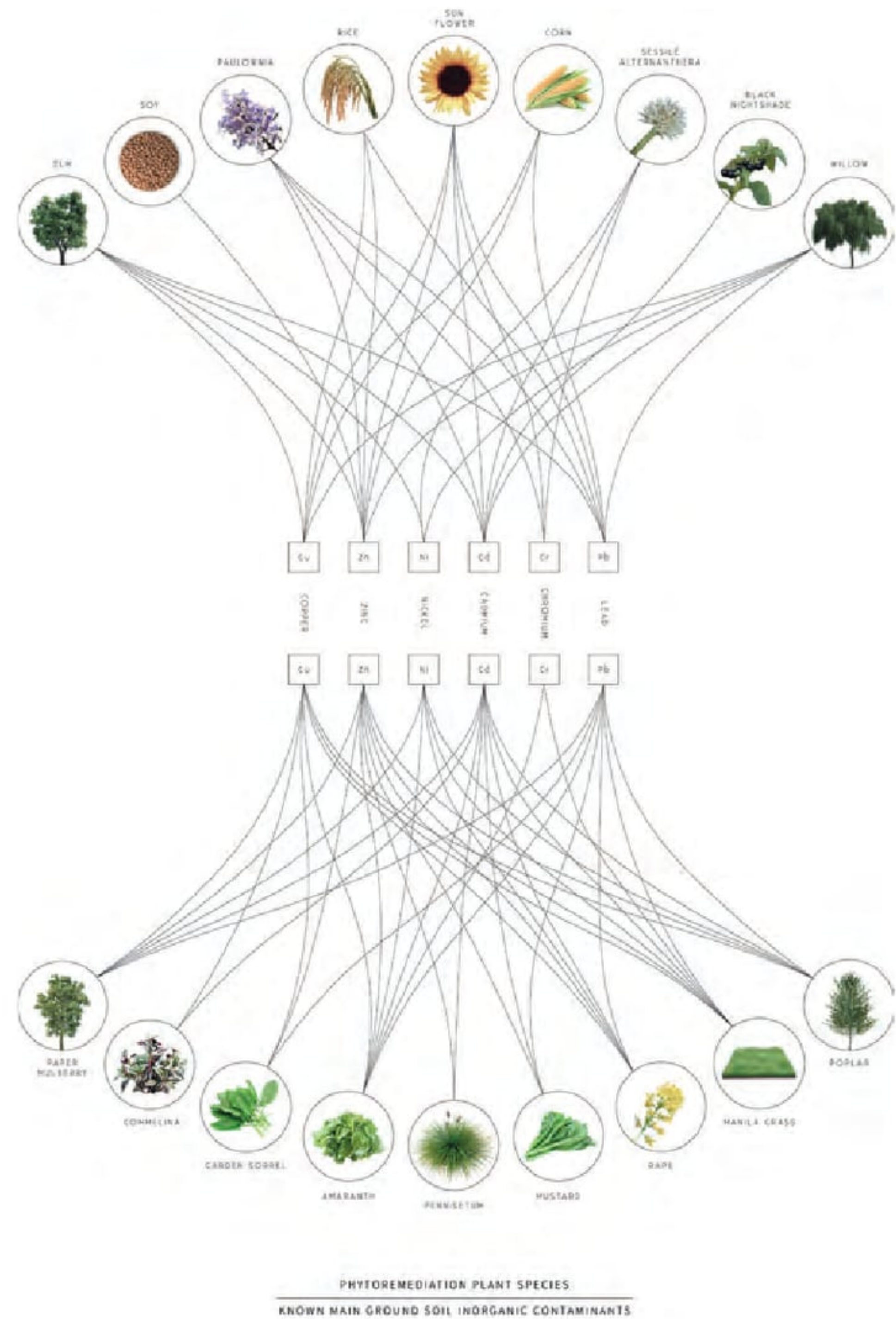


FIGURE 07
GROWTH PERIOD



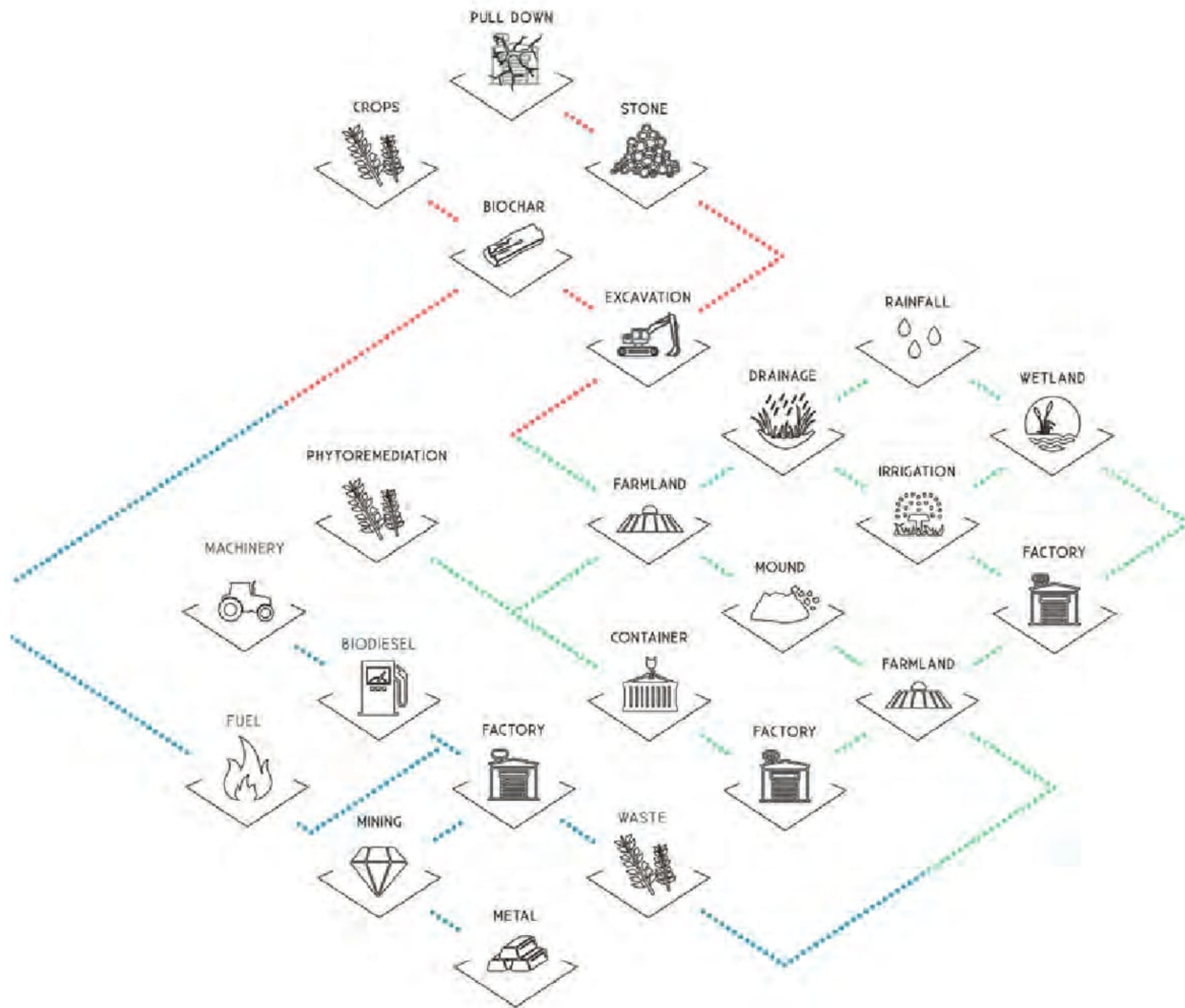


FIGURE 09
OPERATION PROCESS

CHECK LIST

M-01	M-02	M-03	M-04	M-05

METAL

LOCATION

AREA TO FABRICATE
 NEXT TO THE FACTORY

DEPTH

0.5M 1.2M
 0.8M 1.6M

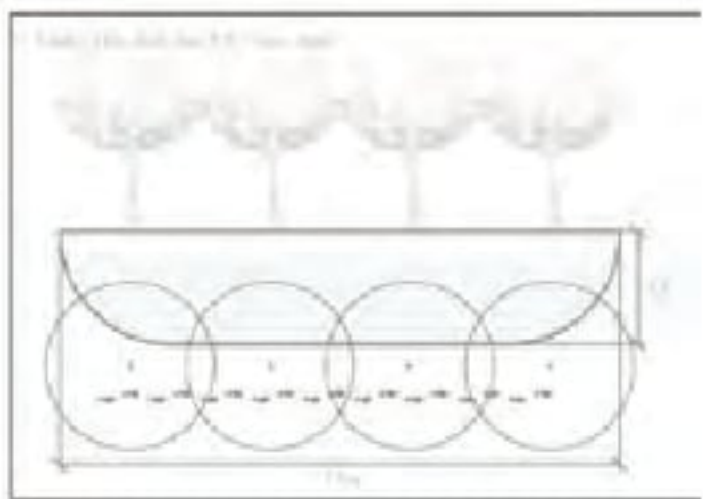
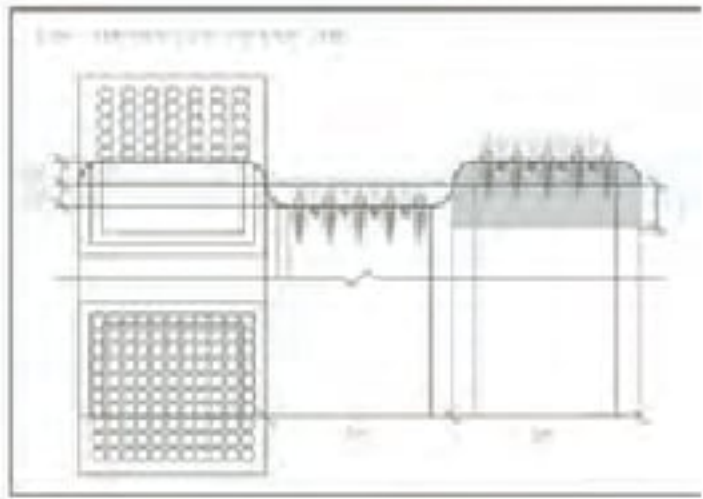
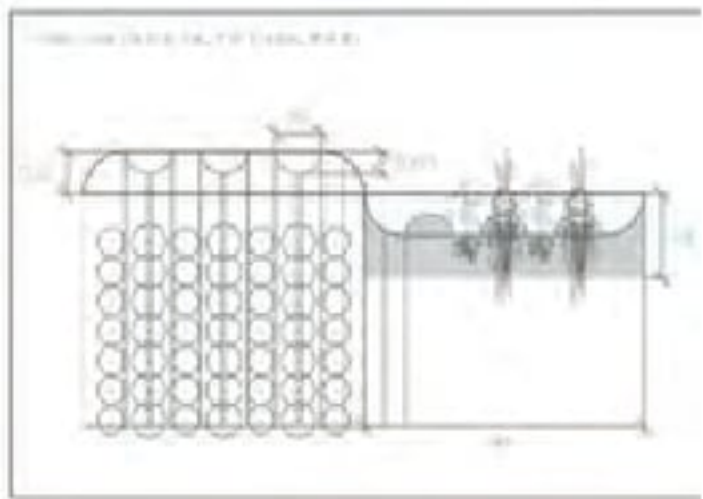
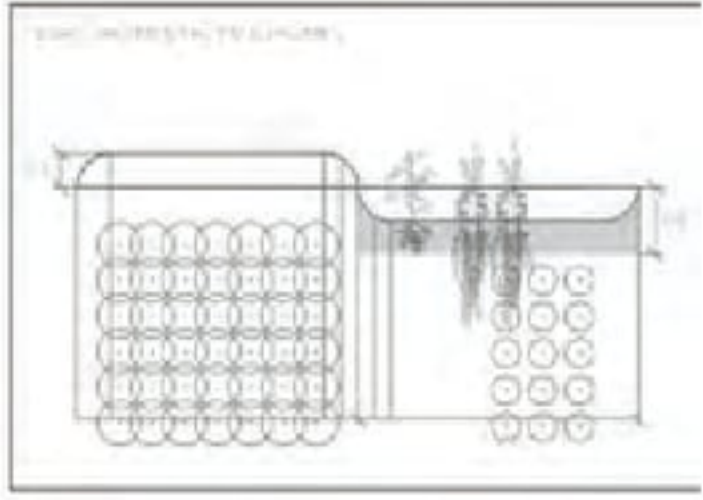
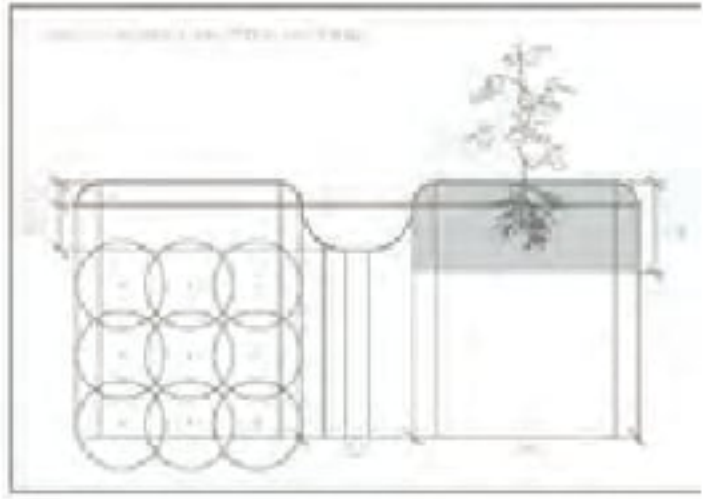
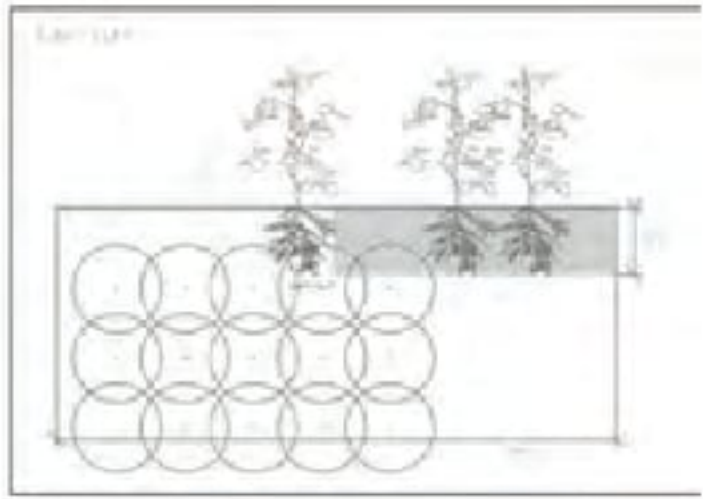
01	02	03	04	05
06	07	08	09	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45

