



Client Lighting Brief

Taman Petanu Eco Neighborhood Common Facilities

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This document has been developed by PT Alam Santi as a client brief for the interior, exterior and semi exterior spaces lighting needs for the Taman Petanu Eco-Neighborhood in Kemenuh, Bali.

It provides basic layouts to clarify areas of the neighborhood that require special lighting attention at the neighborhoods common:

- Outdoor areas such as: gardens, driveway, paths, theater area etc
- Semi outdoor areas such as: open air living, covered walkways etc
- Interior areas
- Artwork placement both outdoor and indoor

It also provides some basic clarification and explanations about the some of the key functionality of various areas at the neighborhood, with interior elevation views of specific interior room designs to facilitate ease in the light design planning process.

Also included in this brief are several examples of lighting styles and fixture types that will hopefully help to clarify the lighting styles and moods that we believe are in alignment with the ‘personality’ style of the Taman Petanu Eco Neighborhood.

The neighborhood is a playful, creative and dynamic place and emphasis is placed on a style that may be termed as ‘Whimsical Bali Garden’ to describe the feel we are aiming for.

The eco-neighborhood’s goals for the lighting place strong emphasis on energy efficiency, cost effectiveness, functionality and the ‘art of lighting’. We deeply believe in the impacts that an artistic and intuitive lighting system can make on the sense of harmony and well being of the residents of the neighborhood and visitors alike.

We are looking forward to living with a fantastic lighting design at the Taman Petanu Eco Neighborhood!

Thank you so much for your support in making this a reality!

Sincerely,

The Alam Santi Team on behalf of the Taman Petanu Member’s Group





















Overview of areas covered in this client lighting brief

ITEMS SHOWN ON PLAN A 'Common Facilities Master Plan'










ITEMS SHOWN ON PLAN B 'Site Master Plan'

OTHER ITEMS (not show on plans)











Group 1 - Exterior areas for lighting design

Exterior (shown on Plan A)	Exterior (shown on Plan B)	Exterior other
 Singage	 Common garden areas	X Exterior fixtures
 Water feature - parking roundabout	 Common wetland garden areas	
 Water feature - central walkway	 Driveway (road & to farm) & Parking	
 Amphitheater seating	 Pathway down to the river	
 Amphitheater stage	 Pathways (pedestrian, bicycle, buggy)	
 Playground	 Pathway roundabouts	
 Sports field	 Entry & pathway steps (check locations)	
 Pool deck & pool shower	 Singage	
 Pool		
 Exterior Service Areas		

Group 2 - Semi Exterior areas for lighting design

Semi Exterior (shown on Plan A)	Semi Exterior (shown on Plan B)	Semi Exterior other
 Bale for security & bale for drivers	 Bale for meditation at the river	X Exterior doors
 Semi open air reception area		
 Wantilan		
 Covered walkways		
 Café Terrace		
 Exterior sinks x 5		
 Bale at pool-side deck		
 Bale river view (just beyond the pool)		

Group 3 - Interior areas for lighting design




Interior (shown on Plan A)	Interior Other
 Administration / office rooms	Wall artwork lighting
 Meeting room	
 Cafe Food Prep / kitchen area	
 Café service counter & display fridge	
 Cafe indoor eating area	
 Cafe Shop	
 Cafe Storage / pantry	
 Backstage changing / storage room	
 Toilets - 8 units in 4 area	
 Storage, engineering, waste collection	




Plan A - Common Facilities Architectural Master Plan

as of mid February 2012





Exterior (shown on Plan A)

-  Singage
-  Water feature - parking roundabout
-  Water feature - central walkway
-  Amphitheater seating
-  Amphitheater stage
-  Playground
-  Sports field
-  Pool deck & pool shower
-  Pool
-  Exterior Service Areas

Semi Exterior (shown on Plan A)

-  Bale for security & bale for drivers
-  Semi open air reception area
-  Wantilan
-  Covered walkways
-  Café Terrace
-  Exterior sinks x 5
-  Bale at pool-side deck
-  Bale river view (just beyond the pool)

