river north

Katy Casper
Justin Feider

river north environmental systems

large drainage basins spill into 20% of the rivers edge within the site; these basins cover a large patch on the northern half of the site

contiguous and linear areas of pervious land follow the heavy rail lines

geometric topography lines illustrate clear human intervention into an organic front range landscape; these interventions densify along the river

water

large drainage basins spill into 20% of the rivers edge within the site; these basins cover a large patch on the northern half of the site

the major historical changes to the river path occured in the southern part of the site

most of the 100 year floodplain in the area spills out of the northwest edge of the site

the river flows in a linear fashion to the north east within the site; water depths of the river are evenly distributed throughout the site

- drainage basins
- 100 year floodplain
- 18"+ deep
- 6" to 18" deep
- -6" to 6" deep
- 1887 path

pollution

landfills align with the river in dispersed patches

more than half the site to the NE is a superfund site

- landfill
- superfund site

ground cover

contiguous and linear areas of pervious land follow the heavy rail lines

the majority of unmaintained vegetation occurs as strips along the edge of the river

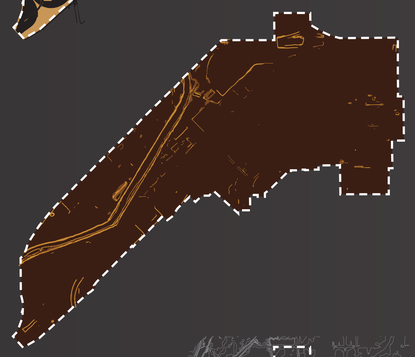
small patches of maintained vegetation cluster in the middle of the site; large patches cling to the perimeter

- unmaintained vegetation
- maintained vegetation
- pervious
- impervious

terrain slope

steeper slopes cling to the river and multi-dimensional transit intersections; they align with the NW perimeter of the site