44 TYPES ON SITE

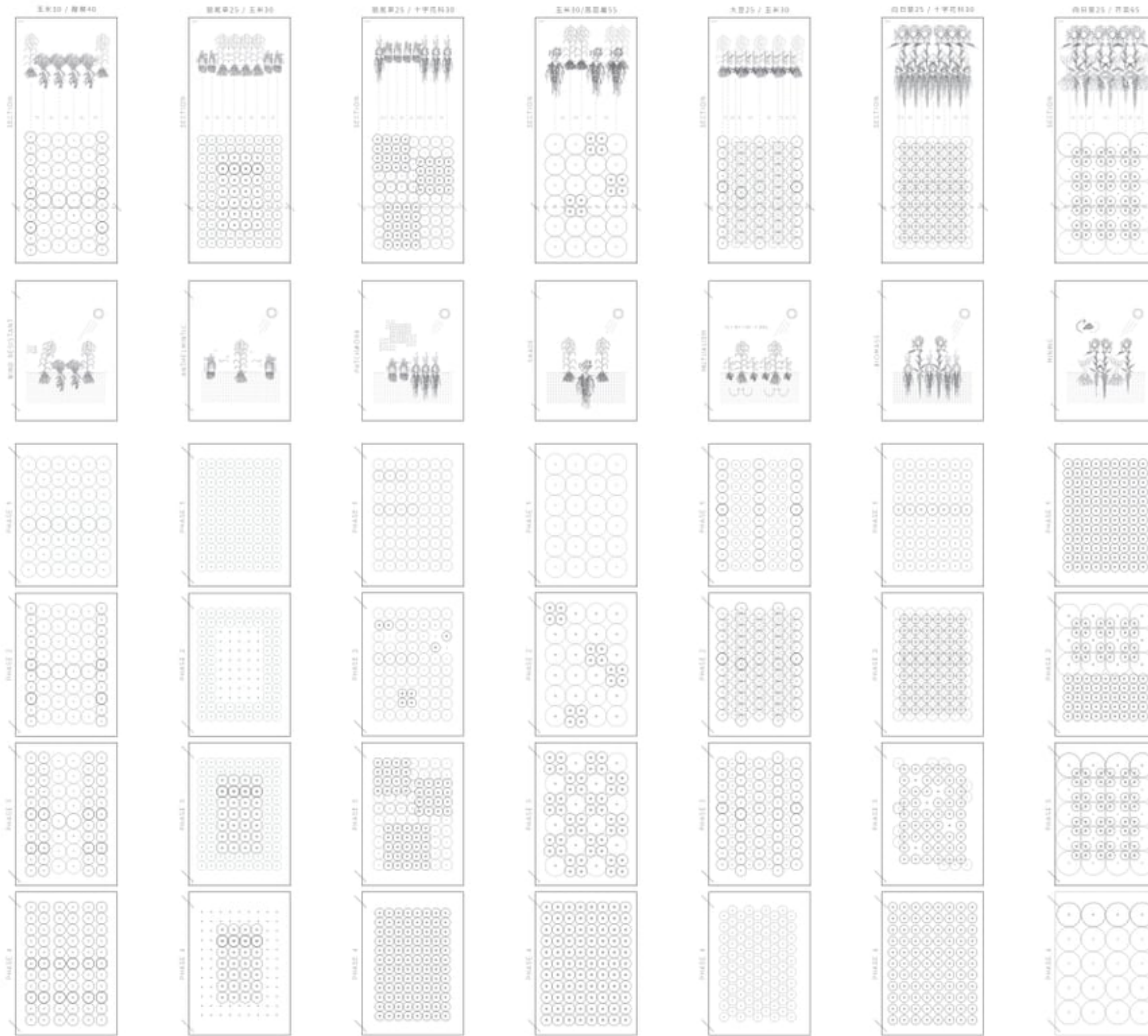
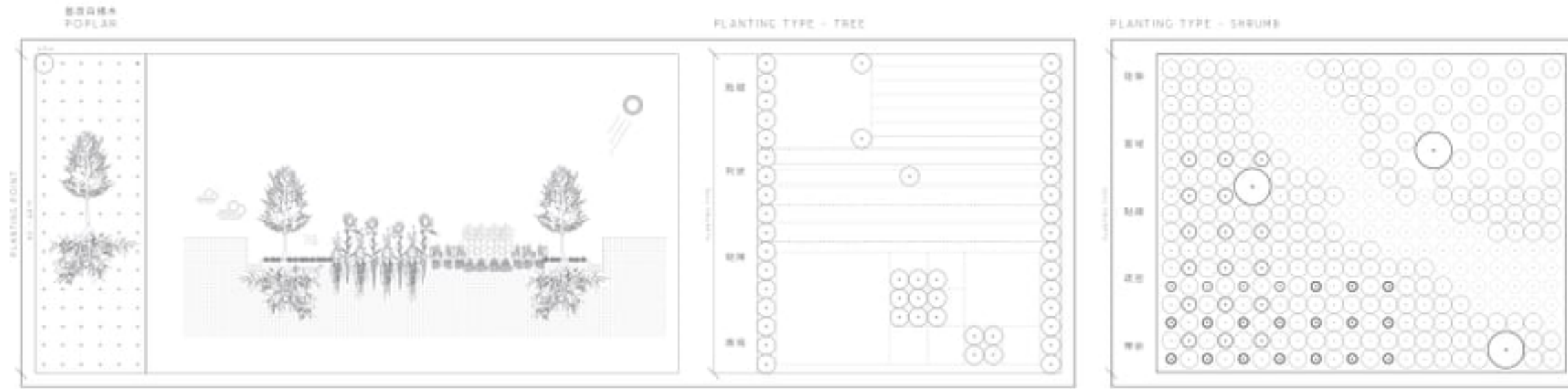
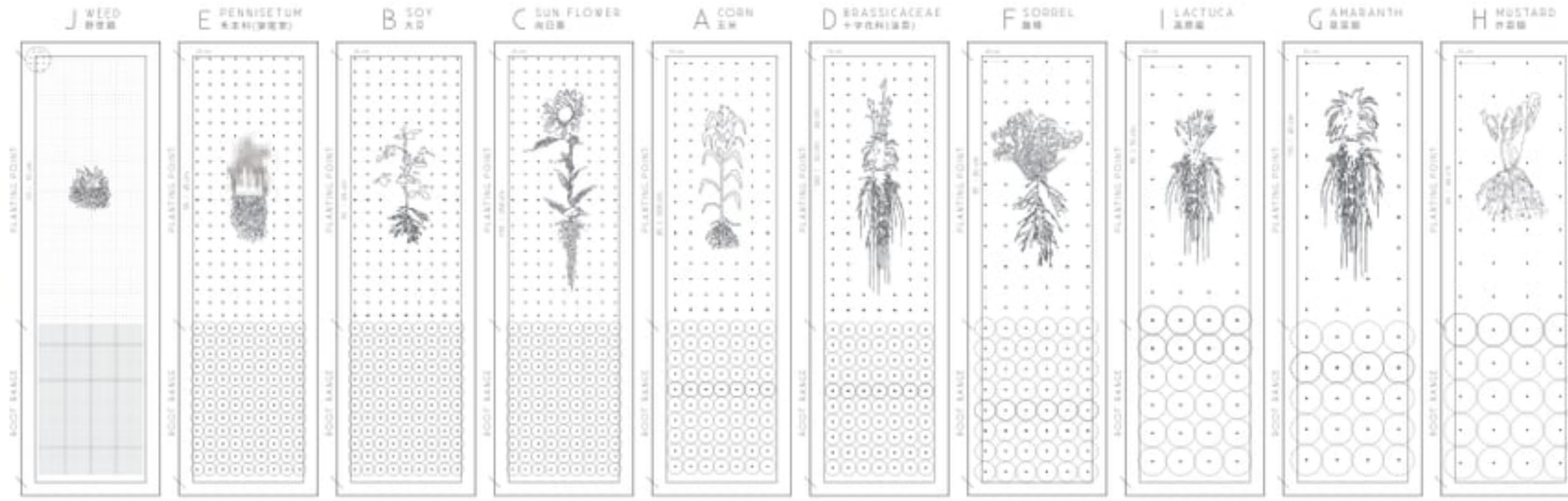
0.5M 1.2M
 0.8M 1.6M

		LANDFORM	
		CONTAINER	
			EARTHWORK
GRID			
ORIENTATION			
PLANTING			
LANDSCAPE			

	STAGE 5
	STAGE 1-1
	STAGE 1-2
	STAGE 2-1
	STAGE 2-2
	STAGE 3
	STAGE 4
	STAGE 5



PLANTING TYPE





將金屬種類、汙染深度與所在區位進行辨識，列舉所有型態的汙染情況，多達 20 種汙染原型。隨後以每一塊單元開始進行修復內容的擬定；我們列出了修復期間可能出現的地景樣式（耕地、濕地、集裝箱的堆放），再接著考慮土壤修復的狀態（直接修復、移地修復、原地挖填平衡），最後再依據地貌型態表現與植栽根系特性進行樣式的制定。

以基地上土壤最大安息角與自然洩水最小坡度作為範圍，找出合適的級距。又因位於農業地景上，我們以最適合機具維管與人可活動範圍作為最佳選擇，因此整地形式將接近於一般農業型態。時序上我們將以分期概念進行，配合植栽根際深度來擬訂分期計畫與除汙比例，以搭配最短時間成本之組合。加上基地農田單位大小，計算出合適的 6 種整地原型，再套上汙染深度，在前述的洩水坡度與土壤安息角範圍內做樣式的產出。

我們列出了適應性高的物種，並將其標註根系深淺。不考量一般農業上的最高產量種植法，而以最大根部範圍作為栽種間距，進行基礎栽種原則。其中修復植物近一半為生質能源作物，將提升後續處理的經濟效益。不同植物之間因根深、根寬等差異有其不同的排列方式，其中又以互利共生、或是有特殊需求的植物更為特別。種類分別為抗風倒、抗病蟲害、面域置換不同耕期作物、提供遮陰或單株植物死亡、固氮作用、生質效率或花色、植物礦存率。