Interior (shown on Plan A)

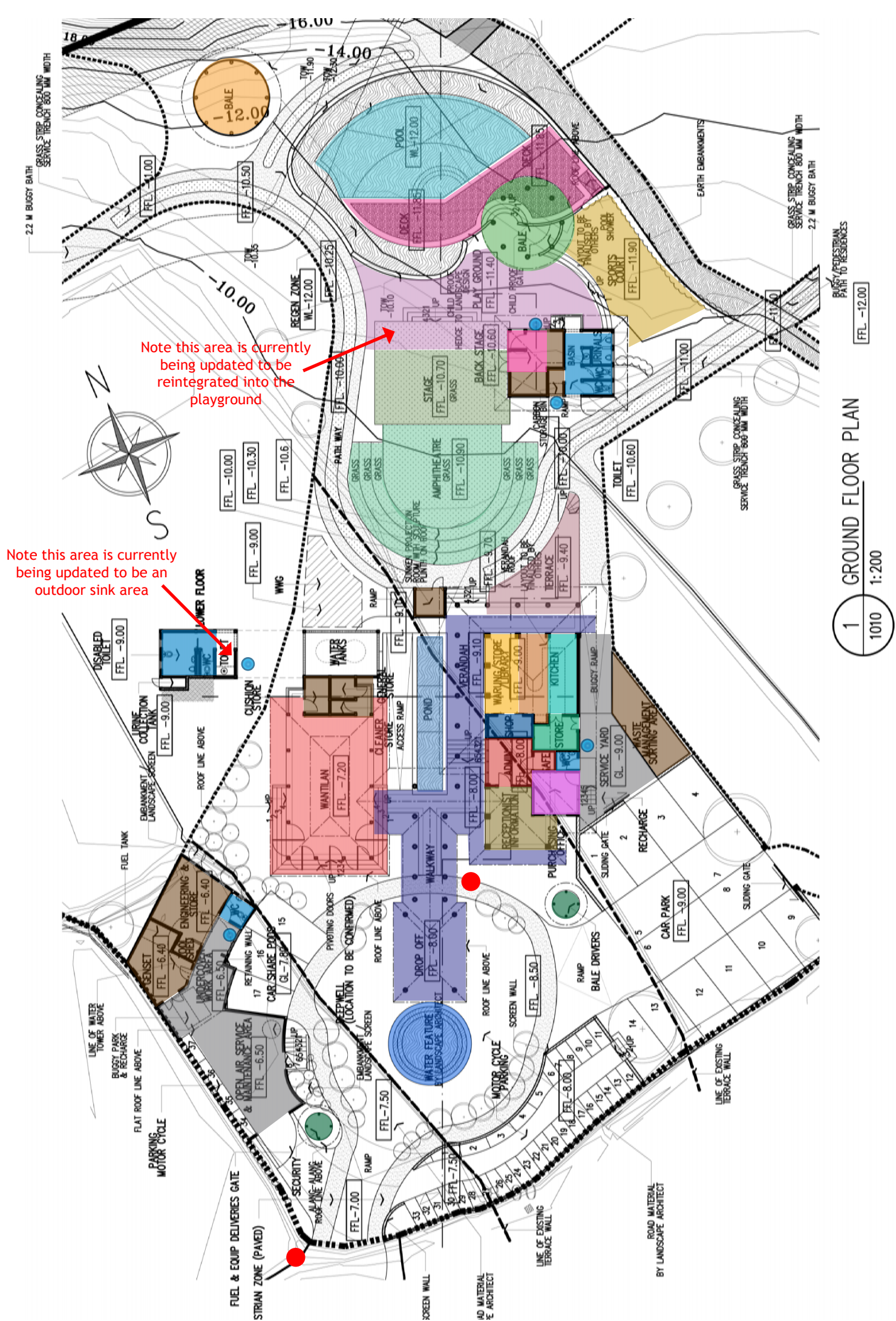
-  Administration / office rooms
-  Meeting room
-  Cafe Food Prep / kitchen area
-  Café service counter & display fridge
-  Cafe indoor eating area
-  Cafe Shop
-  Cafe Storage / pantry
-  Backstage changing / storage room
-  Toilets - 8 units in 4 area
-  Storage, engineering, waste collection

