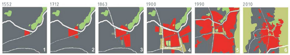
ZANJÓN DE LA AGUADA - THE GREEN ATRIUM AS THE MATRIX OF COMPOSITION OF THE GREEN BI

: STRETCH 9

: : ZANJÓN DE LA AGUADA HISTORY


1552
1
1712
2
1863
3
1900
4
1990
5
2010
6

Santiago's city foundation

Expansion of the natural city limits

Contention of the human limits

Expansion beyond the human limits

Expansion to the natural limits

Expansion beyond the natural limits and arise of empty lands.

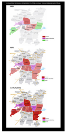
: Emergence of ring roads in the city;

: The old railroad had been refurbished and recovered as aim of the Bicentennial Project;

: Zanjón de la Aguada is the south limit of this area.

: The city of Santiago was founded in the south of Mapocho River, in a valley surrounded by mountains and rivers.

: Zanjón de la Aguada is also in this valley, between the Cordillera de la Costa and the Cordillera de los Andes.



: REFERENCES

SAGRERA LINEAR PARK
JORDI FARRANDO BARCELONA

THE PLACE WHERE THIS PARK IS IMPLANTED HAD BEEN HISTORICALLY AN AREA OF CONFLICTS, A BARRIER FOR NEIGHBORHOODS. THE MAIN PURPOSE OF THIS PROJECT WAS TO ESTABLISH A NEW GROUP OF CONNECTORS, SUCH AS EQUIPMENTS, ABLE TO ARTICULATE THE WHOLE AREA. THESE CONNECTORS HAVE TO RESPOND THE NECESSITIES AS CITY COMES CLOSER TO THE PARK: SOME WILL HAVE A PUBLIC ASPECT WITH PUBLIC SPACES, LIKE PARKS AND SQUARES, AND OTHERS WILL HAVE A PARTICULAR ASPECT.

THE PARK IS SEPARATED IN TWO PARTS:IN SOME AREAS THERE ARE SQUARES ASSOCIATED TO EQUIPMENTS AND CONNECTORS THAT RESPOND THE SURROUNDINGS NECESSITIES, AND SOME APPEARS AS LANDSCAPES FULL OF VEGETATION AND TREES.

THE PARK MAKES A MIXTURE OF SQUARES, GARDENS, CITY LOCAL TRADITIONS, EQUIPMENTS, ALL ABOVE UNDERGROUND STREETS AND RAILROAD,THIS CREATING A CONNECTION BETWEEN NEIGHBORHOODS, MOUNTAIN AND OCEAN.

MADRID RIO LINEAR PARK
GARRIDO, PORRAS RUBIO A. SALA, WEST 8

THE MADRID RIO PROJECT BY WEST 8, INTEND TO LINK NATURAL LANDSCAPE, THE CITY SURROUNDINGS AND MANZANARES RIVER. THIS IS THE MOST IMPORTANT PLACE OF THE CITY, BUT THE PRINCIPAL PART OF THE CITY'S ROAD SYSTEM THAT WORKED ALL ALONG THE RIVER SIDES, 6 KM, WAS DISAPPEARING AND WAS TURNING INTO AN ISLAND, UNAPPROACHABLE AND INVISIBLETHE PROJECT COMES TO CONNECT THE BOTH SIDES OF MADRID WITH OUTSIDE LANDSCAPES.

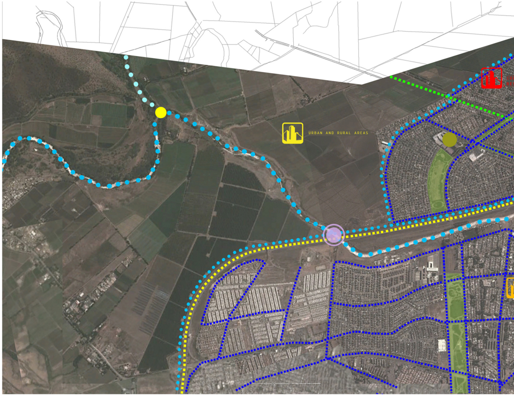
THIS IS THE MANZANARES RIVER'S ROLE: TO CONNECT AREAS AND NEIGHBORHOODS WITH GREEN CORRIDORS, EQUIPMENTS AND BRIDGES.