組合形式多樣，因此我們在編排過程中將逐步篩檢植栽可適性，如根際深淺與整地深度等因素，再者為植株高度與排水採光等環境條件，呈現樣式供小農選擇。







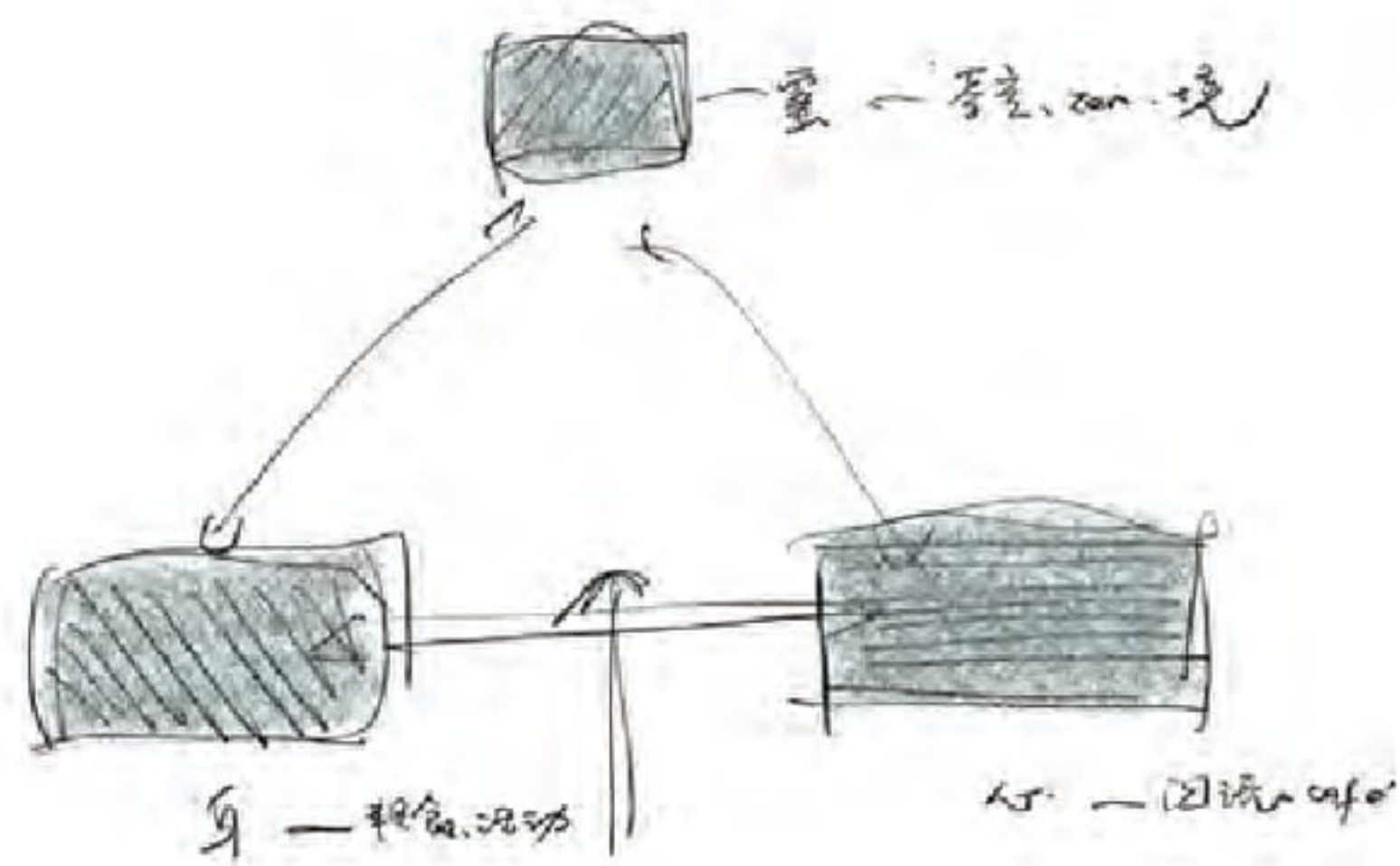


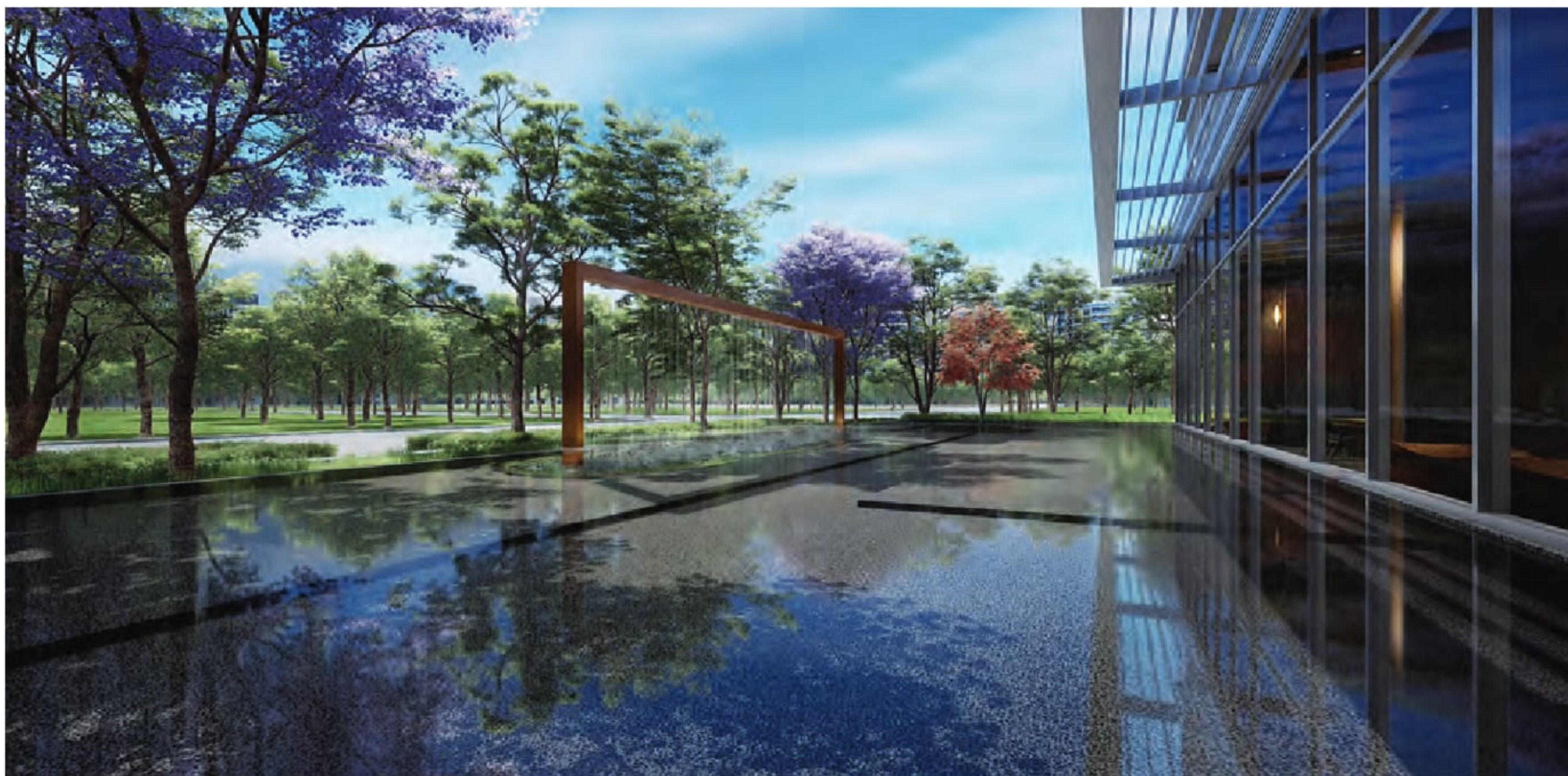
東騰青一

Headed Project - 2019

Taoyuan City, Taiwan

Mirror Water with Colour Leaves in Skylight







1 Floor Plan, 5792.70m²



Open Space



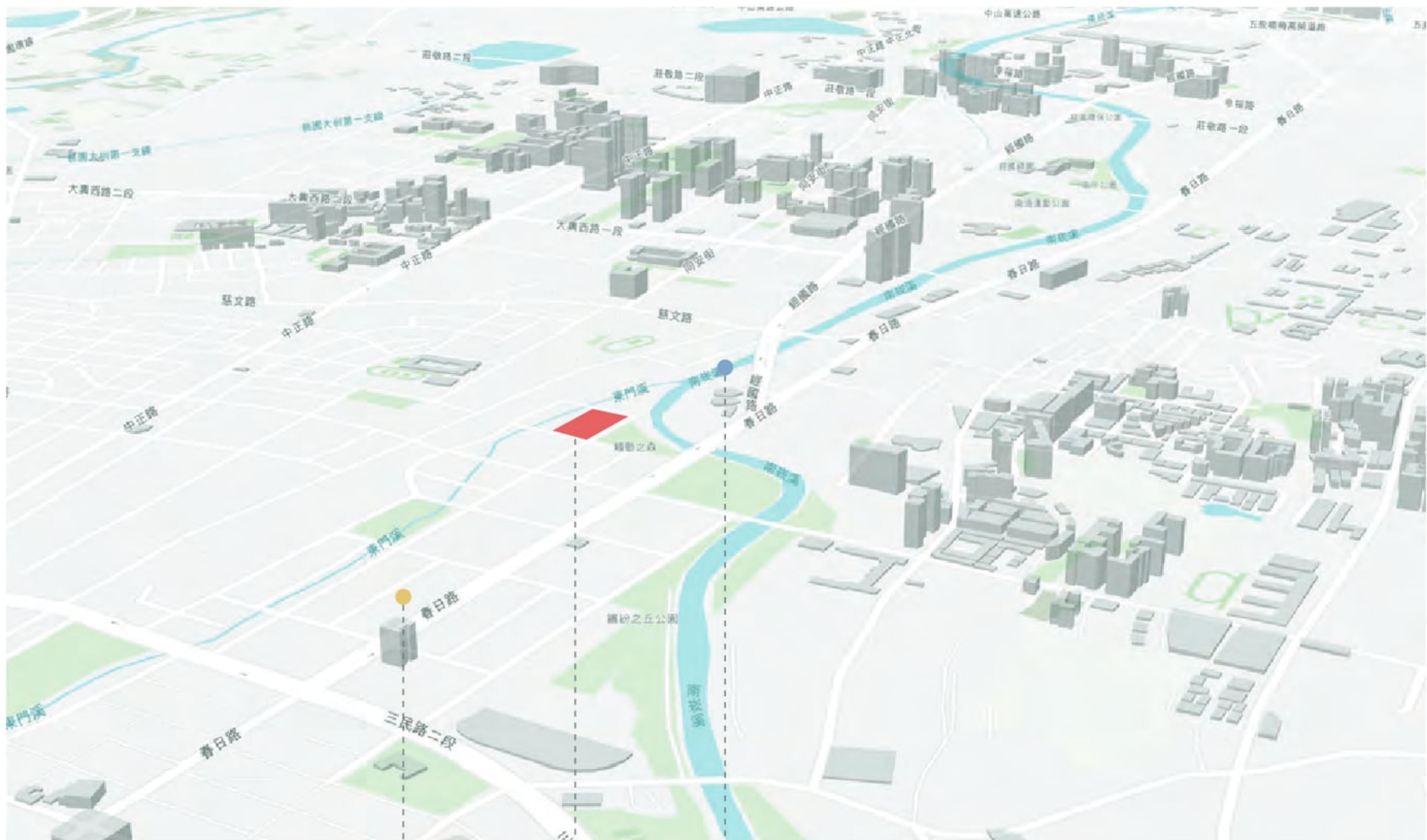
Plants diagram



Pavement diagram



Drainage diagram



桃園
火車站



小檜溪重劃區
(春日路)