These storage/service areas simply require some

basic functional lighting - they include:

- Engineering to west of parking
- Waste collection to east of Cafe
- Wantilan storage north end of wantilan
- Projector room south of amphitheater
- Theater equipment storage in backstage
- Carbon materials storage @ compost toilets





Plan B - Site Master Plan

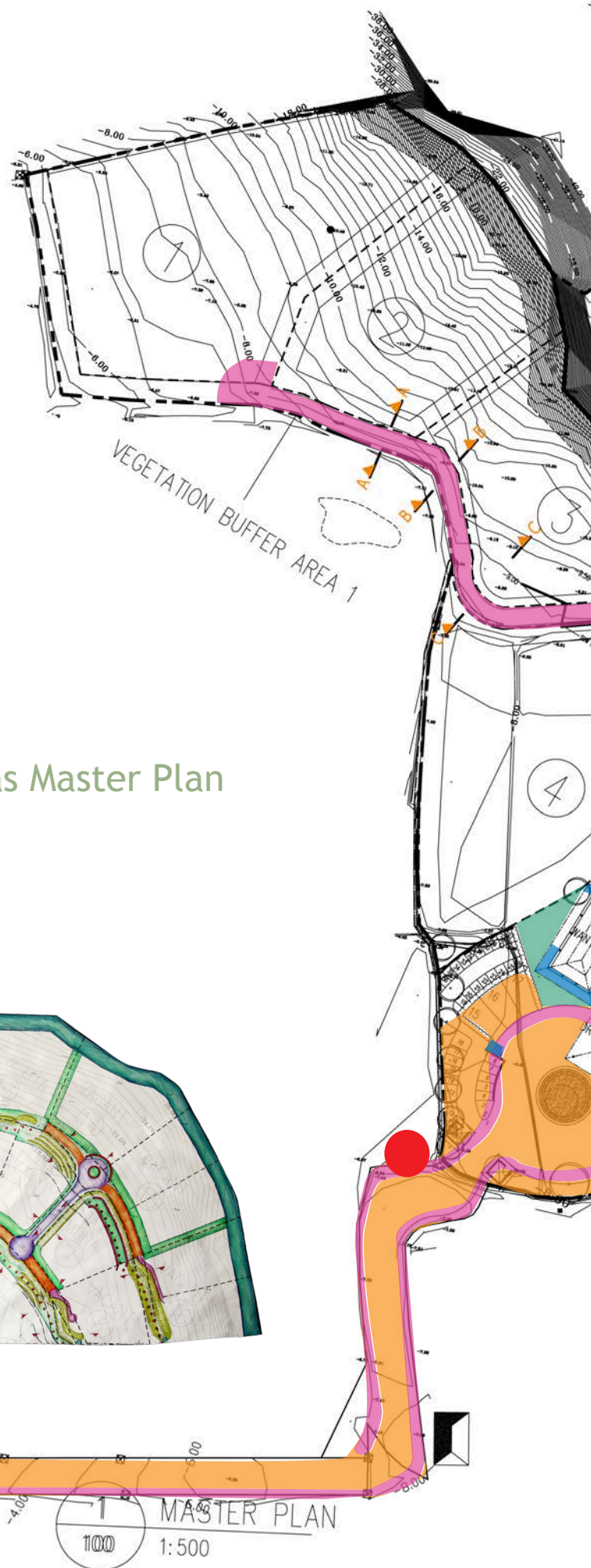
Note: plan is based on previous version of the common facilities master plan...