HIGH LINE NEW YORK
JAMES CORNER FIELD OPERATIONS

HIGH LINE IS AN ELEVATED PARK CONSTRUCTED OVER AN OLD RAILROAD IN NEW YORK. THIS PLATFORM STOPPED OF BEING USED IN 1980, BUT 23 YEARS LATER, PROJECT STARTED TO GIVE IT A NEW FUNCTION.

THIS PROJECT HAS MORE THAN 2 KM, STARTING AT THE GANSEVOORT STREET UNTIL 34 STREET (WEST SIDE). IT'S SEPARATED IN THREE PARTS WHICH CAN BE EASILY ACCESSED NO MATTER WHERE YOU ARE.

THE FURNITURE OF THE PARK IS CONSTANTLY USED, SPECIALLY IN SUMMER, A PLACE WHERE YOU CAN CHILL OUT IN THE MIDDLE OF THE CITY.


URBAN AND RURAL AREAS

MARK

MAIN STREETS

GREEN AREAS

LIMITS

SECOND MAIN STREETS

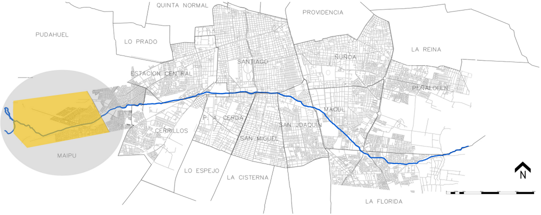
NODES

LOCAL STREETS

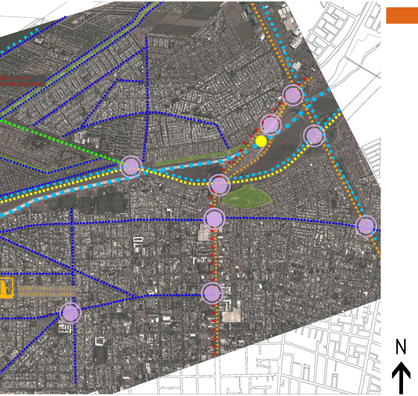
SUBWAY

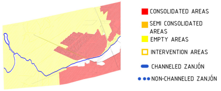
COMMUNITY ACCESS

LOCATION MAP

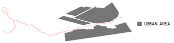

QUINTA NORMAL
PROVIDENCIA
PUDAHUEL
LO PRADO
LA REINA
SANTIAGO
ÑUÑOA
ESTACIÓN CENTRAL
PEÑALOLÉN
MACUL
P. A. CERDA
CERRILLOS
SAN JOAQUIN
SAN MIGUEL
MAIPU
LO ESPEJO
LA CISTERNA
LA FLORIDA
N

SECTOR OF SANTIAGO

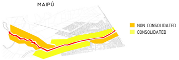

NSOLIDATED
SIDENTIAL AREA
LESS CONSOLIDATED
RESIDENTIAL AREA
N

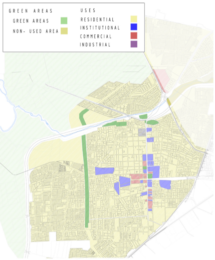

🟥 CONSOLIDATED AREAS
🟧 SEMI CONSOLIDATED AREAS
🟨 EMPTY AREAS
☐ INTERVENTION AREAS
CHANNELED ZANJÓN
●●● NON-CHANNELED ZANJÓN

ZANJÓN AND CITY



THE CITY BEHAVIOUR ALONG ZANJÓN


MAIPÚ
🟧 NON CONSOLIDATED
🟨 CONSOLIDATED


GREEN AREAS
GREEN AREAS 🟩
NON- USED AREA
USES
RESIDENTIAL
INSTITUTIONAL 🟦
COMMERCIAL 🟥
INDUSTRIAL

::STRATEGIES

ECONOMIC STRATEGIES

space optimization, integration and creation

- creation of a commercial focus linking economies
- creation of regional trading
- implanting of parks in unused grounds
- connect the zones separated by road establishing residential areas
- economic reconversion of grounds in rural area
- rationalization of activities and agriculture lands, reorganization between city and field
- creation of cultural equipments
- restructuration of rural areas linking it to public spaces
- creation of hybrid equipments able to concentrate and radiate economic dynamics