基地位置

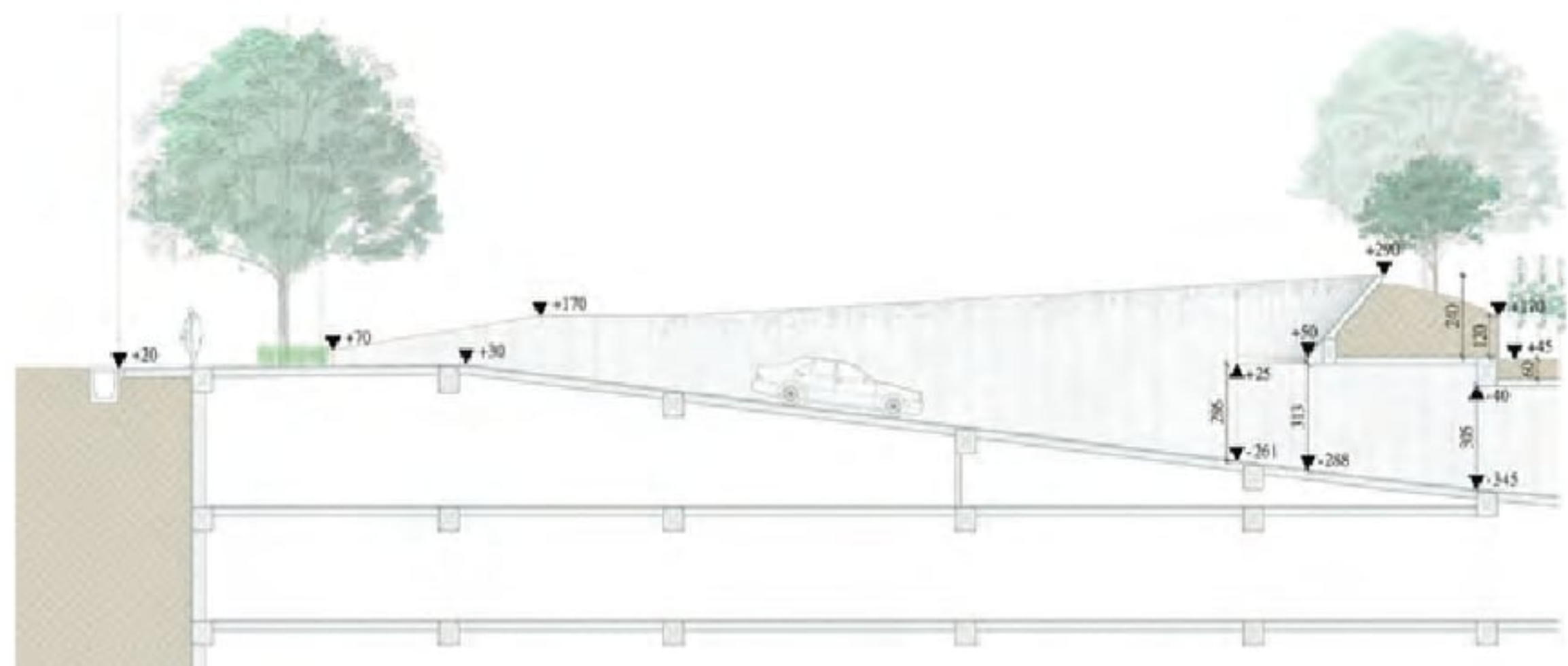
南坎溪

Site Analysis Mapping



基地位於桃園市小檜溪重劃區，面臨南坎溪自然景色。景觀以水的對比及反映，將遠方自然景色反射進室內，形成天光景色連綿一體。

為呼應公設概念：「身」（全日餐）、「心」（咖啡閱讀）、「靈」（茶屋）的空間配置，景觀自其延伸出「動」（潺潺水瀑）、「靜」（磐石跌影）、「隱」（悠謐竹林）的景緻，讓室內的活動能有與其相對應的心境。