Exterior (shown on Plan B)

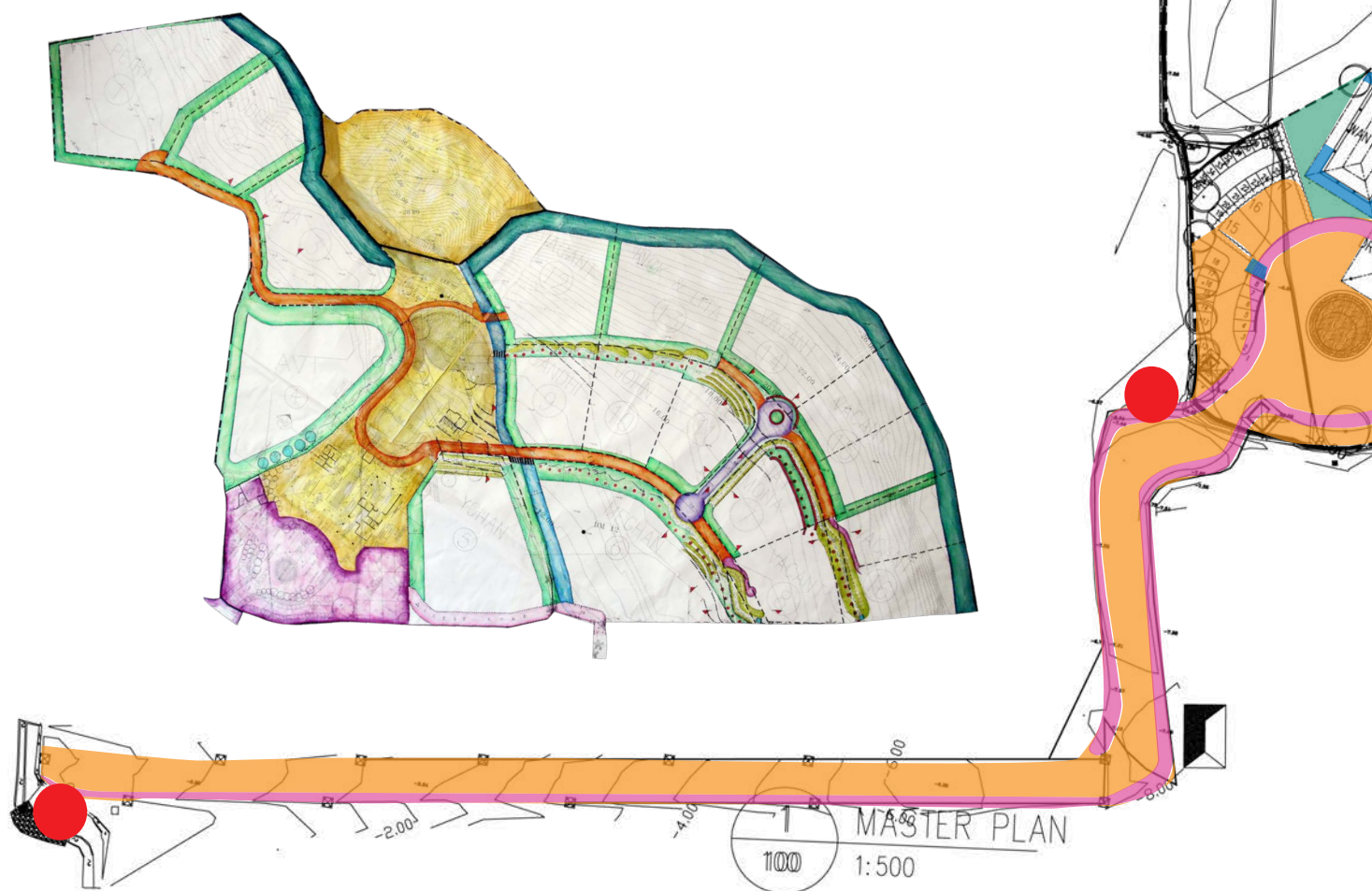
- Common garden areas
- Common wetland garden areas
- Driveway (road & to farm) & Parking
- Pathway down to the river
- Pathways (pedestrian, bicycle, buggy)
- Pathway roundabouts
- Entry & pathway steps (check locations)
- Footpath
- Singage

Semi Exterior (shown on Plan B)

