“Qualitative” Aspects of Master Planning

reigniting the vision

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Dr. Wilson’s Heritage

a series of planned experiences resulting in a:

- sense of order;
- sense of place;
- sense of community;
- sense of identity

……”the kind of creative thinking needed for the lab to succeed could only take place in a setting of environmental and architectural beauty”…..
our original Master Plan........

"The Green Book"

note the narrative on left
detail of Footprint Area....... a conceptual guide, not a final plan
variations from the master plan over time,

but the underlying concepts remain intact
-Swan Lake enhanced by “causeway” reflecting ponds
- strong axial layout
- parking area to west, but now condensed
procession of entry

as one passes through the sculpture, Wilson Hall is immediately identified as the central focus of the lab
thoughtful composition

At this point, Wilson Hall is no longer visible, the sculpture is central in the driver’s view, framed by woods.
controlled vistas

as one emerges from the woods, Wilson Hall appears on the right, reflected in Swan Lake.

continuing woods on the left guide your attention to Wilson Hall.
through careful siting, Wilson Hall rises above the LEC as a reminder of the true center of activity for the lab
the view from “40,000 feet”

roads, buildings, and berms define the underlying beamline patterns

Dr. Wilson was always concerned with the organized appearance of the lab from high above
strong geometric lines

use of axial line through footprint area maintains order in buildings, roads, and site elements
the axial line is extended north along the Pi-pole high voltage line
this establishes “lab north” and is the basis for the lab survey grid
it was later used to locate and orient the antiproton ring to the south
Wilson Hall is visible from almost all points on site

common architectural vocabulary includes random board finish concrete

site-wide unifying elements
visual recall

is utilized here in the precast concrete panels
and more recently in the logarithmic spirals
neighborhood identification

is provided by use of architectural vocabulary unique to various functional areas
Main Ring service buildings

“alphabet blocks”

originally featured a variety of wall colors, contrasting overhead doors with graphic circles, and multi-colored substations & air towers.
Antiproton ring

“Mayan”

sloped concrete walls with random board finish
Industrial area
“utilitarian”

Concrete wainscoting, strip windows and blue metal siding with orange doors and blue graphics
ends of fixed-target beamlines

were identified by creative, innovative, and fun structures
utilitarian structures were also designed as sculptural elements.

....”there is beauty to be found and expressed in the scientific apparatuses themselves and in their supporting utilities”....
Infrastructure elements were incorporated into the building composition
sculptural aspects of buildings
concepts lost over time

the Main Ring service buildings & substations have been homogenized in the name of maintenance
NuMI, Main Injector, MiniBooNE (& MR)

service buildings lack identification of function
a final quote from Dr. Wilson:

“a utopian place where physicists coming from all parts of the country – and from all countries – would be doing their creative thing in an ambiance of well-functioning and yet beautiful instruments, structures, and surroundings that would reflect the aesthetic magnificence of their discoveries and theories.”