GOVERNMENTAL STRATEGIES

generating projects

- constant stimulation of leisure (cinemas, bars, theatres, restaurants, etc)
- use of public consultation for the development of parks and other projects along the intervention area
- maintainence of the blocks configuration, using its empty spaces to stablish connection

SUSTEINABLE STRATEGIES

green valorization

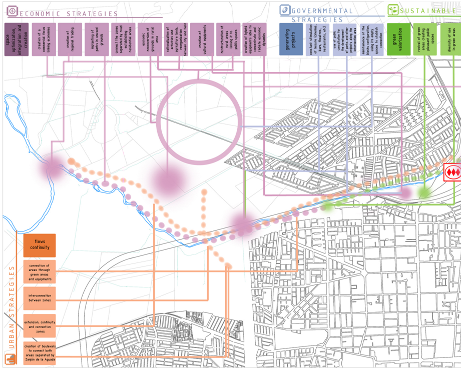
- revival of green areas creating pleasant public spaces
- diversity of use in green areas
- stablish connection between green areas with green corridors
- valorization of both Zanjón de la Aguada sides

URBAN STRATEGIES

flows continuity

- connection of areas through green areas and equipments
- interconnection between zones
- extension, continuity and connection zones
- creation of boulevars to connect both areas separated by Zanjón de la Aguada

::APPLIED STRATEGIES



ECONOMIC STRATEGIES

- space optimization, integration and creation
- creation of a commercial focus linking economies
- creation of regional trading
- implanting of parks in unused grounds
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SUSTAINABLE

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URBAN STRATEGIES

- flows continuity
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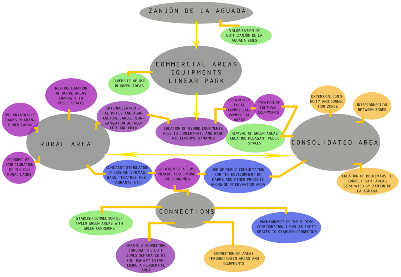
::RELATED STRATEGIES - MENTAL MAP



ZANJÓN DE LA AGUADA

VALORIZATION OF BOTH ZANJÓN DE LA AGUADA SIDES

COMMERCIAL AREAS EQUIPMENTS LINEAR PARK

DIVERSITY OF USE IN GREEN AREAS

RESTRUCTURATION OF RURAL AREAS LINKING IT TO PUBLIC SPACES

IMPLANTATION OF PARKS IN ABANDONED LANDS

RATIONALIZATION OF ACTIVITIES AND AGRICULTURE LANDS, REORGANIZATION BETWEEN CITY AND FIELD

CREATION OF HYBRID EQUIPMENTS ABLE TO CONCENTRATE AND RADIATE ECONOMIC DYNAMICS

CREATION OF LOCAL COMMERCIAL/ COMMERCIAL AREAS

CREATION OF CULTURAL EQUIPMENTS

REVIVAL OF GREEN AREAS CREATING PLEASANT PUBLIC SPACES

EXTENSION, CONTINUITY AND CONNECTION ZONES

INTERCONNECTION BETWEEN ZONES

RURAL AREA

CONSOLIDATED AREA

ECONOMIC RESTRUCTURATION OF THE OLD RURAL LANDS

CONSTANT STIMULATION OF LEISURE (CINEMAS, BARS, THEATRES, RESTAURANTS, ETC)

