



dan pearlman

EXPERIENCE ARCHITECTURE

SYNERGIES BETWEEN NEW AND EXISTING STRUCTURES

- WAYS TO ACHIEVE GREEN ENRICHMENT BENEFITS FOR ANIMALS, PLANTS AND PEOPLE

Zoo Design Conference April 2017

ENRICHMENT & ENCLOSURE DESIGN

New Structures - Indoors



Stuttgart Wilhelma | Ape House

ENRICHMENT & ENCLOSURE DESIGN

New Structures | Outdoors



Virginia Zoo | Orangutan Exhibit

ENVIRONMENTAL ENRICHMENT

Site Analysis | New & Existing Structures



Hannover Zoo | Gorilla Mountain

ENVIRONMENTAL ENRICHMENT

Site Analysis | New & Existing Structures



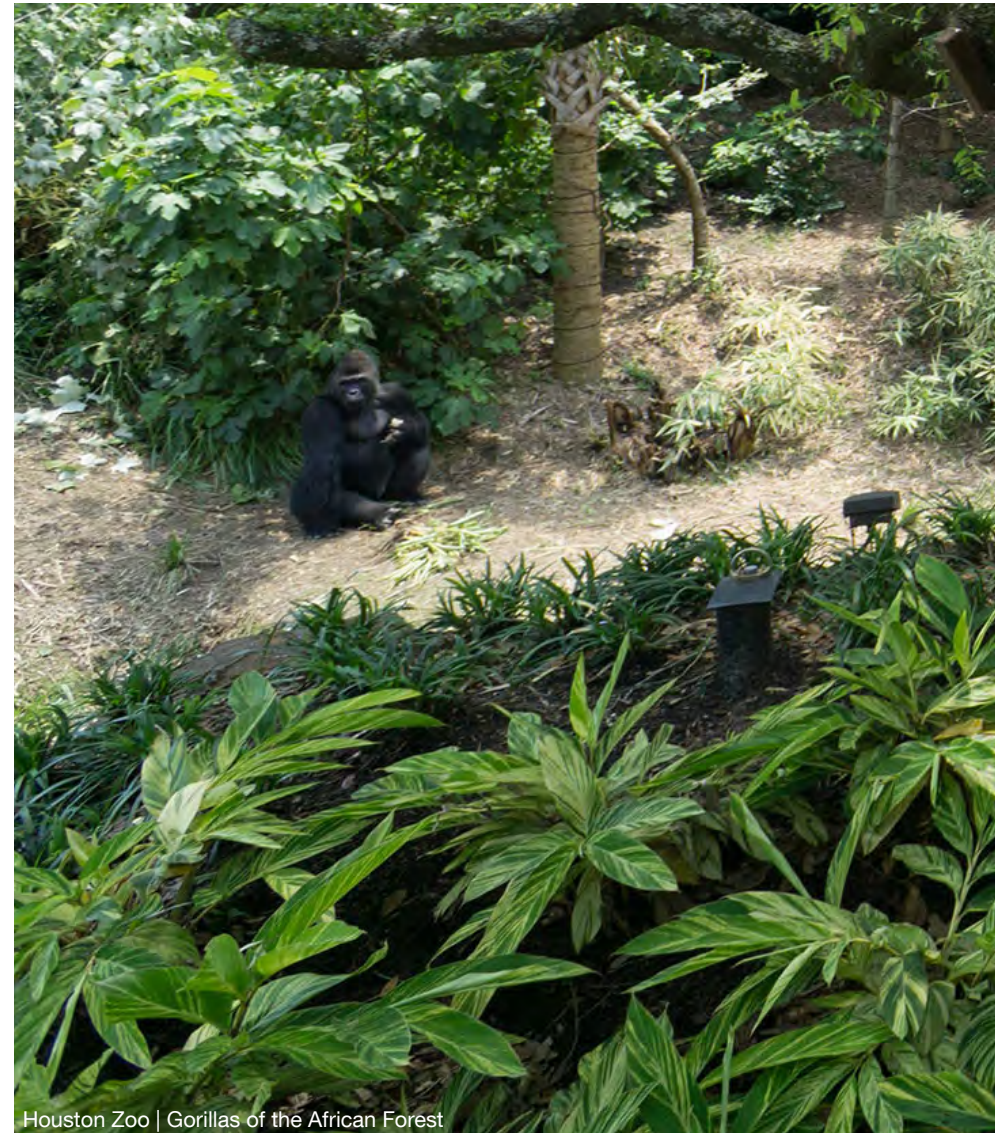
Apeldoorn Apenheul | Spider Monkey Exhibits

ENVIRONMENTAL ENRICHMENT

Immersion with Planting



Basel Zoo | Ape House & Exhibit



Houston Zoo | Gorillas of the African Forest

FUNCTION OF PLANTS

Nature as Model



- Shelter & Safety
- Natural Behaviour
- Diet
- Diversity, Flexibility & Sensory Perception

