Open Space + Embedded Landscape Presentation 12.01.20 Taylor Newman



Open Space: The Steel Yard



Embedded Landscape: Casa Nueva: Working in the Garden

OPEN SPACE: History



The Pleasure Ground: Typically large and located on the edge of the city, focusing on mental appreciation of the natural landscape in contrast to the city.

Transportation infrastructure aside, the isolation of these parks without the city resulted in their exclusive use by the upper class, resulting in a movement for inner city parks,

Central Park: Frederick law Olmstead - 1857



The Reform Park: A combination of inner city park and playground, the reform park often included play equipment, a symmetrical arrangement, and no illusion of coutryside or nature. Their principal architectural manifestation was the Fieldhouse, functioning as community shelter for the working class. These spaces were designed with reduction of class conflict, immigrant socialization, and education in mind.

This park typology would later be expanded upon to suburban and urban areas that had not yet received parks beginning in the 1930s as a public service.

Pulaski Field House: Jens Jensen - 1912



The Recreation Facility: An extension of the reform park in the 1930s, the recreation facility engaged suburban areas with uniform standards as a public service. Sport courts and fields were the principal designed components of these spaces, owing their lack of vegetation to their suburban environment,

The homogeneity of this typology was strongly opposed in the dialectic of the 1960s, calling into question the adaptability of the scheme to scattered urban sites of different character.

West 4th Street Courts: NYC Parks - ~1953







OPEN SPACE: History + Current Theory



The Open Park System: The 1960s saw a dialectic regarding the sterility of recreation facilities, and their institutional nature. Parks are reclaimed as mechanisms of social reform, and are now considered within context, as well as part of a conceived network of diparate, though connected landscapes.

The open park system continues, allowing urban open spac to be recreation in almost any context, in streets, rooftops, on waterfronts, along railway lines, as well as in traditional plazas and parks.

Paley Park: Zion and Breen - 1967



The Sustainable Park: New characteristics of park design, building upon previous types, are native species, natural system restoration, infrastructure integration, recycling, sustainable construction, and maintenance practices.

Steel Yard: Klopfer Martin Design Group - 2011

- 1965-?



Principle 1: Resource self sufficiency.







Principle 2: Integration into larger urban network.





Principle 3: New modes of aesthetic expression.







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Sustainable Design Practices Native Plant Species Composting Storm Water and Waste Management Community Engagement

Urban Infrastructure Integration Post Industrial Land Reclamation Social Wellbeing



Evolutionary Aesthetic: Temporality Ecology as Form Ecological Systems Design

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The High Line: The High Line is a precedent urban park that reclaims a former elevated railroad for new use, promoting timely principles of ecological sustainability, urban regeneration and adaptive reuse. Two hundred and ten species of perennials, grasses, shrubs and trees were carefully selected to produce a primarily native, resilient, and low-maintenance landscape, building upon the existing self-sown landscape and working with specific environmental conditions and microclimates.





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OPEN SPACE: Case Studies - ASLA Honor Awards - 2009-2011

ECO-PARK/URBAN REHABILITATION

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BUILDING/SYSTEMS INTEGRATION

The California Academy of Sciences: a reduction of storm water runoff by at least 90 percent (up to 2 million gallons of water per year), reduced energy needs for air conditioning, and longer roof life potentially doubling the life of the roof membrane. Additionally, the extended roof plane forms a broad shade canopy over the building's perimeter circulation and outdoor gathering spaces and houses 62,000 photovoltaic cells to supply almost 213,000 kilowatt hours of clean energy per year (about five percent of the new academy's needs), thereby preventing the release of more than 450,000 lbs of greenhouse gas emissions.



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ECO-PARK/URBAN REHABILITATION

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Embedded Landscape: Current Principles



Topographic Integration: Topographic integration attempts to manipulate the ground in an attempt to merge the elements of building and landscape by treating built form as inhabitable landform.

Lycee Jean Moulin: OFF Architecture - 2009



Ecological Integration: Ecological integration attempts to develop environments that both provide public space and address issues of natural resource management such as water retention, terrain remediation, and energy efficiency.

"Lost in Paris": R&Sie - 2009



Bio Computation: Bio computation attempts to employ computer-aided design to script digital codes to generate forms and patterns that capture the adaptive and self-organizing properties of living systems. One might consider this in as a neo-contextualist move.

Copse :House: EcoLogic Studio - 2009

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