- Bale for meditation at the river



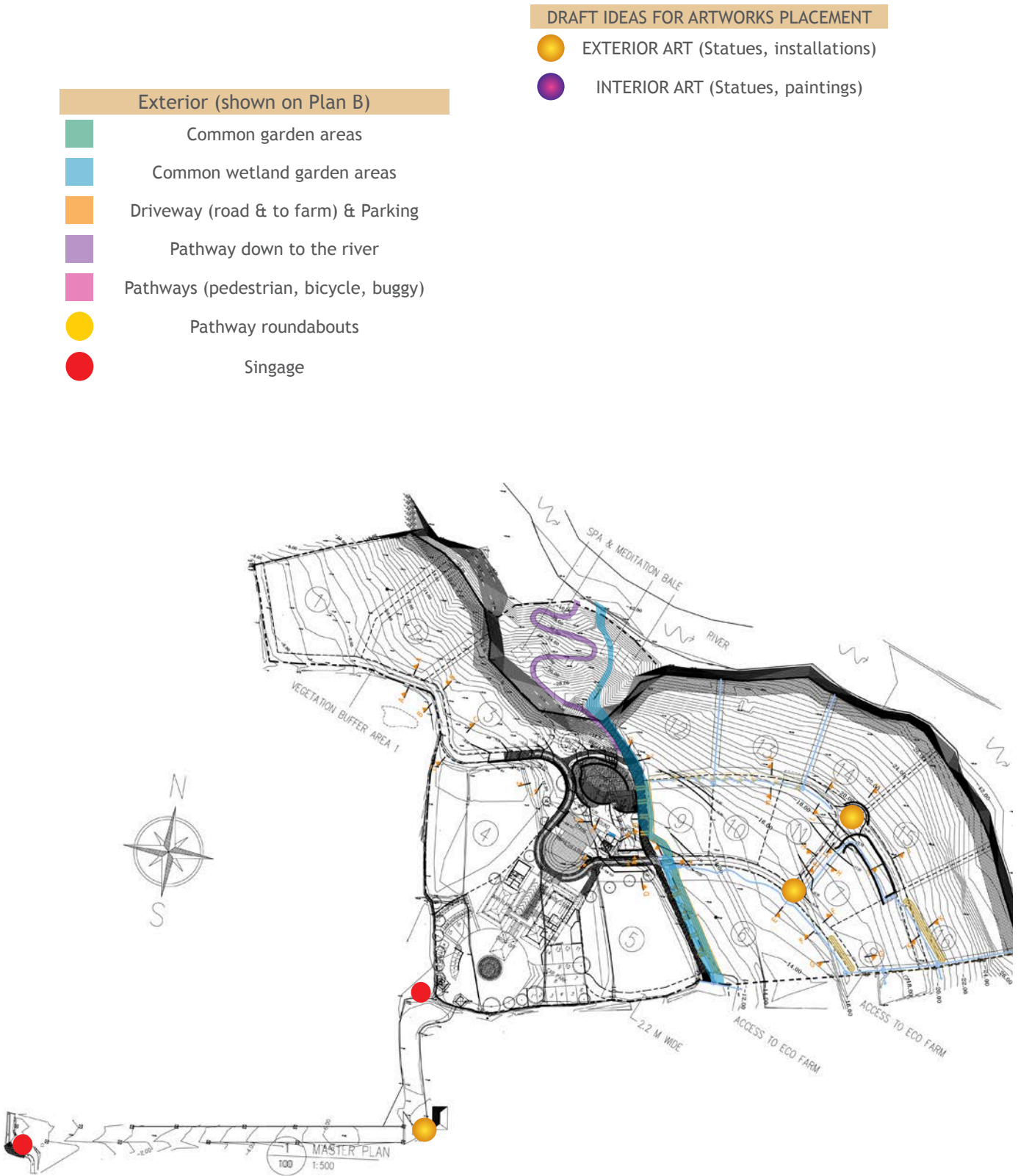
The Permaculture Setback Areas Master Plan