FUNCTIONS OF PLANTS

Shelter

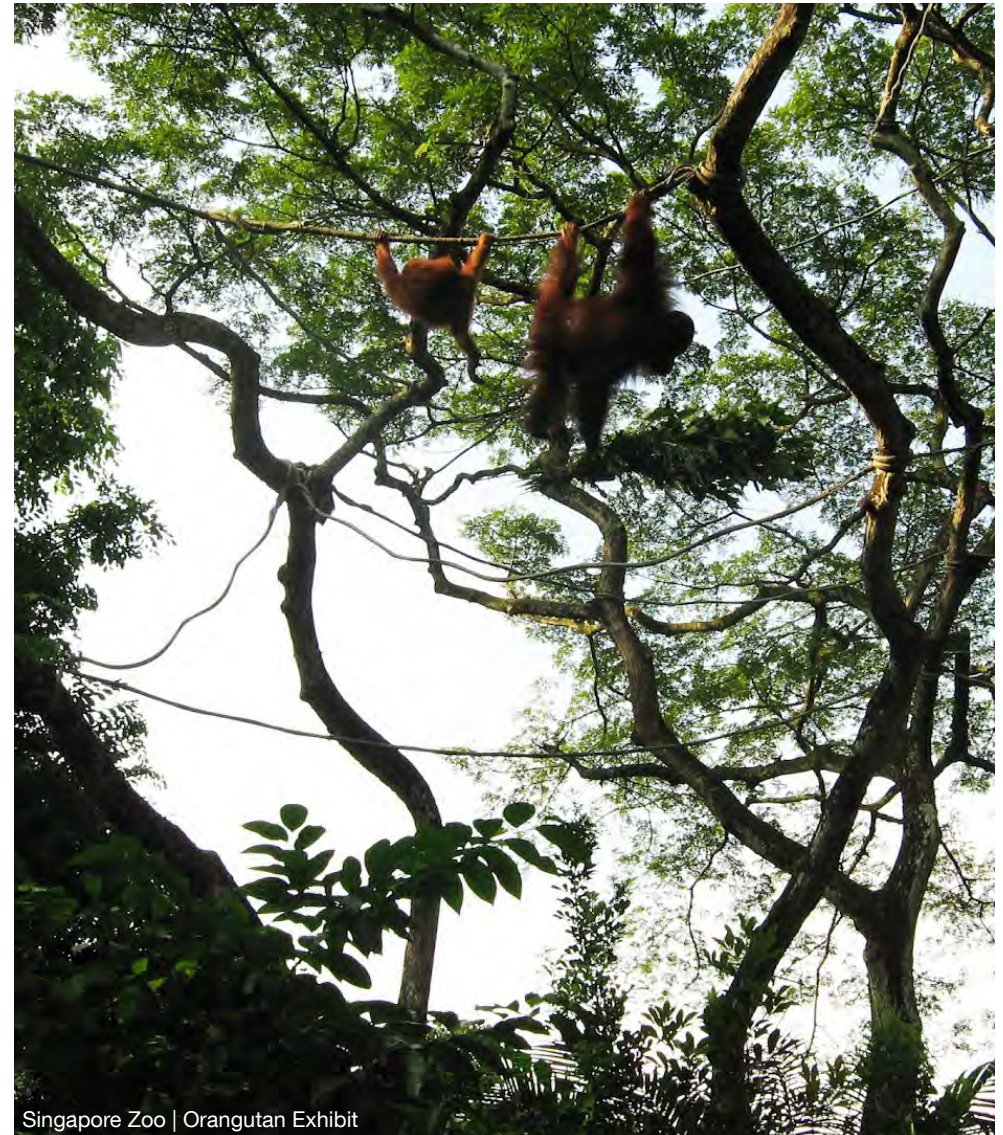


FUNCTIONS OF PLANTS

Shelter & Safety



Singapore Zoo | Orangutan Exhibit



Singapore Zoo | Orangutan Exhibit

FUNCTIONS OF PLANTS

Shelter & Safety



San Diego Zoo | Orangutan & Siamang



Basel Zoo | Orangutan Exhibit

FUNCTIONS OF PLANTS

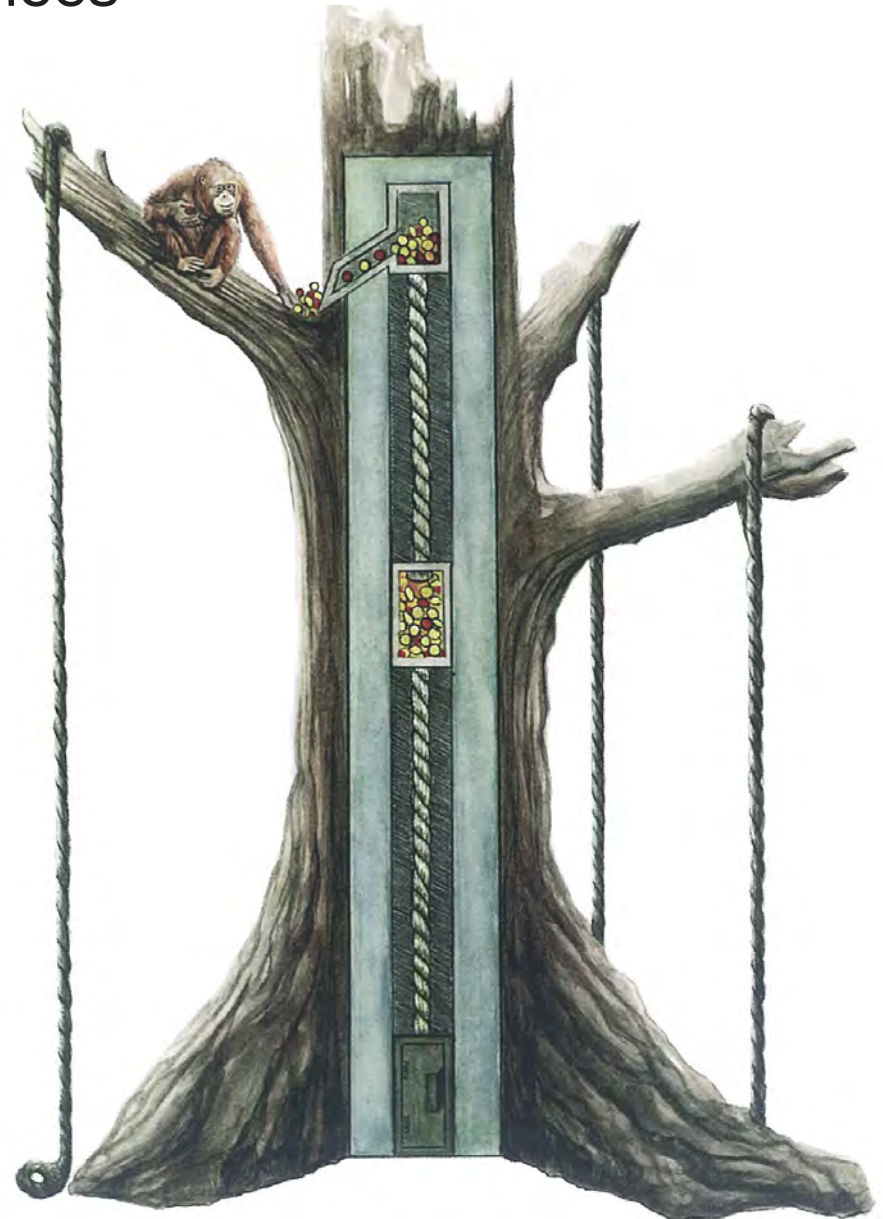
Diet



Baltimore Aquarium | Golden Lion Tamarin