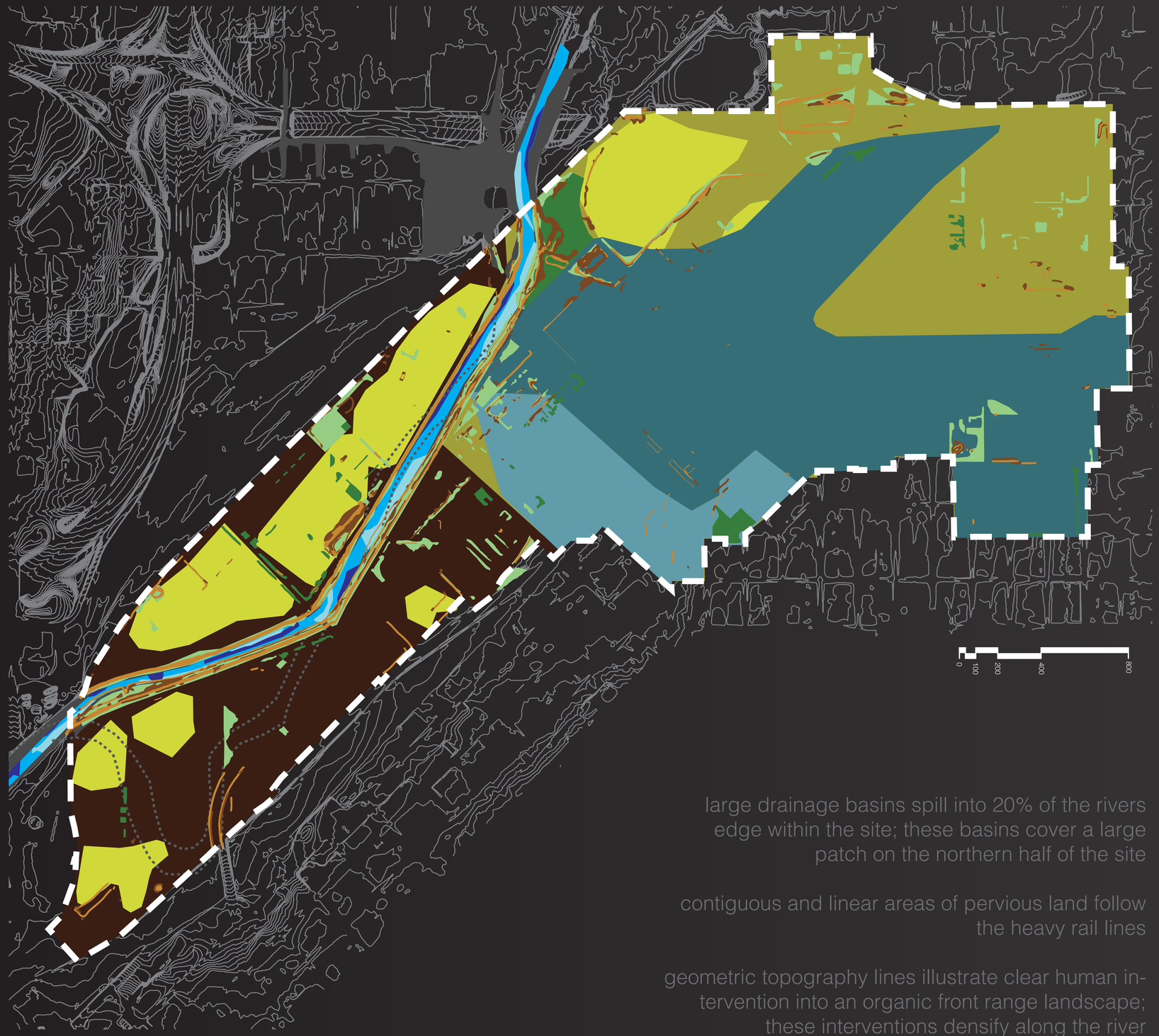
- 30% +
- 15% - 30%
- 0% - 15%



topography

geometric topography lines illustrate clear human intervention into an organic front range landscape; these interventions densify along the river

- 2' topography
- site



river **north**

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river north transportation systems

multi-dimensional spaces are created when large transit corridors are intersected; large spaces align with north and south edges of the site

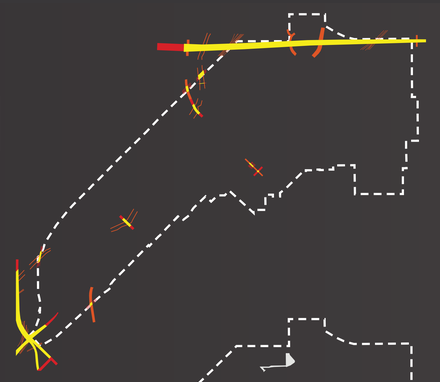
the buffer along the heavy rail line widens where the tracks split and change direction; this happens in the SW and NE corners of the site

typical city blocks within the center and eastern perimeter of the site create pockets of neighborhood

multi-dimensional intersections

multi-dimensional spaces are created when large transit corridors are intersected; large spaces align with north and south edges of the site

multi-dimensional space
under
over



sidewalks

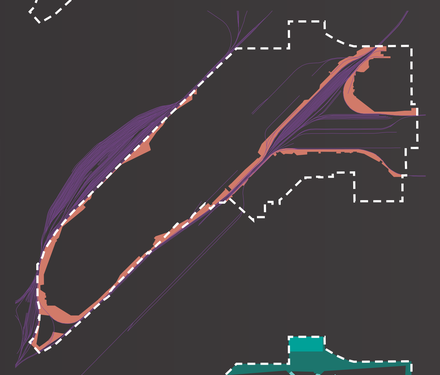
the only continous pedestrian circulation is a linear path along the eastern edge of the river

bad condition
good condition

heavy rail bbuffer

the buffer along the heavy rail line widens where the tracks split and change direction; this happens in the SW and NE corners of the site

heavy rail buffer
heavy rail tracks

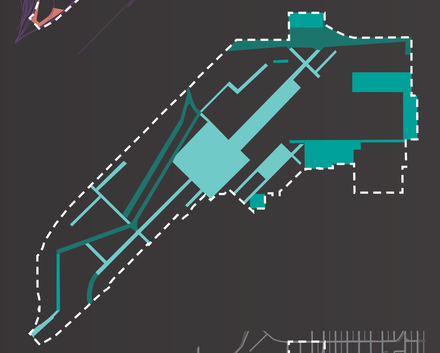


street orientation

typical city blocks within the center and eastern perimeter of the site create pockets of neighborhood

the 45° axis changes to a 90° axis at the union pacific train yard; the other 90° axes follow the river through the center of the site, and the highway at the north edge

other° axis
90° axis
45° axis



roads

the street layout is fragmented throughout the site which is correlated to large expanses of land.