靜影池景
-
倒映樹影天光
使景色由外而內





潺流池景

-
雨濂般的水幕
揚起人們歡愉的氛圍



SportBar

-
半戶外的香檳調間適
點亮空間的生活體驗

筑丰松山慶城街

Headed Project - 2023

Taipei City, Taiwan

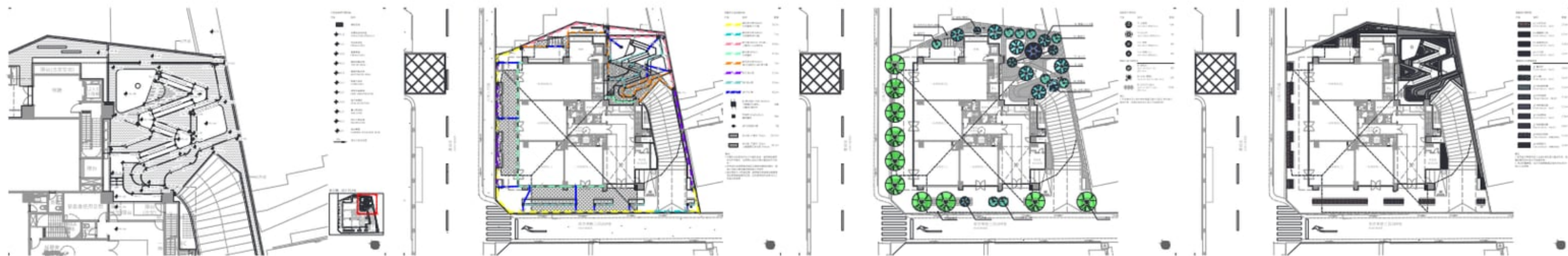
Thousand Ponds in Water Garden







1 Floor Plan, 1256.59m²









桓邦中山正義段

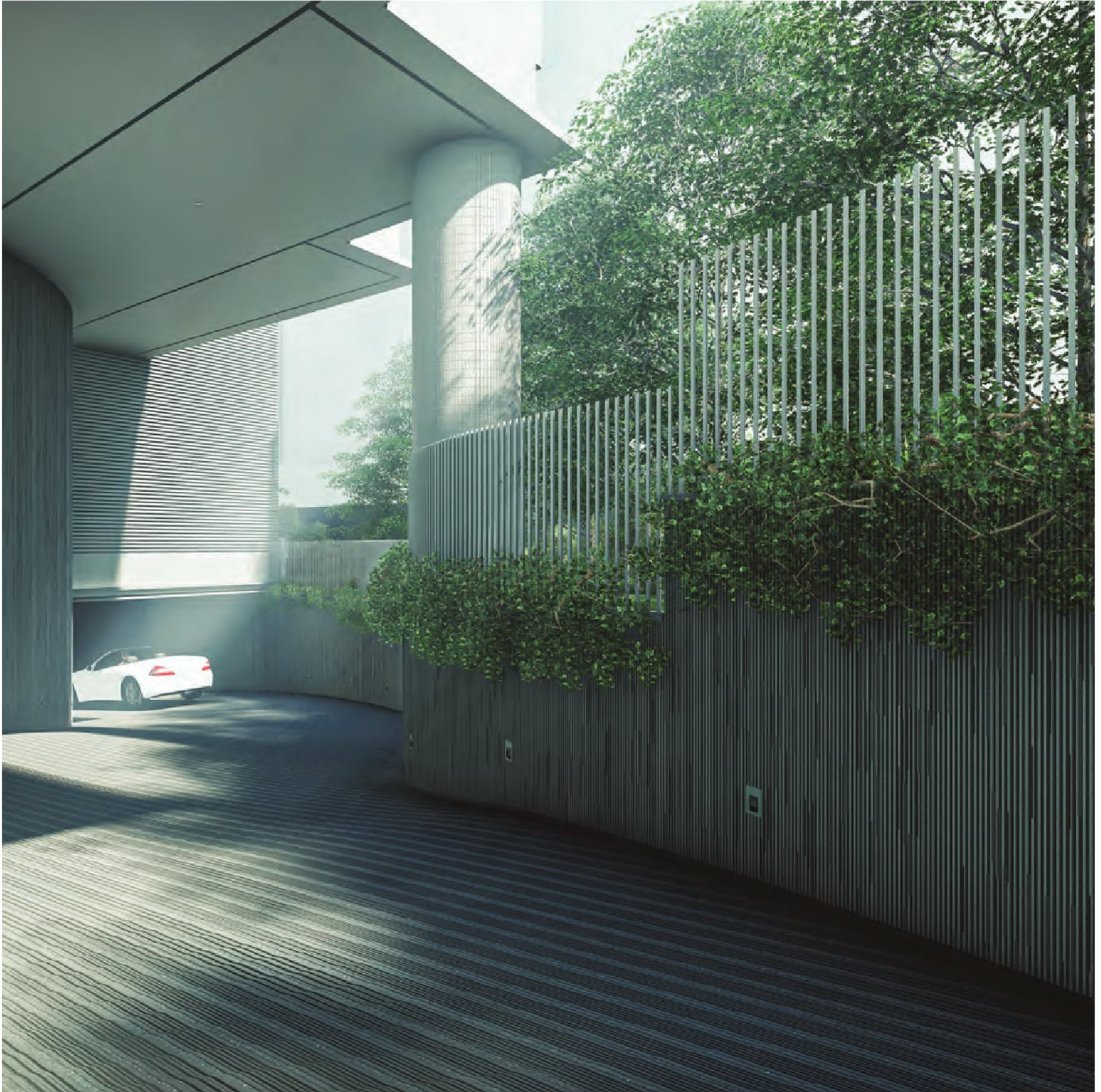
Headed Project - 2020

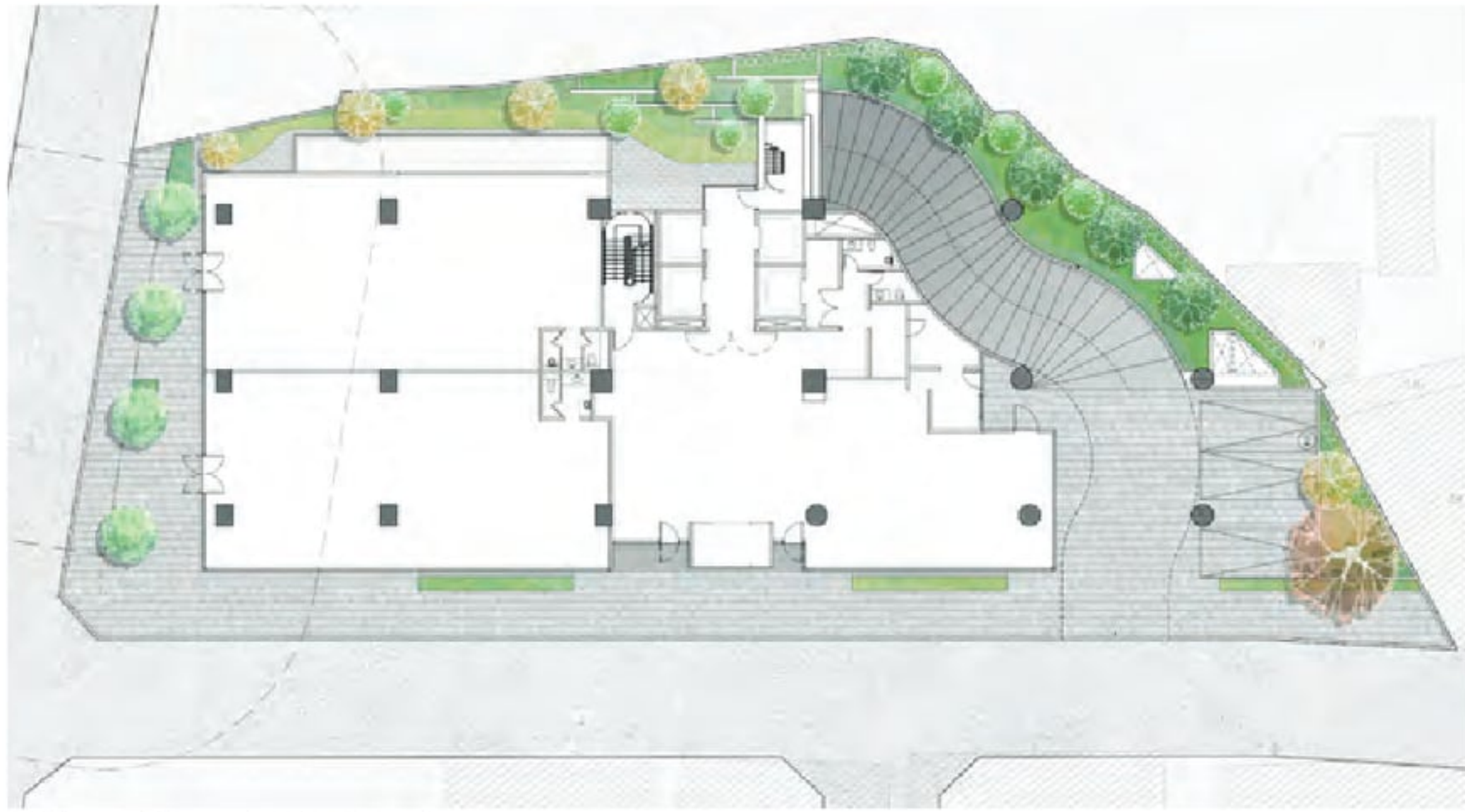
Taipei City, Taiwan

Behind

Literature and art







1 Floor Plan, 1710.80m²



Carside Section



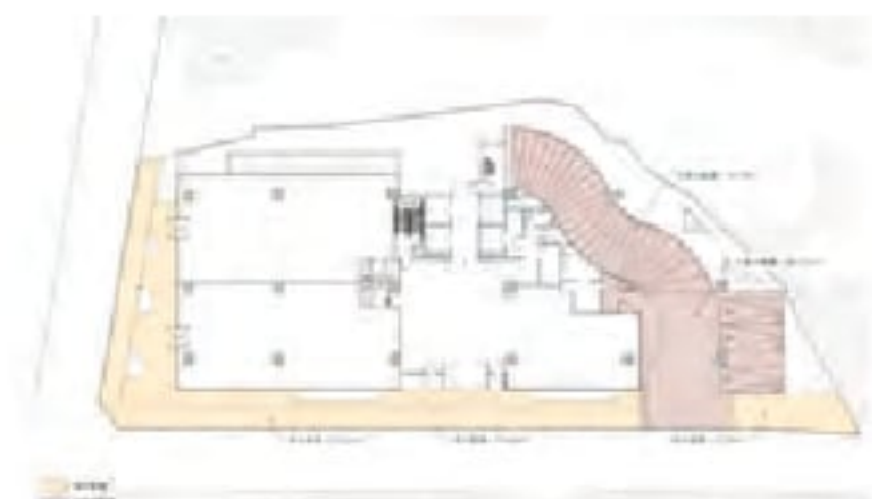
Sun Analysis



Plants Diagram



Tree Diagram



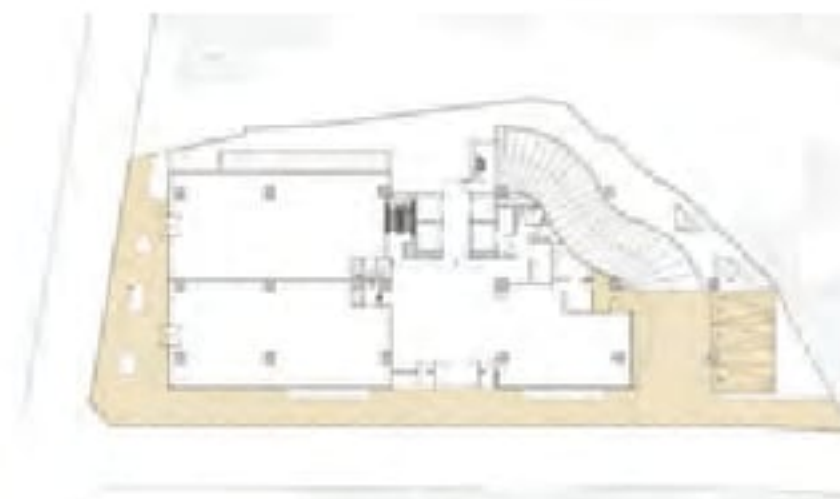
Permeable pavement Review



Illumination Diagram



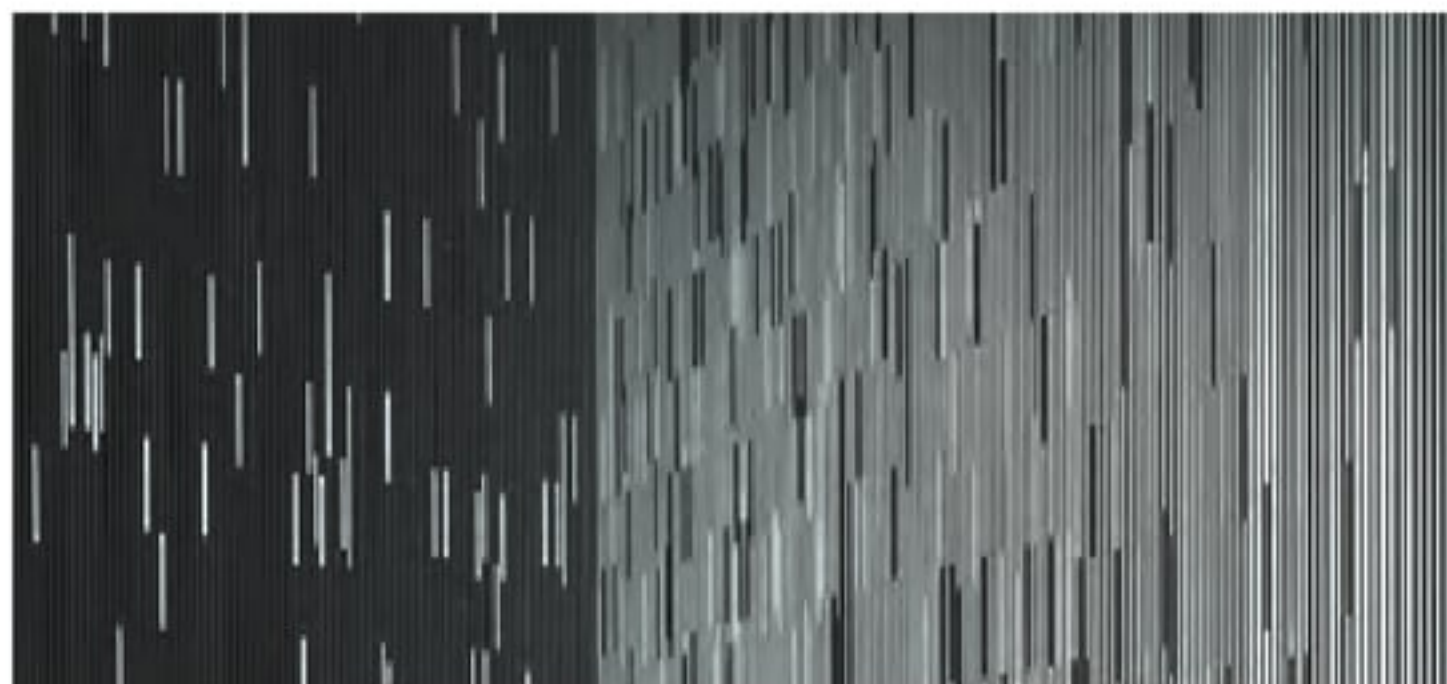
Green Materials Review



Pavement Diagram



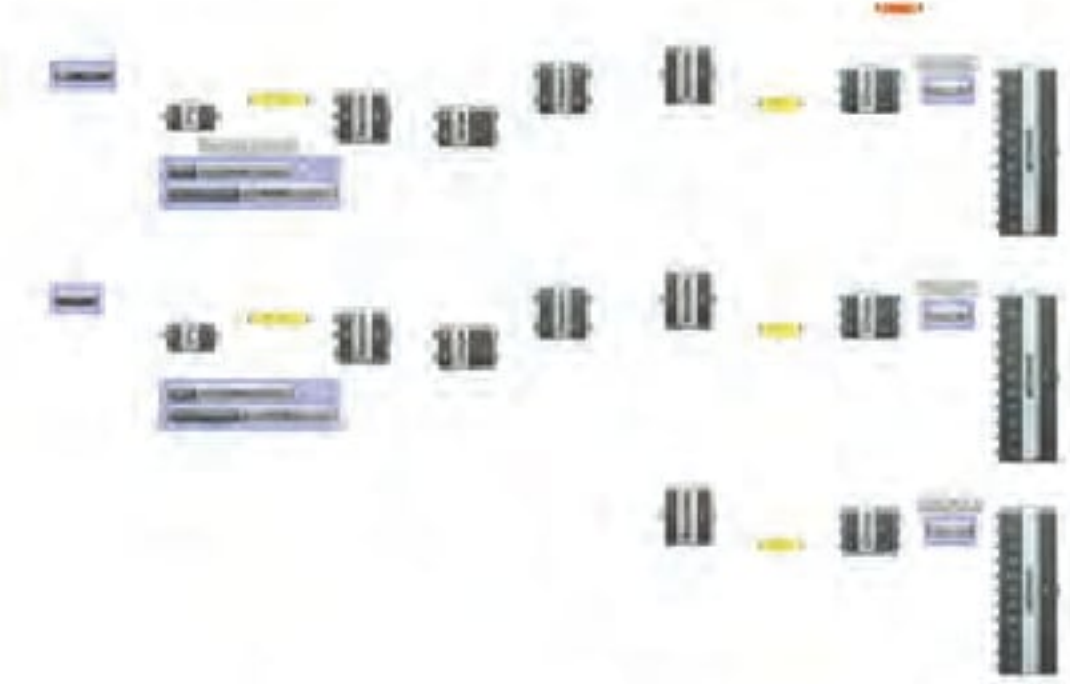
Covering depth Review



Realistic Texture 3D Modeling



Mountain Bricks



Rhino + Grasshopper Workflow

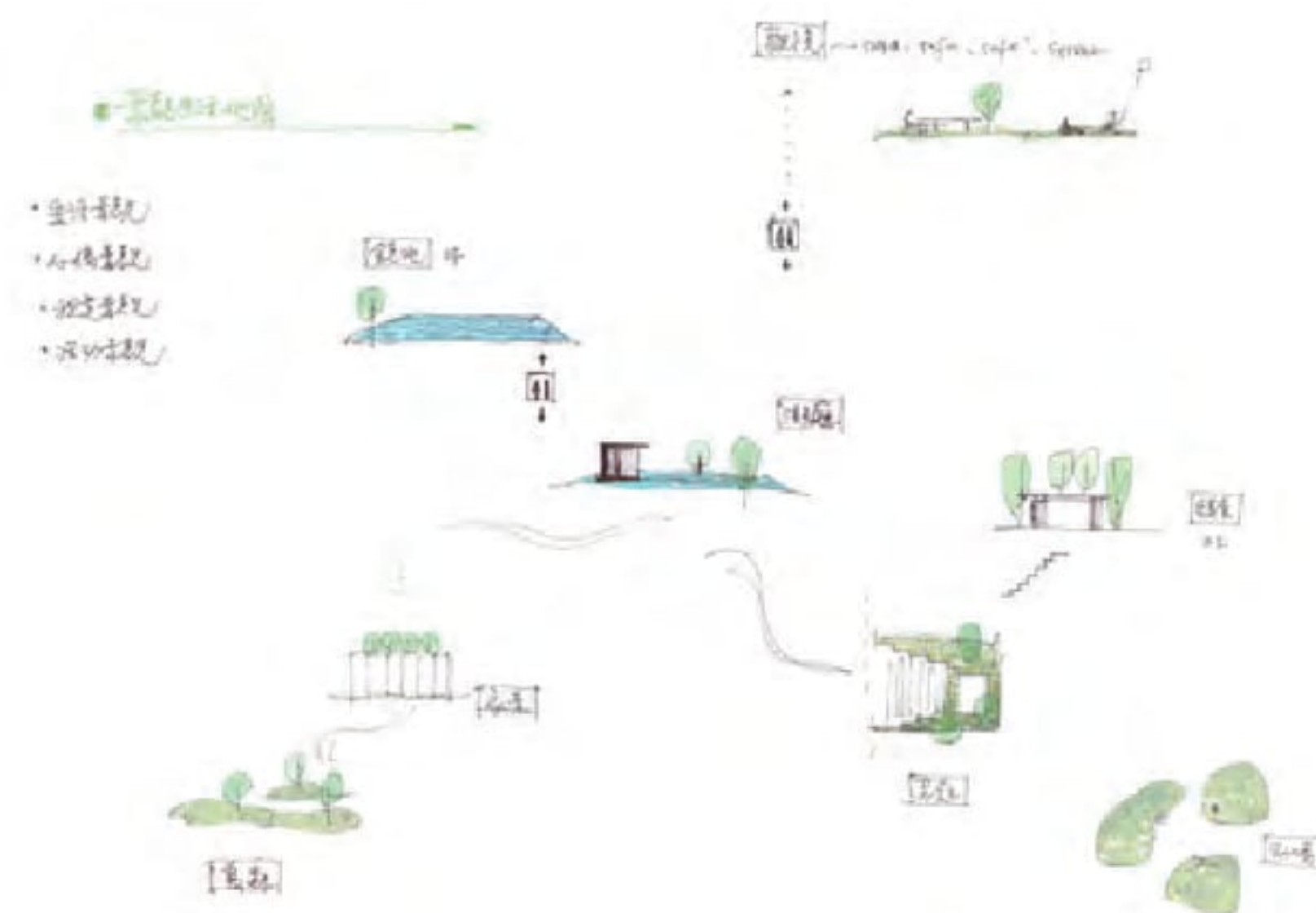


國泰台南金華段

Assisted Project - 2021

Tainan City, Taiwan

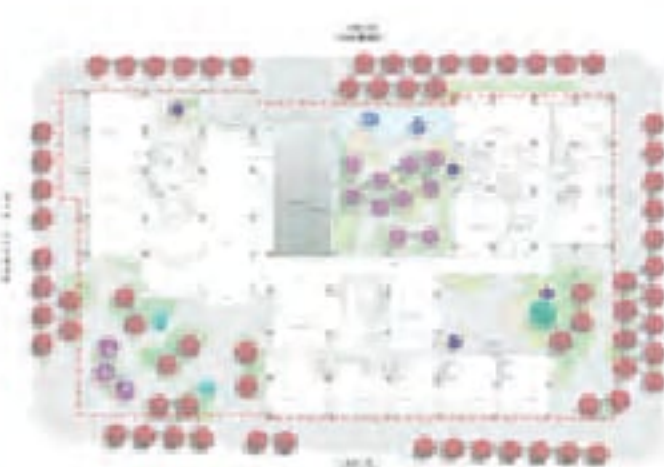
Mapping the Lives of Landscape Lives / Moods / Views / Activities