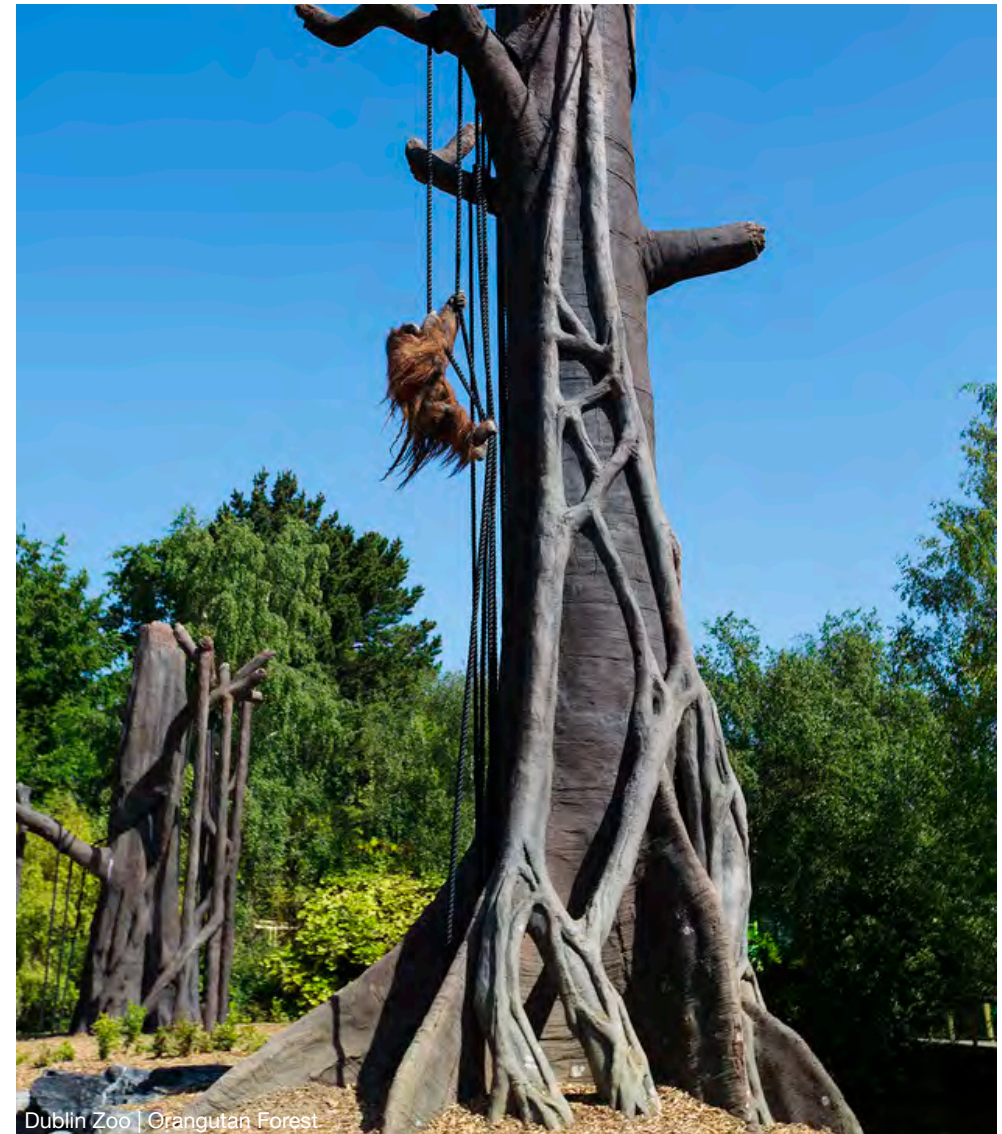
FUNCTIONS OF PLANTS

Diet & Natural Behaviour | Feeding Devices



FUNCTIONS OF PLANTS

Diet & Natural Behaviour | Feeding Devices



FUNCTIONS OF PLANTS

Diversity & Flexibility | Swinging Structures



Seattle Woodland Park Zoo | Siamang Exhibit



Seattle Woodland Park Zoo | Gorilla Exhibit

FUNCTIONS OF PLANTS

Diversity & Flexibility | Sway Poles