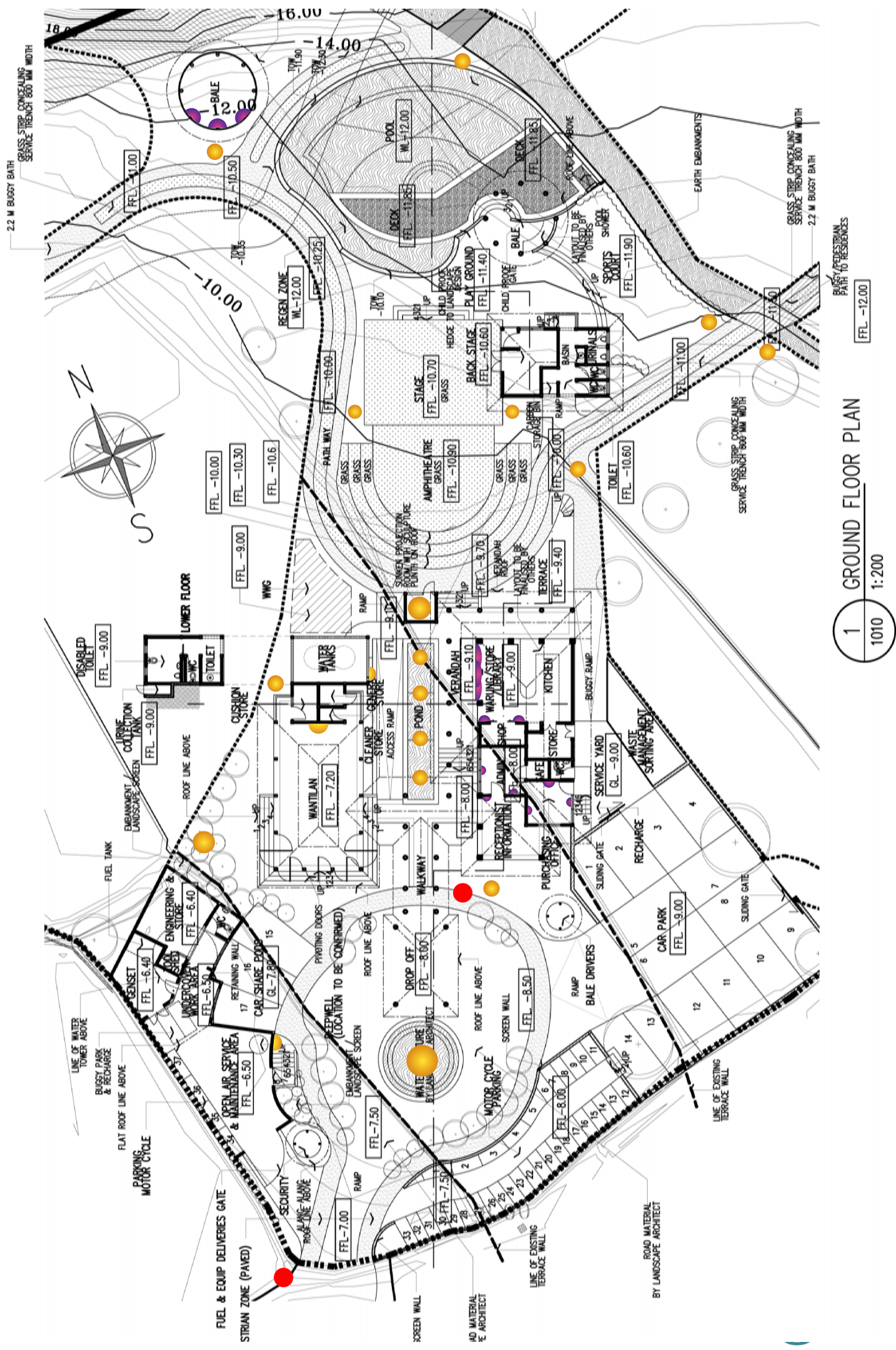




Plan C - Draft for Artworks

Note: plan is based on previous version of the common facilities master plan...