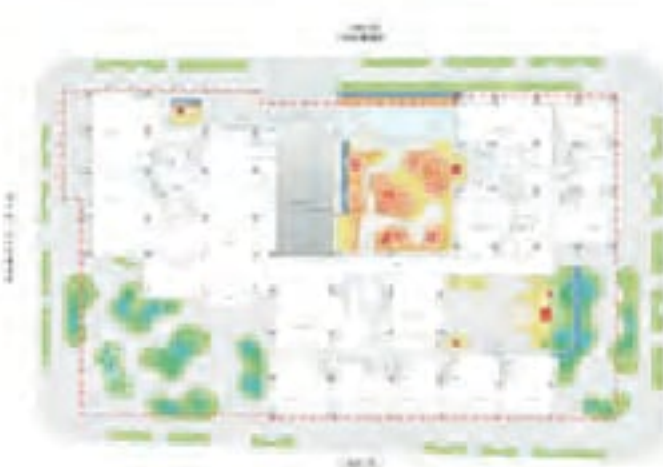




Open Space Review



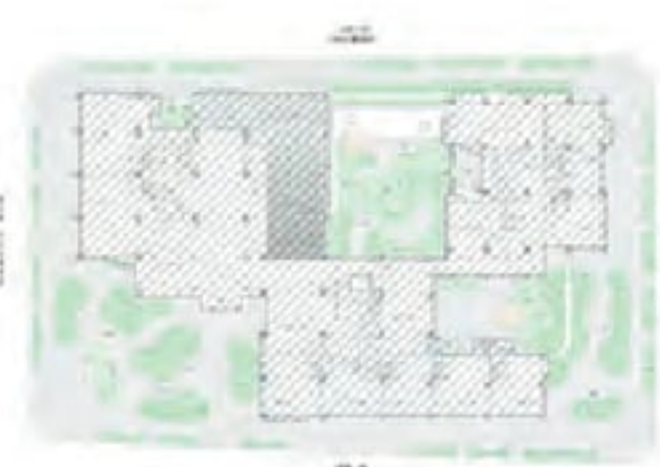
Tree Diagram



Plants Diagram



Pavement Diagram



Greening Review



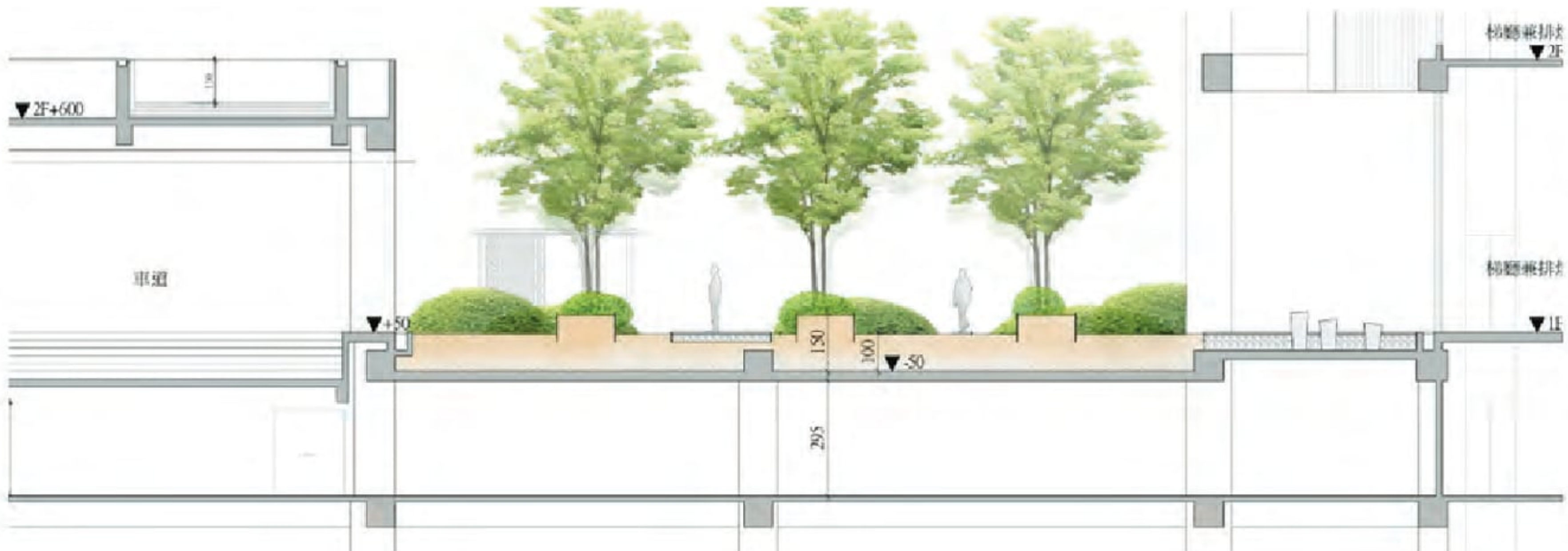
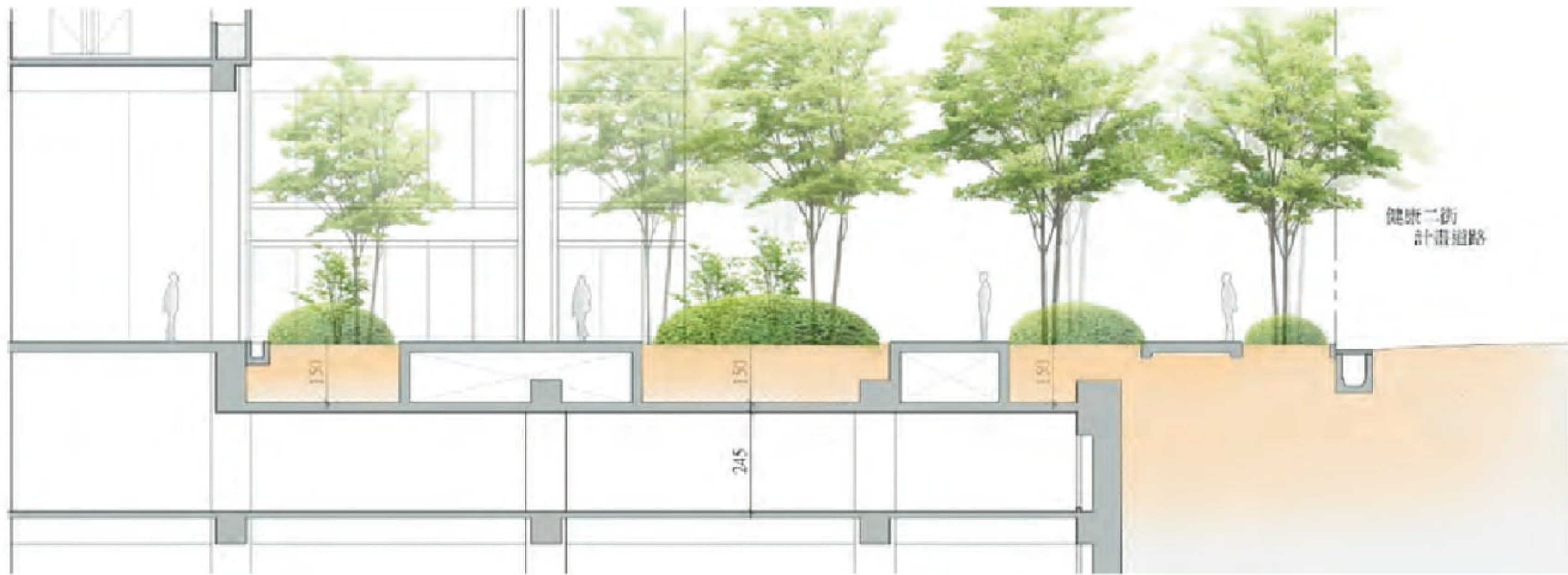
TCO2 Review