Melbourne Zoo | Orangutan Exhibit

FUNCTIONS OF PLANTS

Diversity & Flexibility | Mixed Structures



Columbus Zoo | Borobo Exhibit



Leipzig Zoo | Pongoland

FUNCTIONS OF PLANTS

Diversity & Flexibility | Mixed Structures



Apeldoorn Apenheul | Howler Monkey Exhibit

FUNCTIONS OF PLANTS

Diversity & Flexibility | Mixed Structures



Leipzig Zoo | Pongoland

FUNCTIONS OF PLANTS

Diversity & Flexibility | Mixed Structures



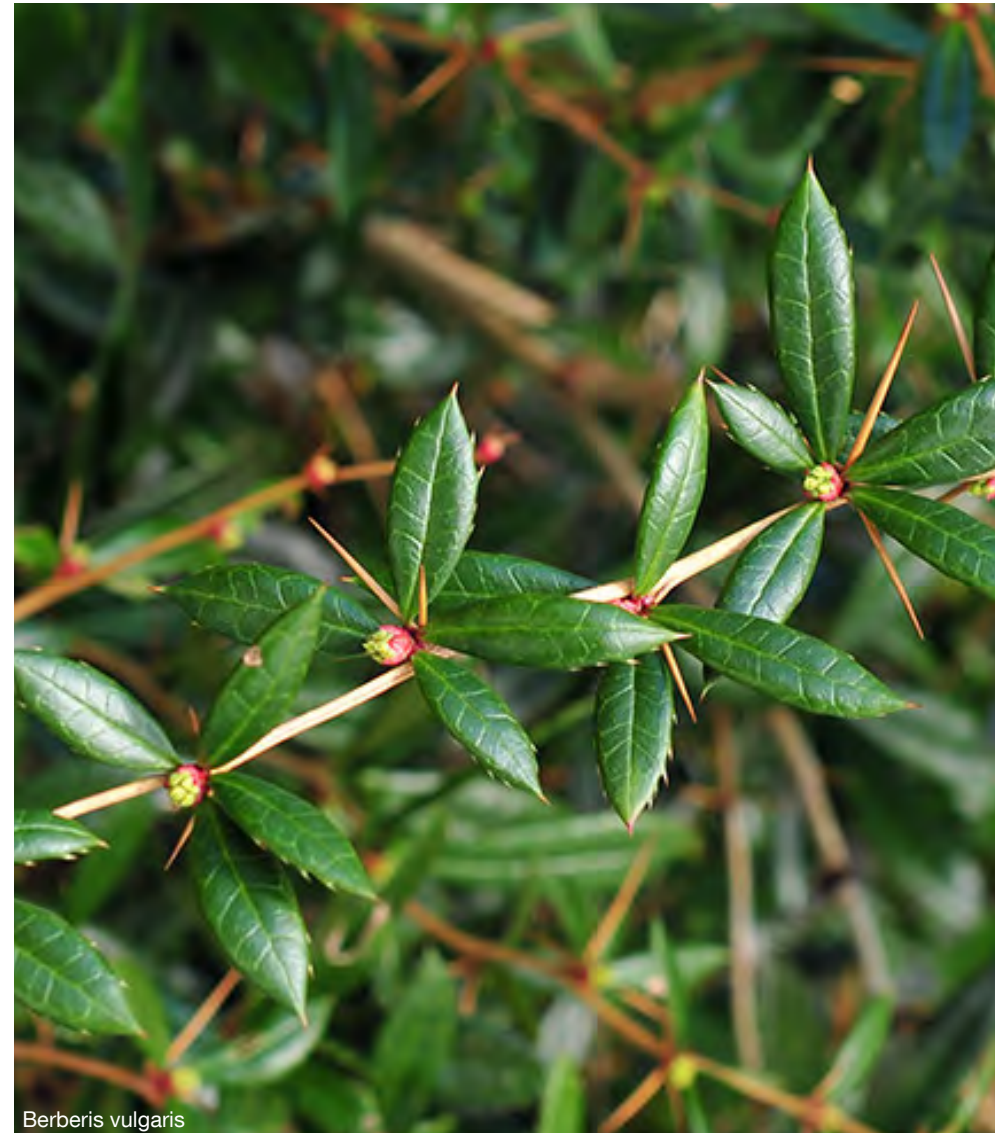
Chester Zoo | Orangutan Exhibit

FUNCTIONS OF PLANTS

Sensory Enrichment & Natural Structure | Resisting Plants



Arnhem Burger's Zoo | Gorilla Exhibit



Berberis vulgaris

FUNCTIONS OF PLANTS

Sensory Enrichment & Natural Structure | Transplantation



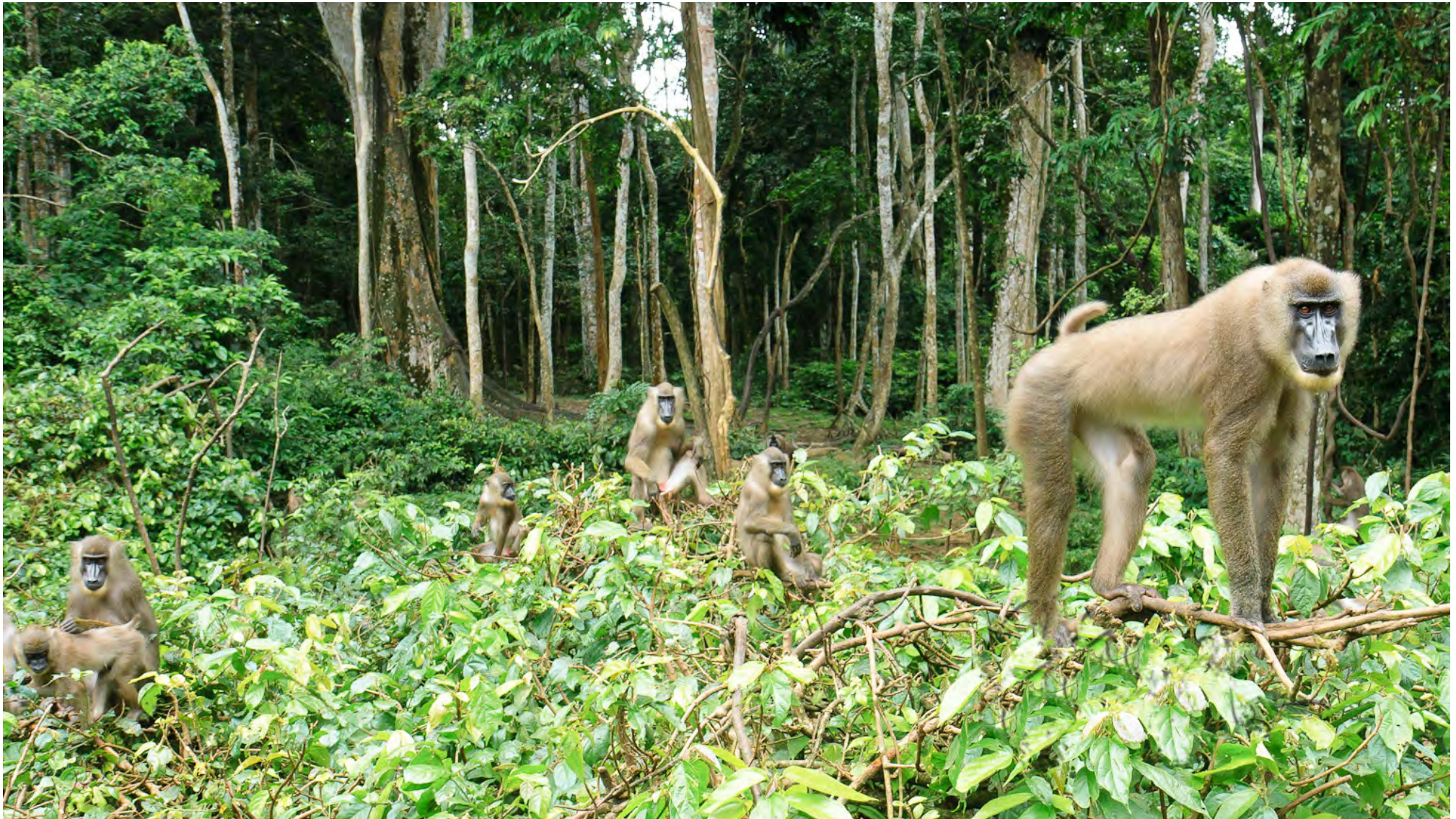
Pairi Daiza | Orangutan Exhibit