edge of pavement and roads
site

river **north**

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river north land use patterns

local ecologies of experimental development align outside the SW edge of the site; they percolate into and cluster around the center of the site

taller structures are adjacent to large transportation corridors along the north and west perimeters of the site

night use clusters around the center of the site along the NW/SE axis due to offsite neighborhood connection

experimental

local ecologies of experimental development align outside the SW edge of the site; they percolate into and cluster around the center of the site

- doggy spaces
- creative spaces

yard storage

fragmented yard storage occurs along major continuous car travel routes in the center of the site

consolidated yard storage occurs where car travel routes are fragmented in the NW portion of the site

- new materials
- old materials
- vehicle fleet

utilization

undertutilized parcels of land correlate with the location of vacant land and that used for yard storage

- unknown
- underutilized
- utilized

night use

night use clusters around the center of the site along NW/SE axis due to offsite neighborhood connection

large clusters of vacant land use occur at major transit intersections in the northern and southern tips of the site

- night use
- vacant parcels
- habitable structure

heights

taller structures are adjacent to large transportation corridors along the north and west permiters of the site

- 6+ stories
- 4 - 5 stories
- 2.5 - 3.5 stories
- 1 - 2 stories

parcels

smaller parcels of land mostly cluster in the center of the site; other patches occur along SW edge and northern tip

- parcel boundary
- site

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river north composite

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land use patterns

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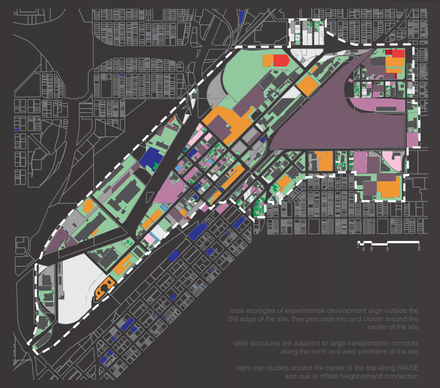

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transportation systems

- multi-dimensional space
- under
- over
- bad condition
- good condition
- heavy rail buffer
- heavy rail tracks
- other° axis
- 90° axis
- 45° axis

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environmental systems

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- superfund site
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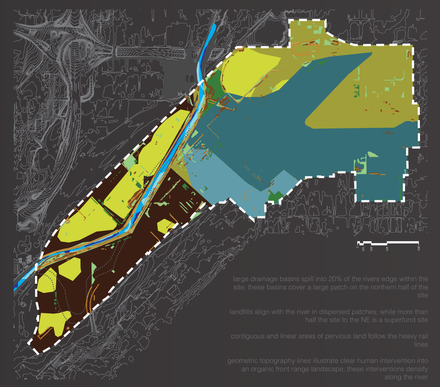

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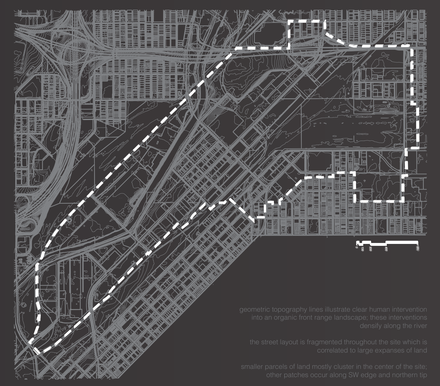
data composite

- roads
- edge of pavement
- parcel boundary
- 2' topography
- site



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river north critical analysis