Permeable Review



Water Retention Review



OpenSpace Type A

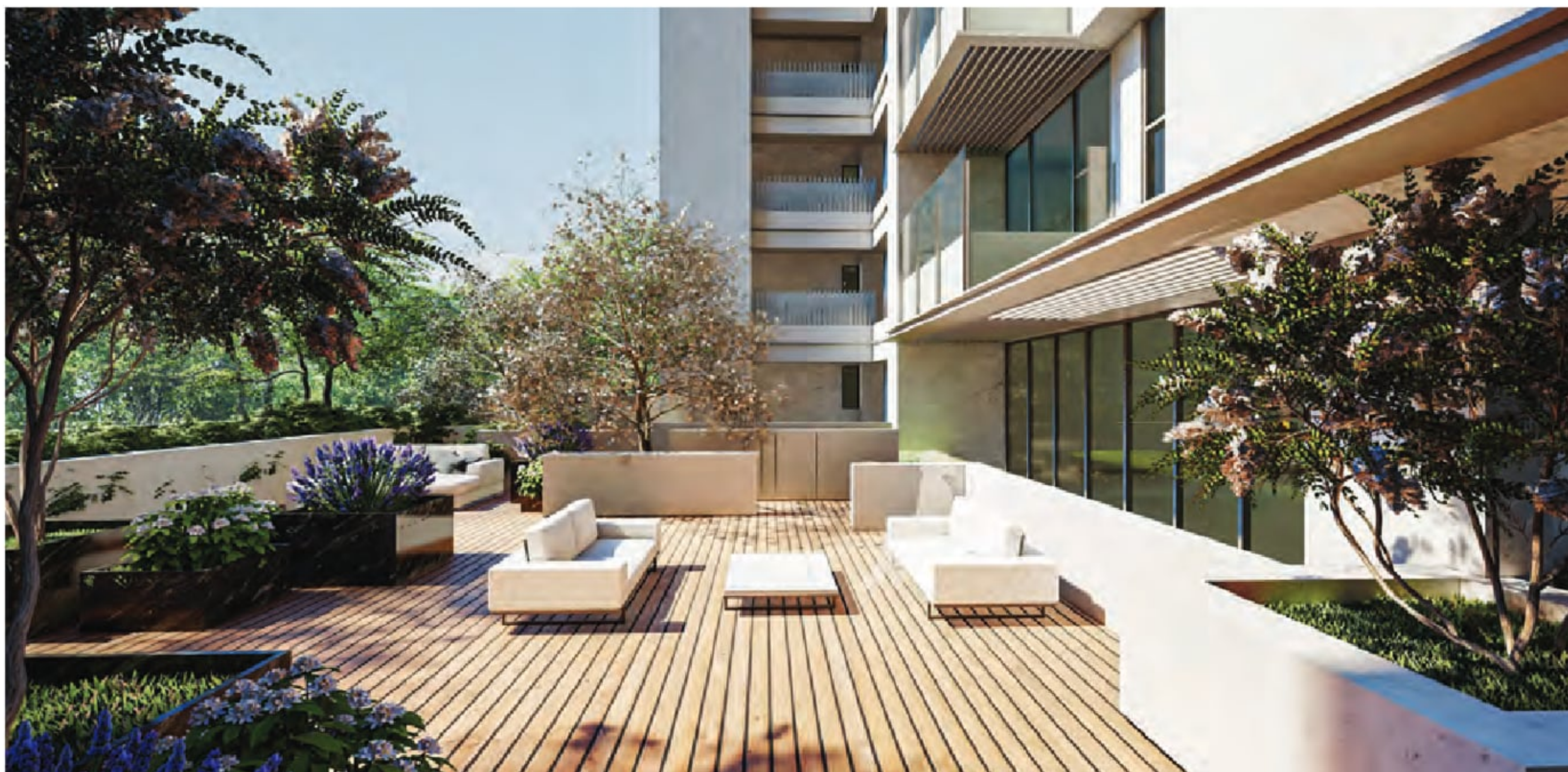


OpenSpace Type B



OpenSpace Type C





漢皇中正武昌街

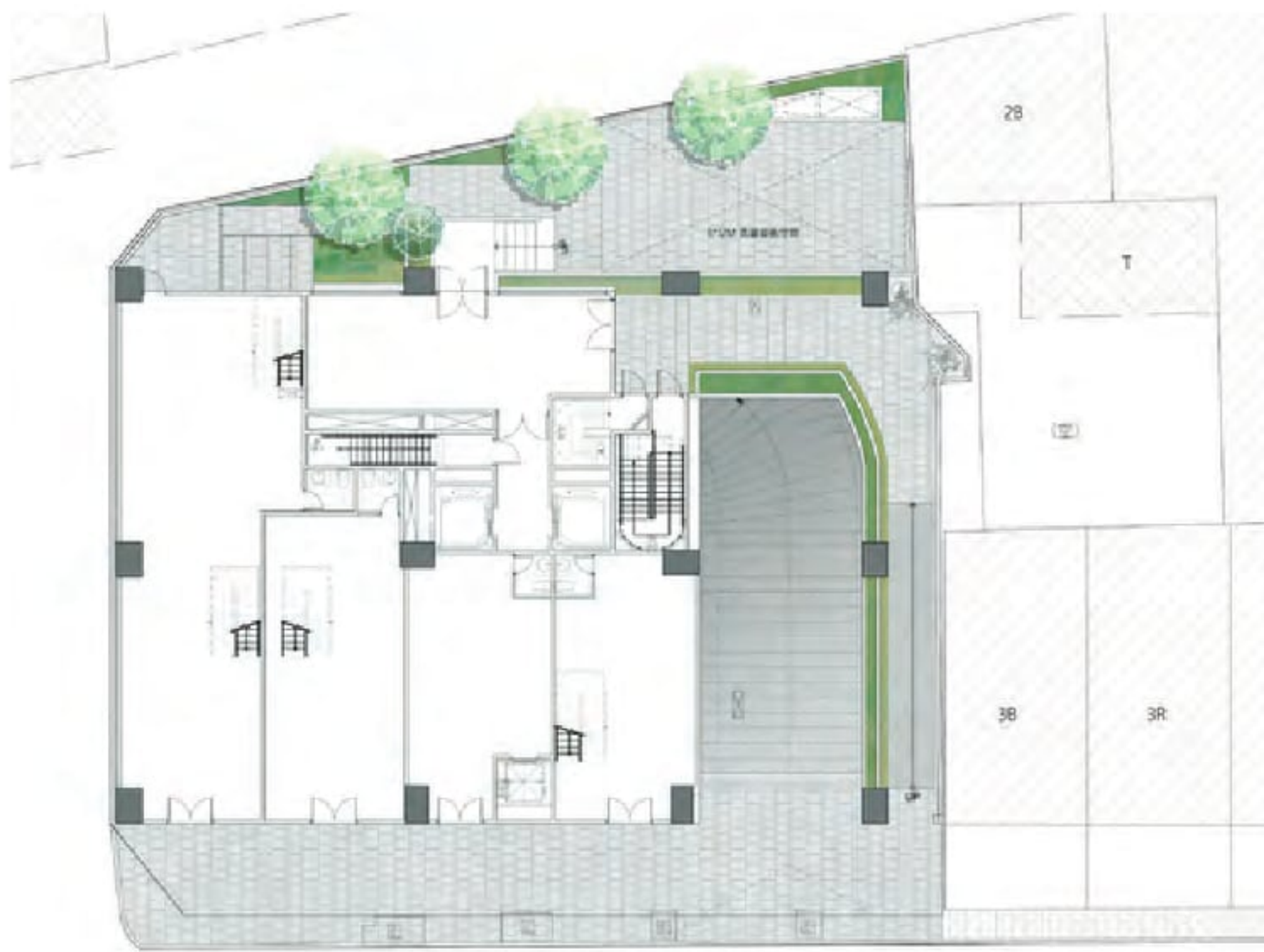
Headed Project - 2021

Taipei City, Taiwan

Texture of History Sentiment

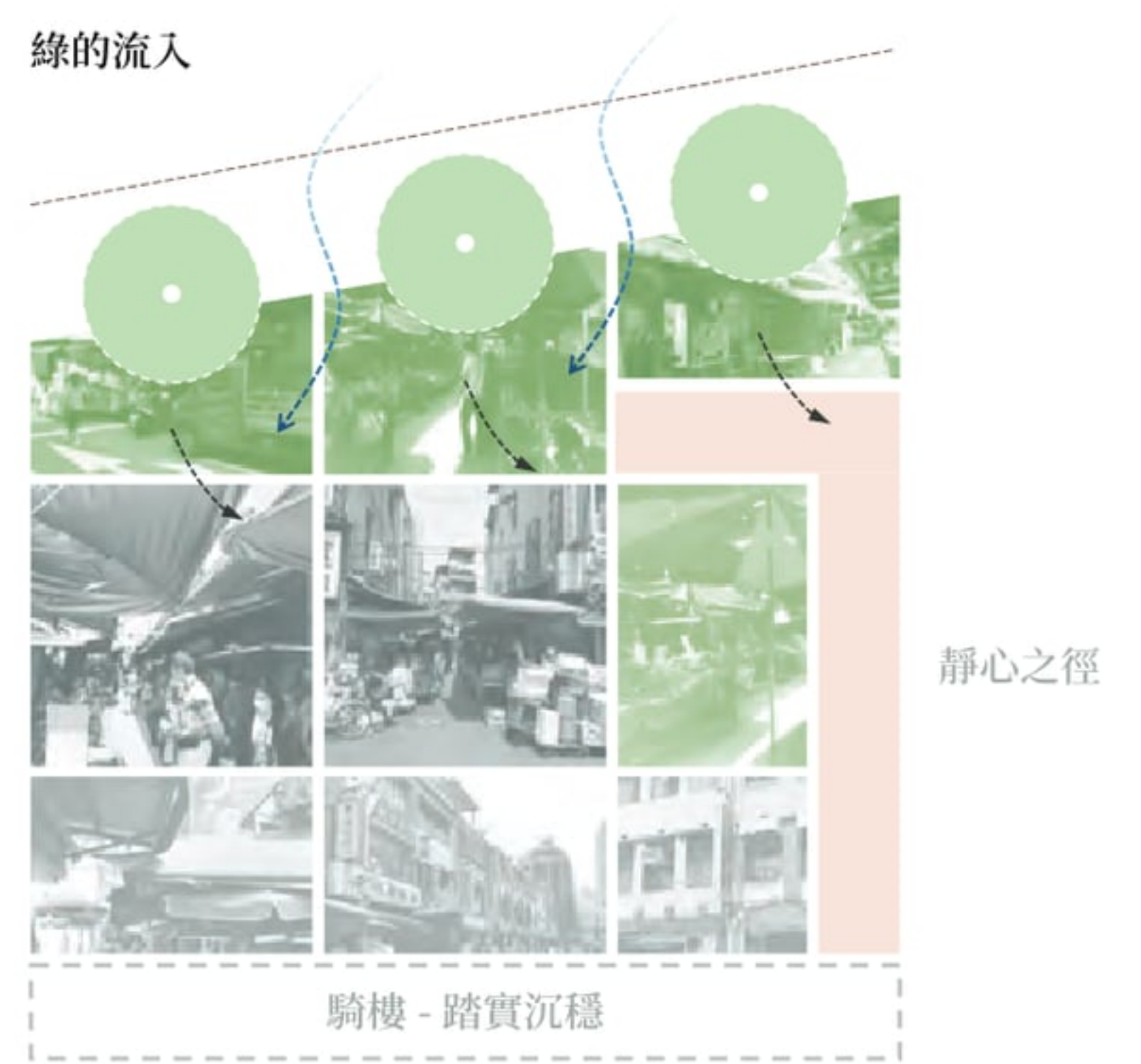






1 Floor Plan, 1001.47m²

綠的流入

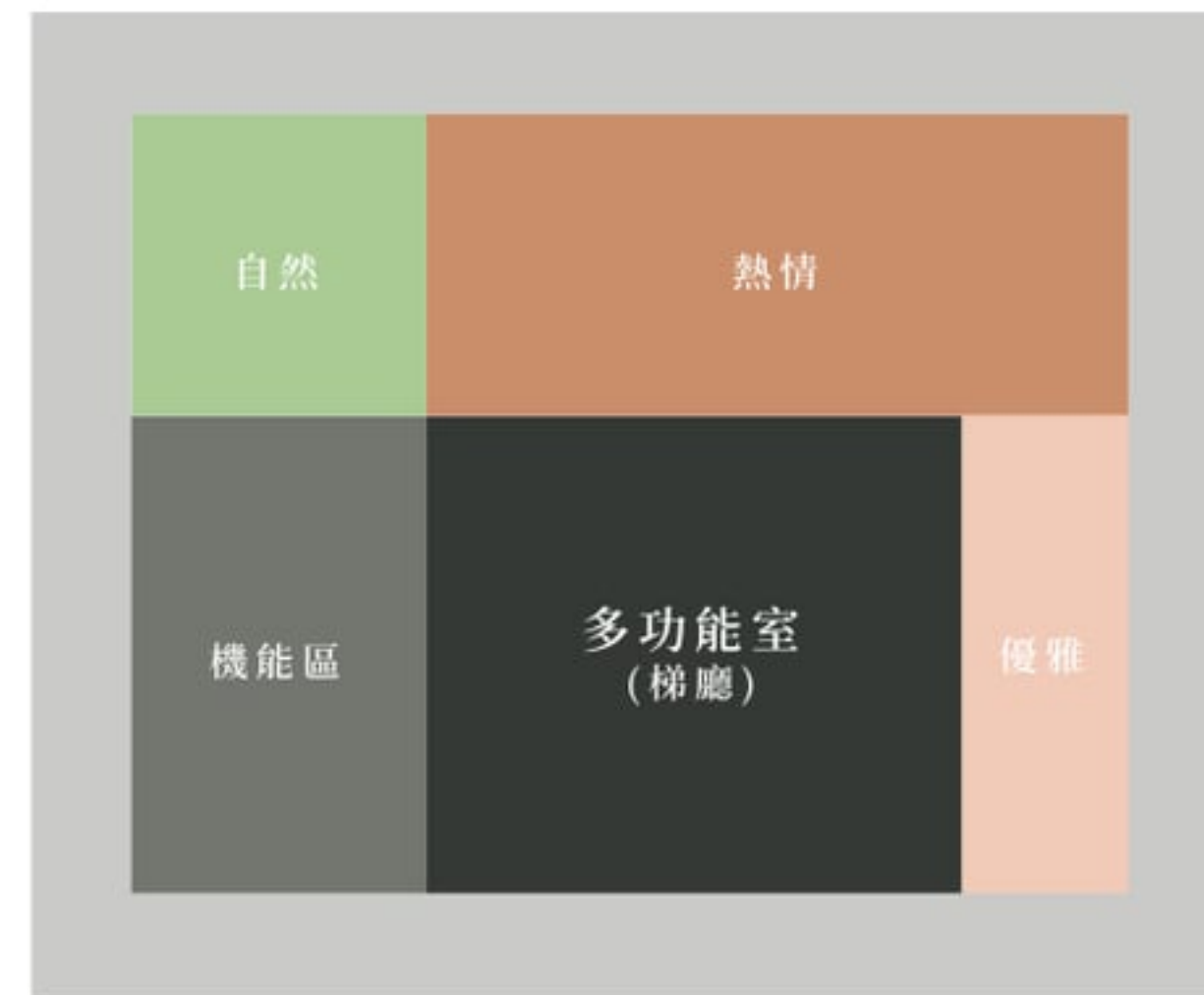




R Floor Plan

淡水河
自然河畔景色
二重疏洪運動公園

台北車站
城市繁華夜景
北門廣場



二二八和平公園
都市人文景觀
中正紀念堂

ROOFTOP VIEW AT NIGHT RENDERING



RELATE