Pairi Daiza | Orangutan Exhibit

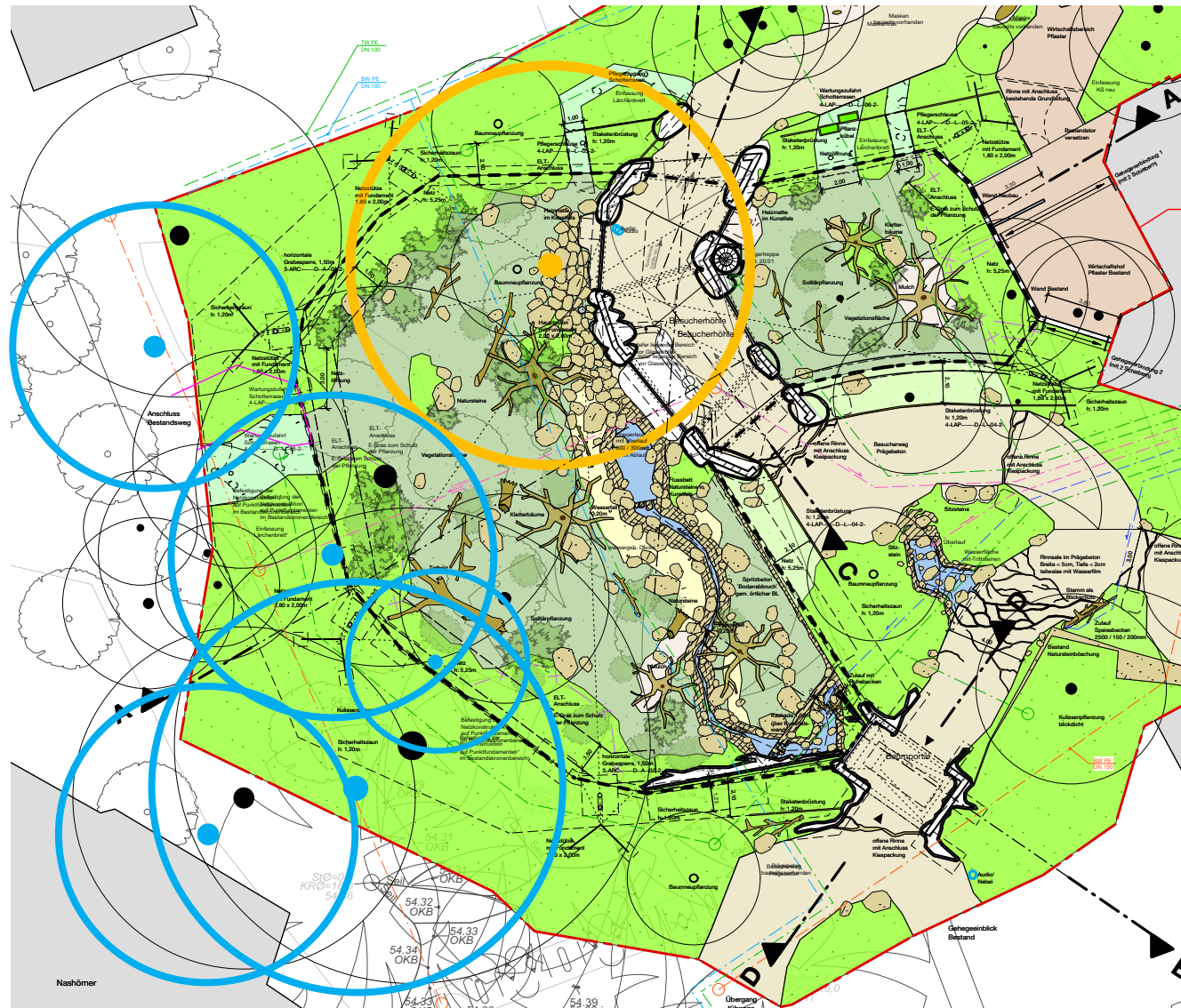
CASE STUDY | DRILLS IN NATURE

Diverse Planting Structures



CASE STUDY | DRILL ENCLOSURE

Consideration of Existing Trees



CASE STUDY | DRILL ENCLOSURE

Re-Use of Existing Tree

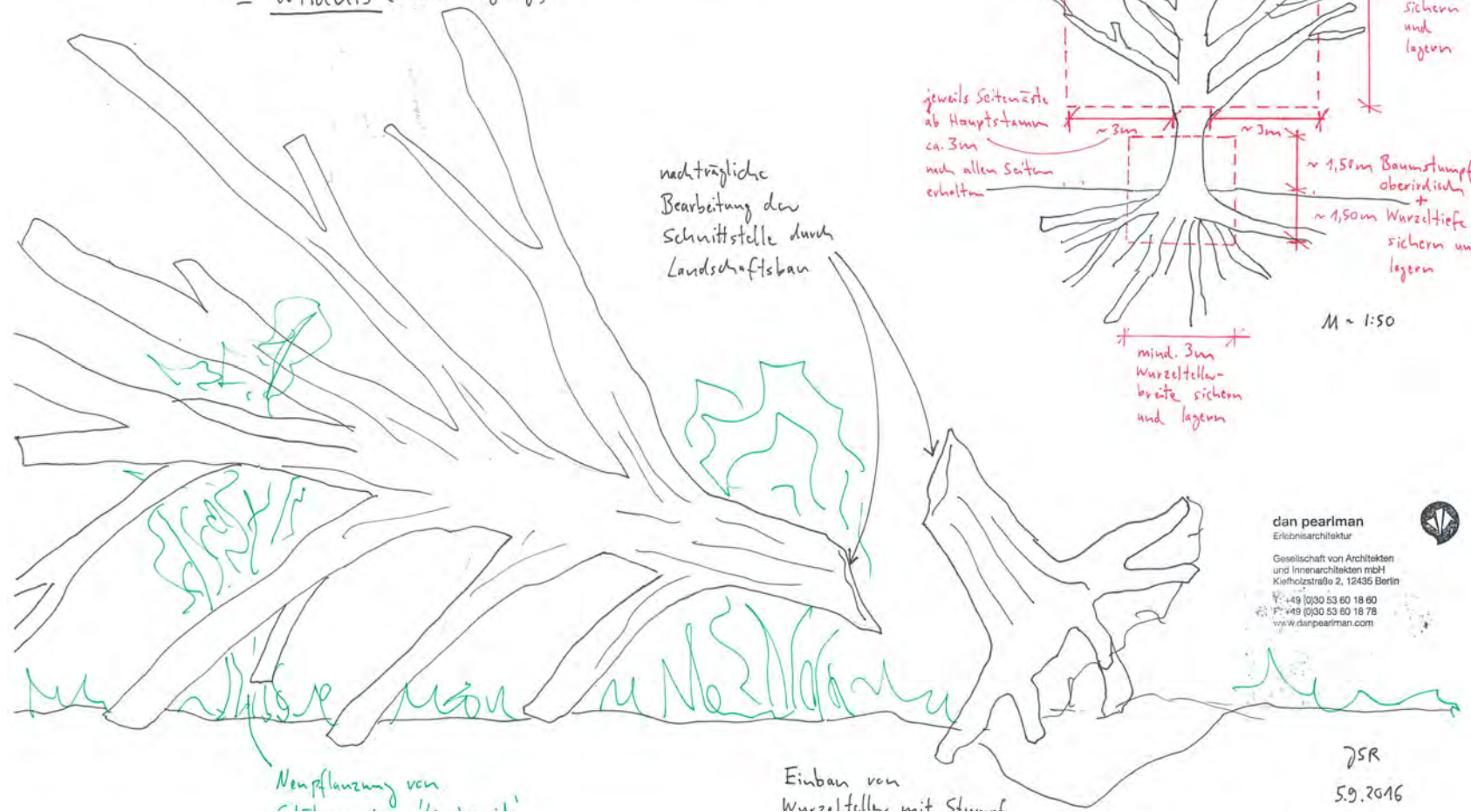


CASE STUDY | DRILL ENCLOSURE

Re-Use of Existing Tree



Verwendung der großen Eiche (Baum Nr. 9) nach Fällung