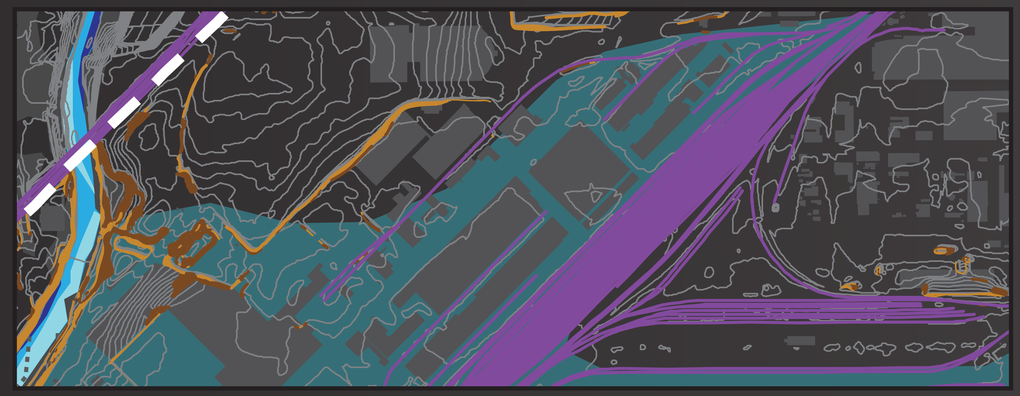
heavy rail basin

land use patterns :: figure ground
transportation systems :: heavy rail
environmental systems :: grading, drainage basin, impervious ground cover

the heavy rail line creates the boundary of the largest drainage basin within the site; the northern rail line of this boundary terminates at the pepsi facility; this facility has a large amount of impervious surface area that channelizes extensive runoff

- large drainage basin
- heavy rail tracks
- habitable structure
- 30% +
- 15% - 30%
- 2' topography
- site

1



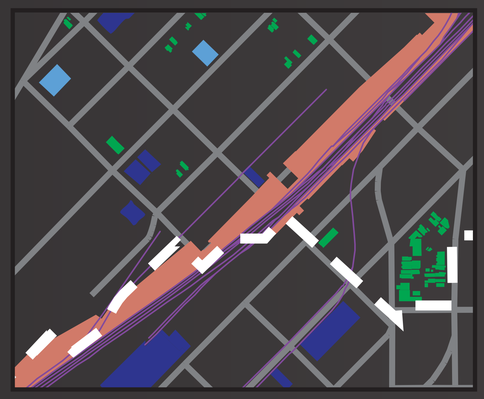
disconnected trends

land use patterns :: heavy rail, buffer
transportation systems :: experimental, night use

land use trends that occur within and outside the site are disconnected by heavy rail lines and associated buffer

- doggy spaces
- creative spaces
- night use
- heavy rail tracks
- heavy rail buffer
- roads
- site

2



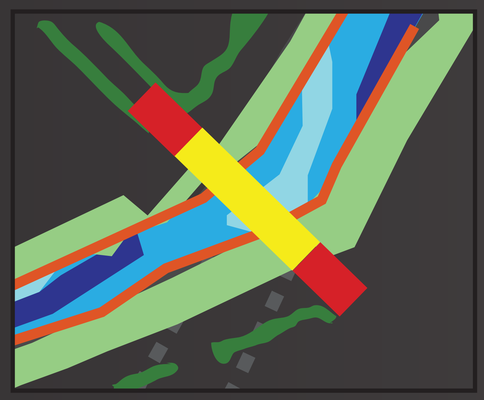
divided riparian

transportation systems :: multi-dimensional intersections
environmental systems :: vegetation

when a transit route crosses the river two spatial conditions occur:
-vegetation in the riparian corridor gets divided
-shelter for extra-legal activity

- multi-dimensional space
- under
- over
- unmaintained vegetation
- maintained vegetation
- river

3



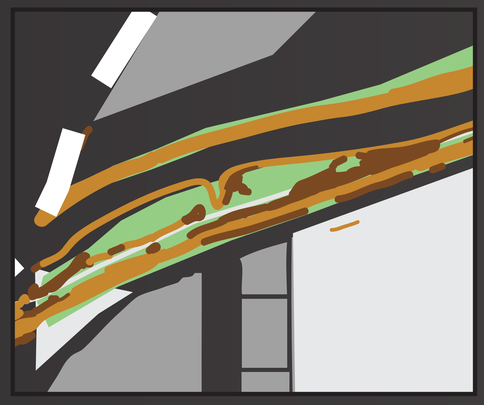
extra-legal activity

land use patterns :: vacant, underutilized
transportation systems :: sidewalks
environmental systems :: vegetation, grading

the combination of isolated terrain and unmaintained vegetation along vacant and underutilized land allow for extra-legal activity; the only continuous pedestrian circulation path through the site feeds this hidden territory