Other Skills

Rendering Works

Construction Drawing

Interior Design Assistant

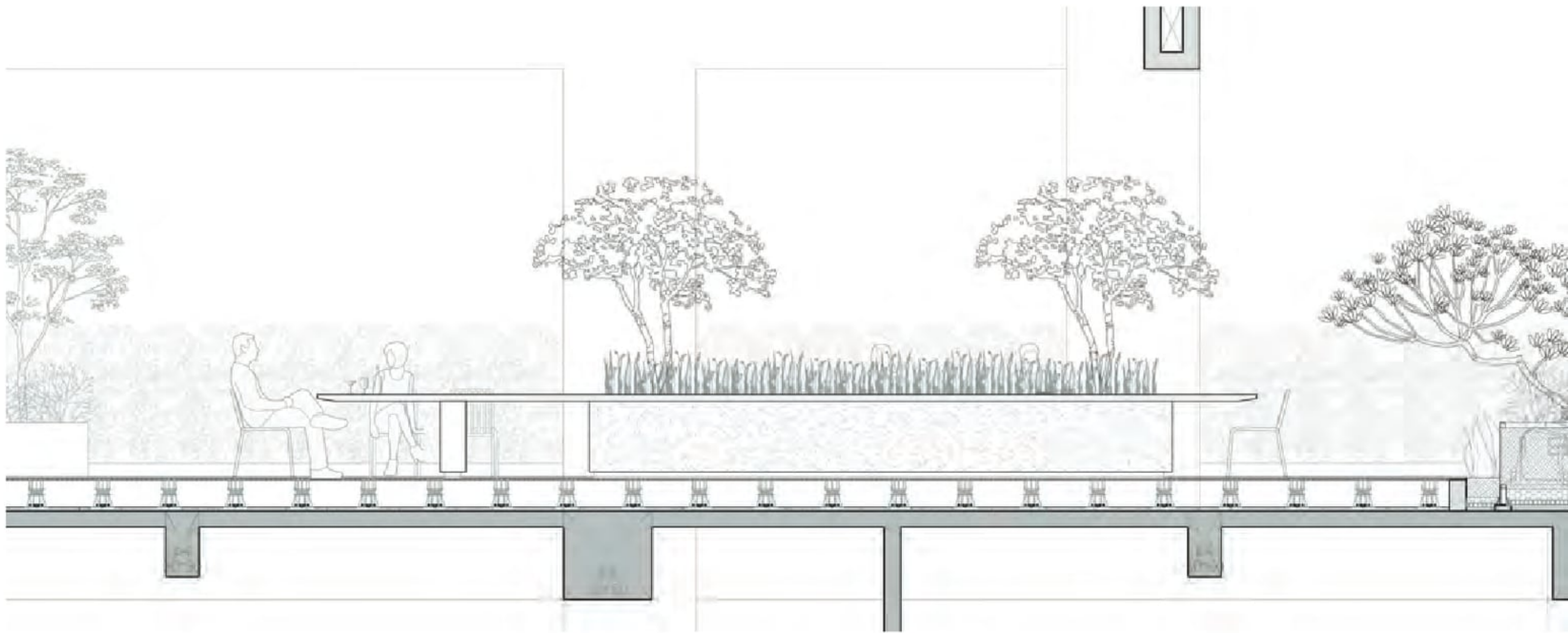
Graduate Publication

Interior / grasshopper / under study

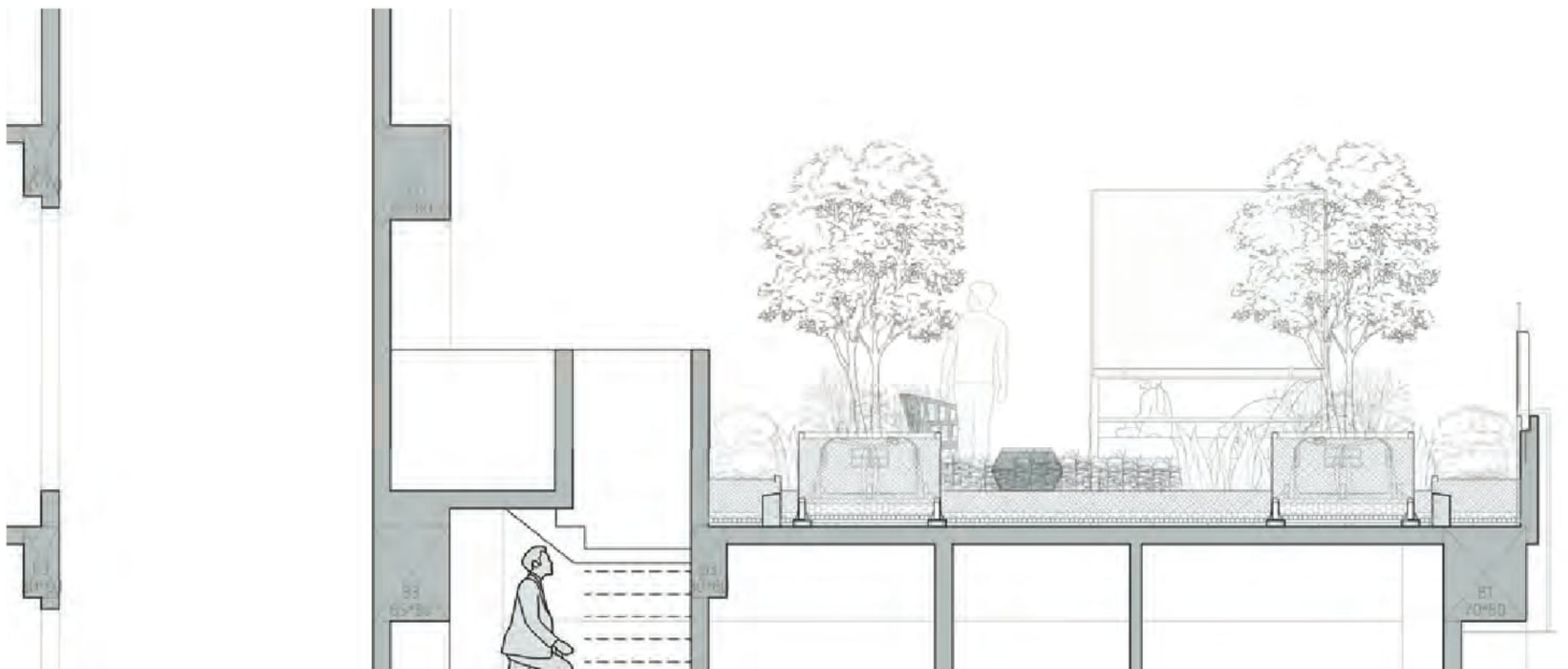




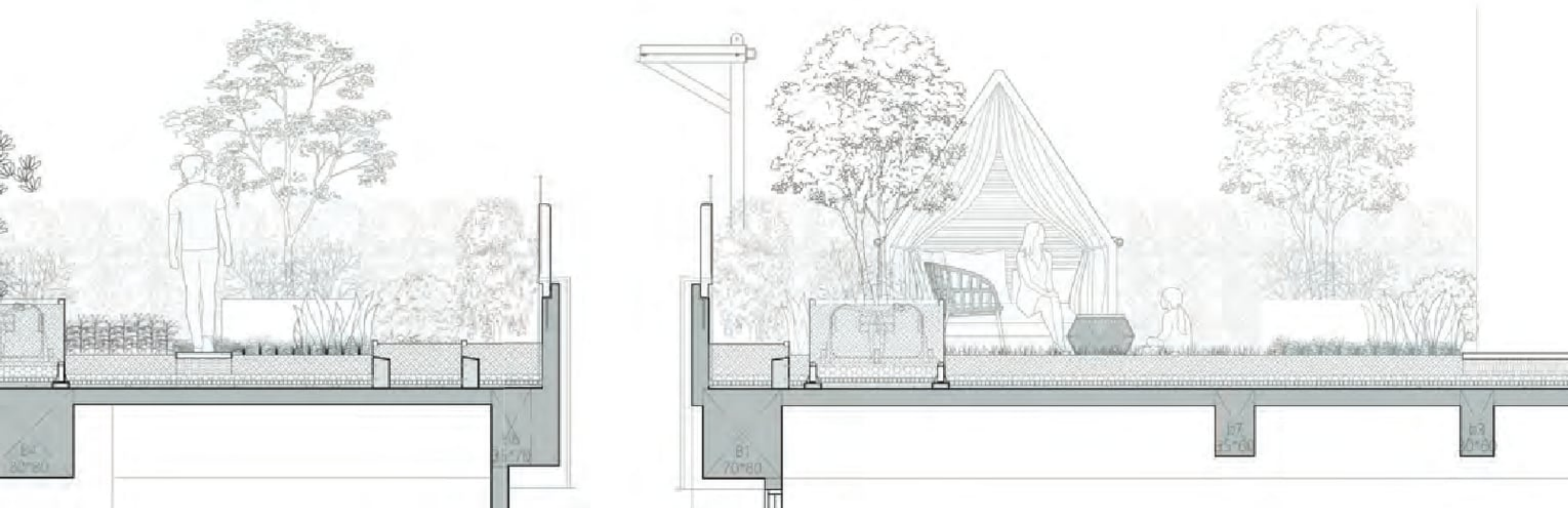




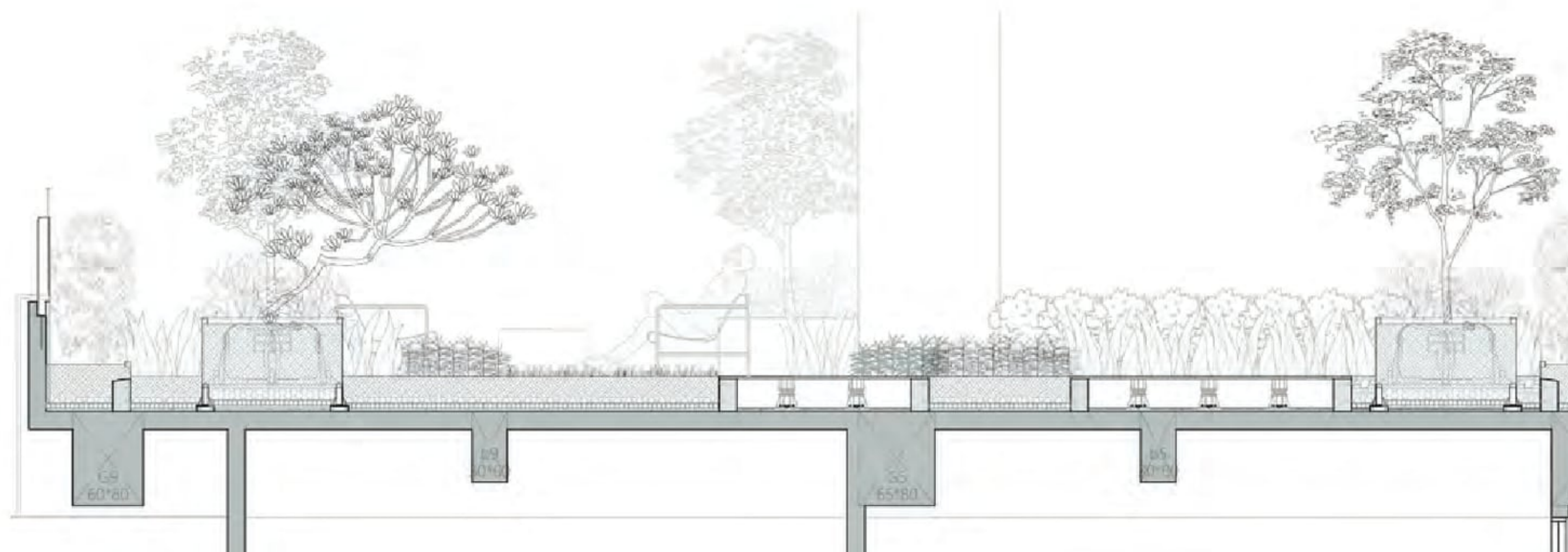
屋突層剖面圖 - 樹下長桌



屋突層剖面圖 - 露營野趣



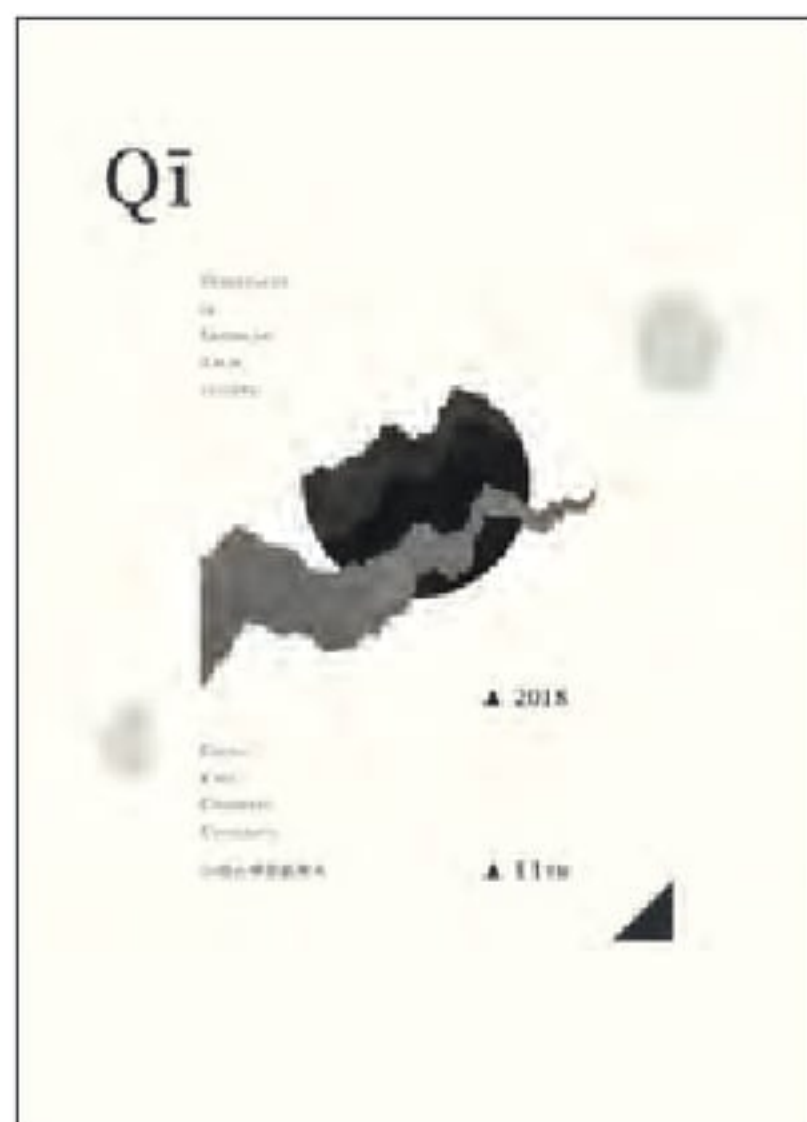
屋突層剖面圖 - 露營野趣



屋突層剖面圖 - 林間沙發











END

Thanks
For Your Attention.



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