als liegendes Kletterelement für Affen + Landschaftsgestaltung!
Gestaltungsziel: natürliche Baumsturzumstände / Umwelter
= Wildnis (nicht Zoogehege)



CASE STUDY | DRILL ENCLOSURE

Re-Use of Existing Tree



CASE STUDY | DRILL ENCLOSURE

Choice of New Planting



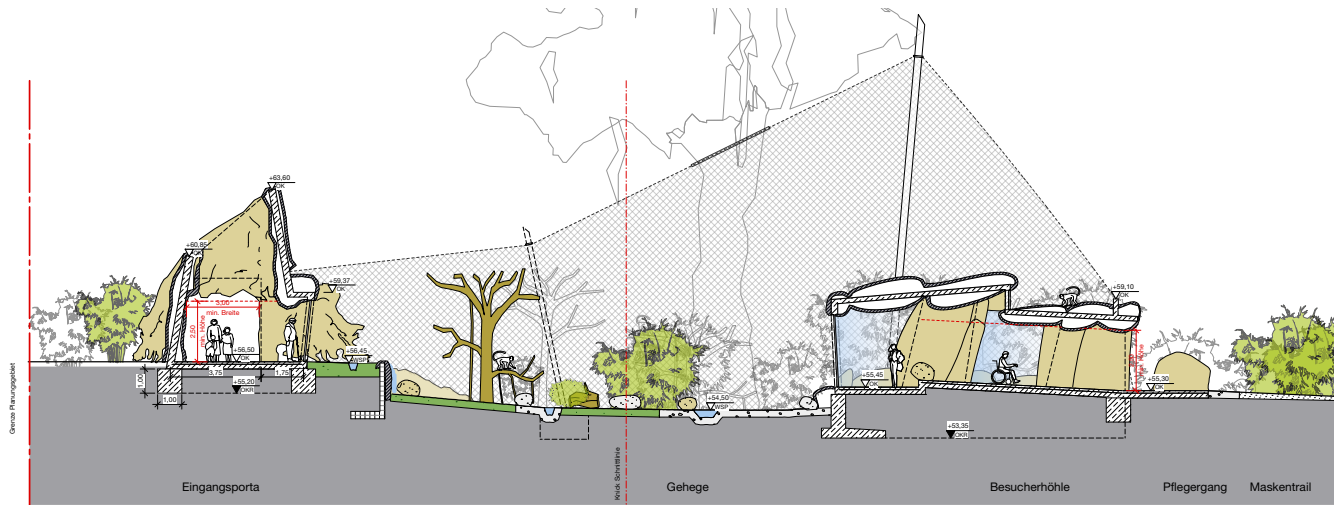
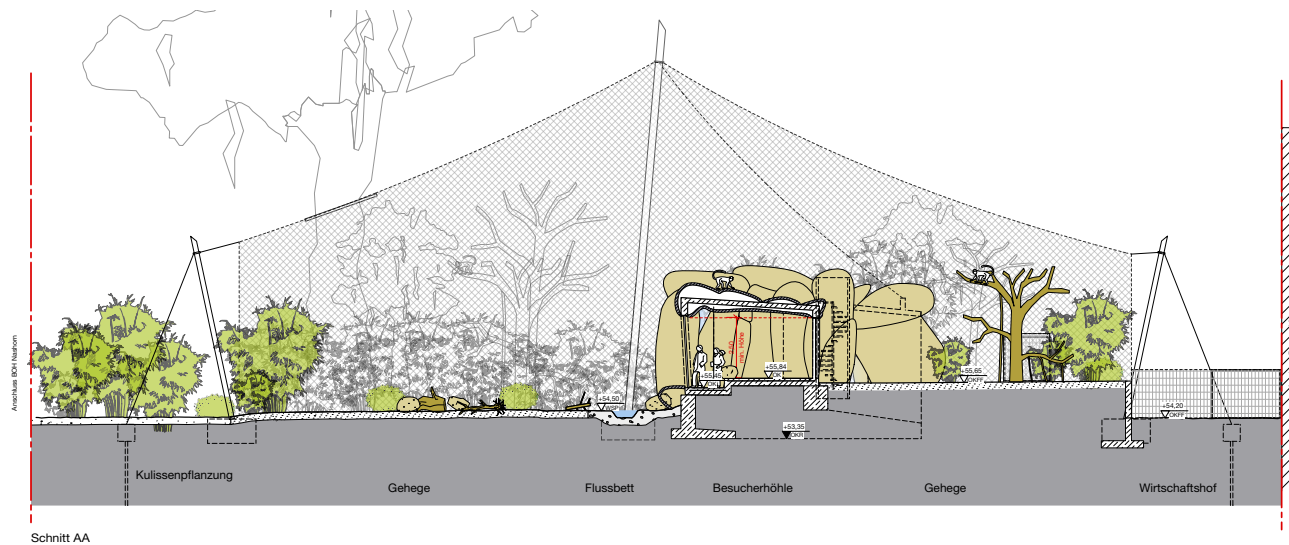
CASE STUDY | DRILL ENCLOSURE