CREATION OF A COMMERCIAL HUB LINKING THE ECONOMIES

USE OF PUBLIC CONSULTATION FOR THE DEVELOPMENT OF PARKS AND OTHER PROJECTS ALONG DE INTERVANTION AREA

CREATION OF BOULEVARS TO CONNECT BOTH AREAS SEPARATED BY ZANJÓN DE LA AGUADA

CONNECTIONS

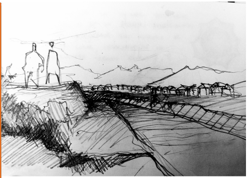
STABLISH CONNECTION BETWEEN GREEN AREAS WITH GREEN CORRIDORS

MAINTAINENCE OF THE BLOCKS CONFIGURATION, USING ITS EMPTY SPACES TO STABLISH CONNECTION

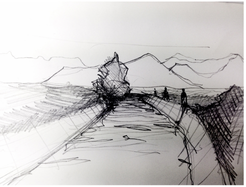
CREATE A CONNECTION THROUGH THE BOTH ZONES SEPARATED BY THE HIGHWAY ESTABLISING A RESIDENTIAL AREA

CONNECTION OF AREAS THROUGH GREEN AREAS AND EQUIPMENTS

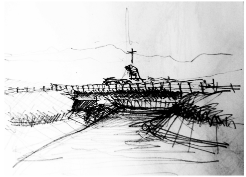
STRATEGIES
stablish connection between green areas with green corridors
valorization of both Zanjón de la Aguada sides



THE GAP THAT GENERATES THE UNION BETWEEN THE ZANJÓN AND THE CITY, GENERATE A TRANSITION SPACE BETWEEN THE URBAN AND THE RURAL, BETWEEN THE INHABITED AND THE ABANDONED, WHICH MAKES US UNDERSTAND IT'S MAIN ROLE.

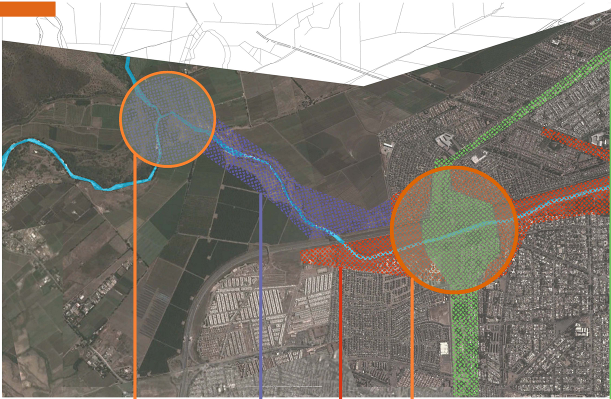


WHEN THE ZANJÓN ENTERS THE RURAL AREA, FRAMES THE PEDESTRIAN VIEW, UP TO THE CORDILLERA DE LA COSTA, WHICH IS PART OF THE SURROUNDINGS AND SLOWLY ITRODUCES US TO THE NATURE.



THE ZANJÓN, ALONG THE STRETCH, ALLOWS US TO UNDERSTAND THE RELATION WITH THE GREAT WAYS THAT CROSS AND FOLLOW IT, UP TO THE ROUT 78, ON WICH IT'S NO LONGER CHANNELED AND GOES BACK TO IT'S NATURAL STATE UNTIL IT'S ROUTE ENDS.

:: STRETCHS CENTERS



CENTER IV

-NEW SUBCENTER
-DISTRICT SCALE
-SPORTS AND RECREATION EQUIPMENTS
-GREEN AREAS REVITALIZATION
-LINEAR PARK UPSHOT

CENTER III

-METROPOLITAN IMPORTANCE CENTER
-SUBCENTER GENERATED BY THE CROSSING OF GREAT AVENUES
-DISTRICT SCALE
-DIFFERENT KINDS OF CITIES CONNECTING ELEMENTS

STRETCH IV

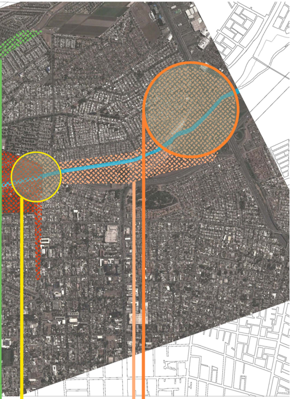
-THIS STRETCH CONTAINS THE MOST WIDE ZONE OF THE PARK
-IT'S HERE THAT THE RECREATION AND SPORTS ACTIVITIES CONCENTRATE
-IT'S WHERE ZANJÓN RELATES IN A NATURAL STATE WITH THE PARK
.