- sidewalk
- underutilized
- vacant parcels
- unmaintained vegetation
- 30% +
- 15% - 30%
- site

4



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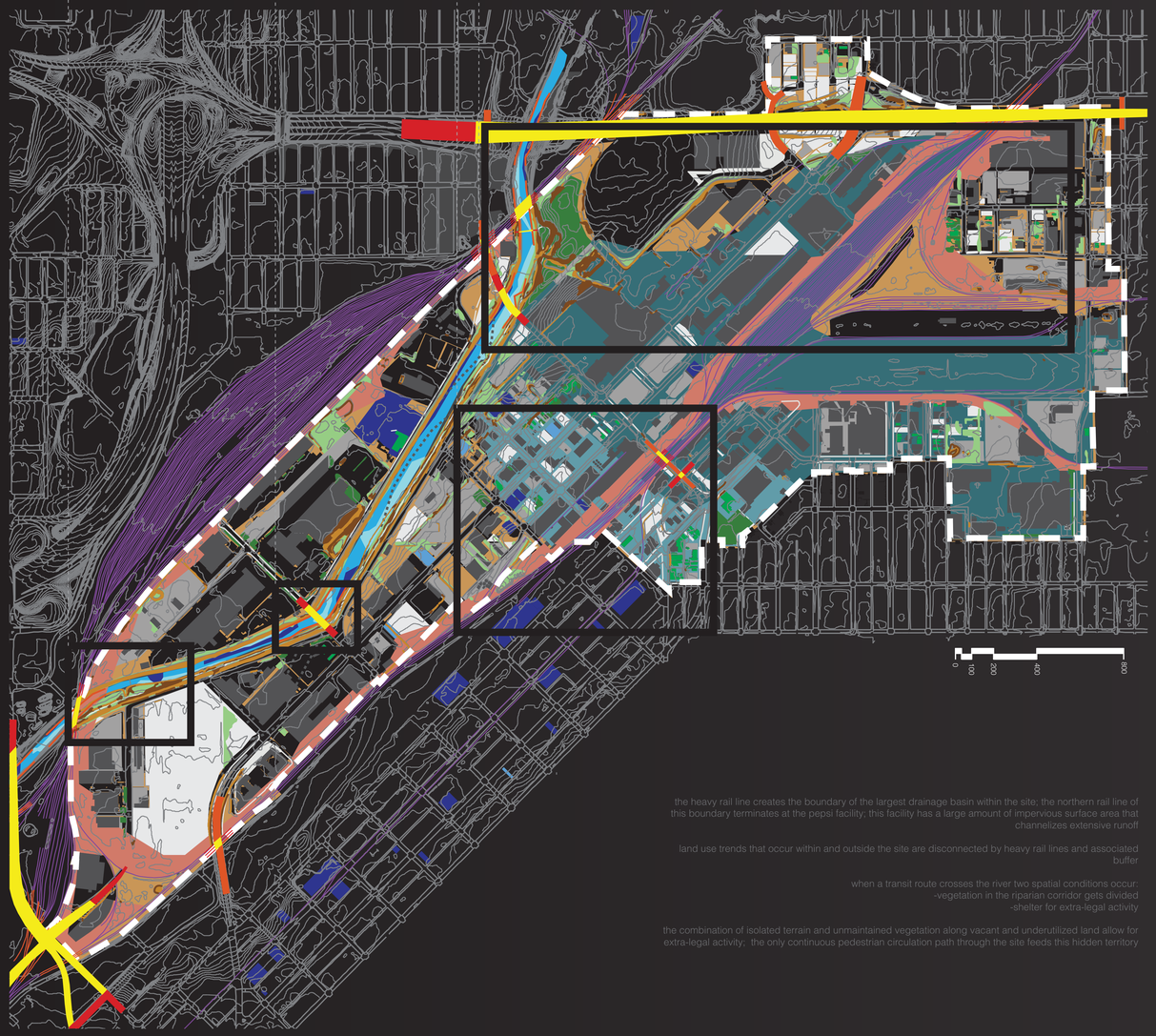

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