Choice of New Planting



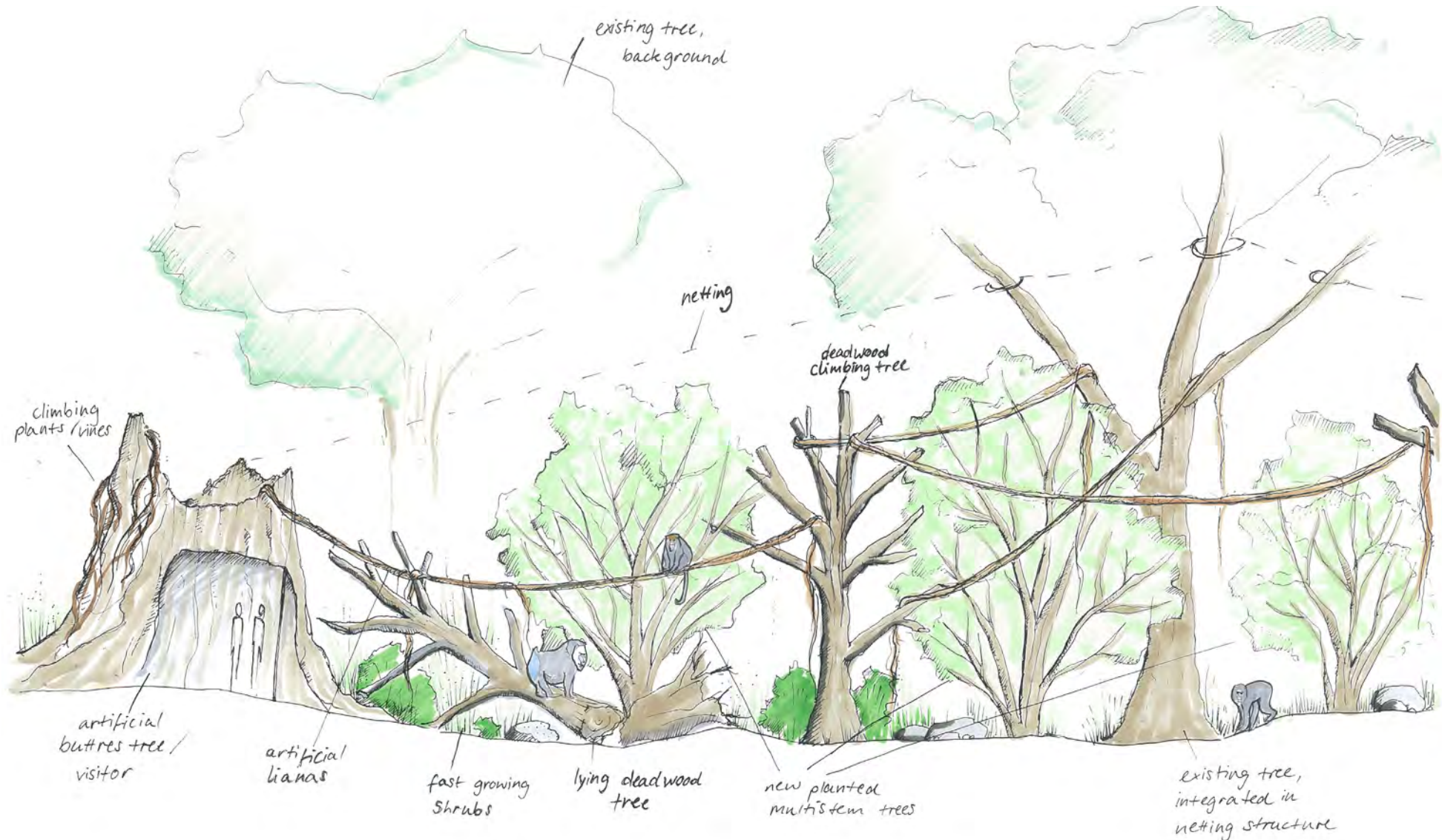
CASE STUDY | DRILL ENCLOSURE

Principle Sections



CASE STUDY | DRILL ENCLOSURE

Combining Climbing Structures and Living Plants | Day 1



CASE STUDY | DRILL ENCLOSURE

Living Plants as Climbing Structures after Vegetation Growth



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