STRETCH III

HERE IS ONE OF THE MAIN POINTS OF THE LINEAR PARK, IT'S WHERE THE GREEN AREAS AND THE ROAD THAT CONNECTS SANTIAGO WITH THE COAST MEET.

STRETCH II

THE EL ROSAL IS THE CONNECTING AXIS BETWEEN BOTH CITIES, WE WILL ENRICH THIS ZONE THROUGH EQUIPMENTS TO POTENTIALIZE IT'S IMPORTANCE



CENTER II

-URBAN ZONES INTERATION
-TRANSITION CENTER
-URBAN EXTENTION AND CONTINUITY
-LINEAR PARK ORGANIZER

CENTER I

-BEGGINING OF THE LINEAR PARK
-STRUCTURING AXIS
-POTENCIALIZATION OF THE TRANSPORT CONNECTIONS
-ECONOMIC RECONVERSION OF RURAL AREA GROUND

STRETCH I

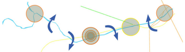
THIS STRETCH COMPREHENDS THE ENRICHMENT OF THE CURRENT RING WAY OF THE AREA THROUGH EQUIPMENTS AND TRADES, THE GOAL IS TO IMPROVE THE SUROUNDINGS OF THE RING

::QUESTIONS

1. What are the apropriate drawing strategies in this context to offer pleasent spaces in a territory where the urbanity is present in the city's complex structure and dynamics?

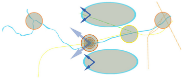
Our Proposal is based on the idea of generating public spaces along Zanjón, focusing on commercial/sporting/cultural/servicing equipments, searching cosolidation to raise the current densiturban density along our strech.

The projects focus is based on the generation of urban transport infrastructure networks public as much as private that work as logistic support, from wich a centrality of public spaces will develop, with a defined use, located on an area that currently doesn't fullfill it's purpose, even having te potencial to unify two kinds of expanding cities, present in Maipu district. At the northern area, we note the presence of residencial region consolidated with no kind of public space or equipment, and we observe how the urban web grows without public space generation. At the southern area, we observe a residencial zone of social habitation units. the intention is to unify the two cities from the urban pattern, using Zanjón as a unifying space.



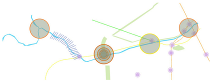
2. How infrastructures growingly complex can determine an adequat urban design that responds to the territory's needs?

The project envolves the most important urban not of the city, the meeting between the Americo Vespucio Avenue, the Santiago Beltway, the route 78 that connects the coast, the current subway lines and Pajaritos, that currently works as an intermodal way that we enhance as one of the most important crossroads of the city, generation new possibilities at the metropolitan level, to sperate the current notways. Another idea is to create new flows inside the district, to enhance the designed centers like the new El Rosal Avenue, wich composes, through a crossroad, the core of our project, the most important point in the linear park. This proposition dialogs with the city's growth idea, wich we undestand that is being designed to be the most inhabited district in Santiago, a city that follows the region's natural limits, the Mapocho River, the Cordillera de la Costa and the current divisor, Zanjón de la Aguada.

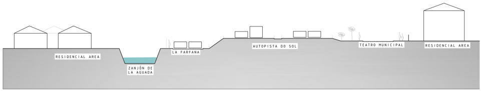


3. How can the territories be organized, no only in a functional structure, bur also in the making of pleasent spaces?

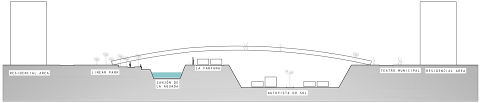
The Maipu district currently has $2,3m^2$ of green area per habitant, way below Santiago's average. So our proposal is based in enriching the public spaces and green areas, in order to bring the district from the south closer, wich has, in average, $20m^2$ of green area per habitant. This numbers show the social difference and different realitis of both districts. These green areas potencialize when related to the mixed use areas we are proposing, wich combine habitation, equipment, trading and services that we believe to be the guides to the urban growth.



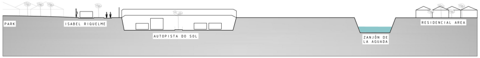
: SECTIONS


RESIDENCIAL AREA
ZANJÓN DE LA AGUADA
LA FARFANA
AUTOPISTA DO SOL
TEATRO MUNICIPAL
RESIDENCIAL AREA

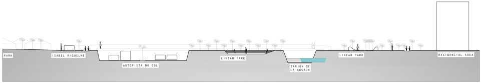
SECTION AA - OLD


RESIDENCIAL AREA
LINEAR PARK
ZANJÓN DE LA AGUADA
LA FARFANA
AUTOPISTA DO SOL
TEATRO MUNICIPAL
RESIDENCIAL AREA

SECTION AA - NEW


PARK
ISABEL RIQUELME
AUTOPISTA DO SOL
ZANJÓN DE LA AGUADA
RESIDENCIAL AREA

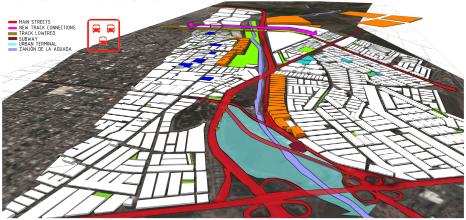
SECTION BB - OLD


PARK
ISABEL RIQUELME
AUTOPISTA DO SOL
LINEAR PARK
ZANJÓN DE LA AGUADA
LINEAR PARK
RESIDENCIAL AREA

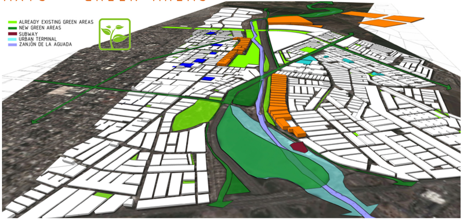
SECTION BB - NEW

:: PROPOSAL - THEMATIC AXIS

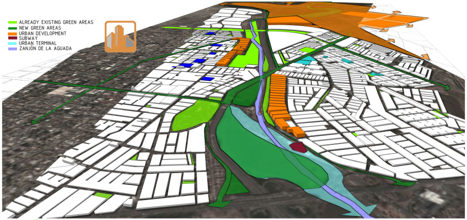
AXIS - TRANSPORTATION


MAIN STREETS
NEW TRACK CONNECTIONS
TRACK LOWERED
SUBWAY
URBAN TERMINAL
ZANJÓN DE LA AGUADA

AXIS - GREEN AREAS

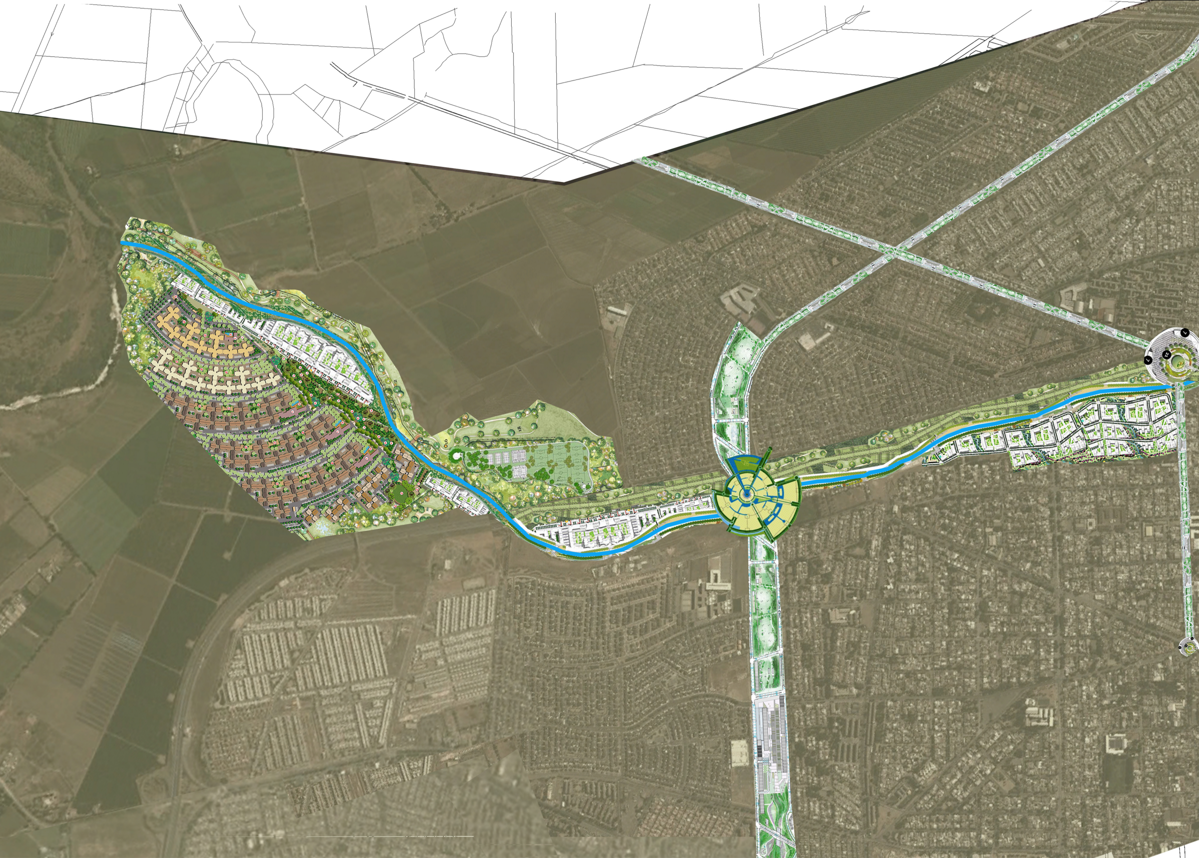

ALREADY EXISTING GREEN AREAS
NEW GREEN AREAS
SUBWAY
URBAN TERMINAL
ZANJÓN DE LA AGUADA

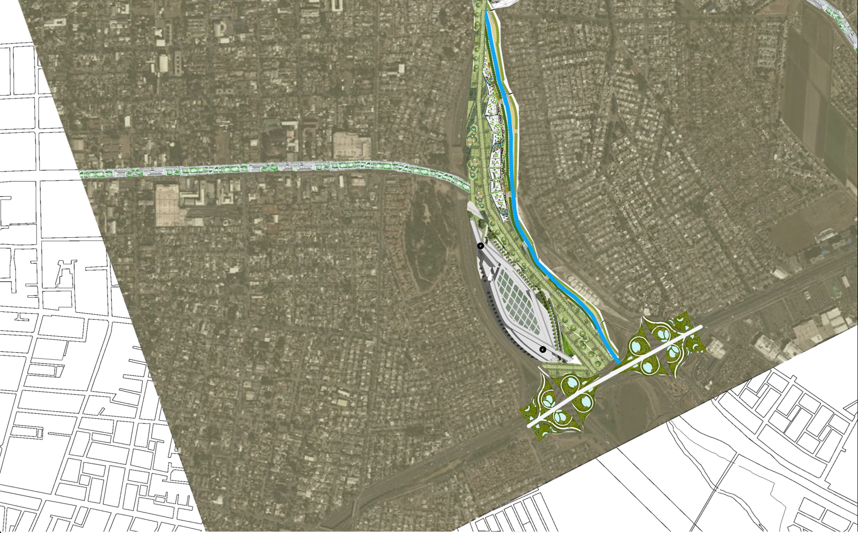
AXIS - URBAN DEVELOPMENT


ALREADY EXISTING GREEN AREAS
NEW GREEN AREAS
URBAN DEVELOPMENT
SUBWAY
URBAN TERMINAL
ZANJÓN DE LA AGUADA

:: MASTER PLAN LINEAR PARK

ESC 1:2500





LABORATORY OF URBAN STRATEGIES - UDD + MACKENZIE

ZANJÓN DE LA AGUADA - THE GREEN ATRIUM AS THE MATRIX OF COMPOSITION OF THE GREEN BISECTOR OF SANTIAGO

DIEGO TAGLE - JESSICA SILVA - KARINA ZANON - NICOLÁS WAIDELE - VITO CORDELLA
ALEX NOHRA - CARLOS ARRIAGADA - FELIX DE AMESTI - PAULA R. JORGE - ALVARO DURAN

CHILE -2013