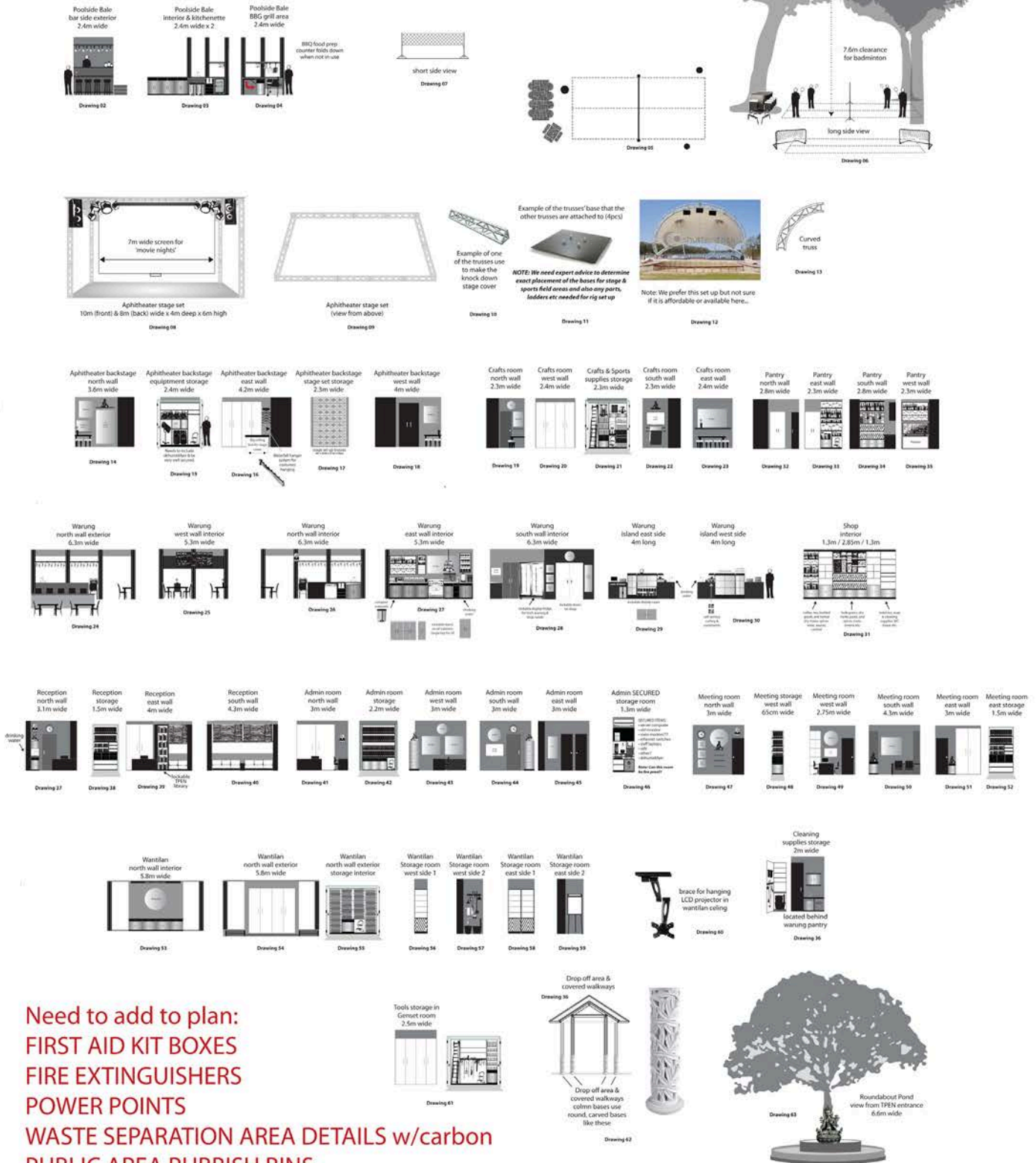


1 GROUND FLOOR PLAN
1010 1:200

Rough draft interior design

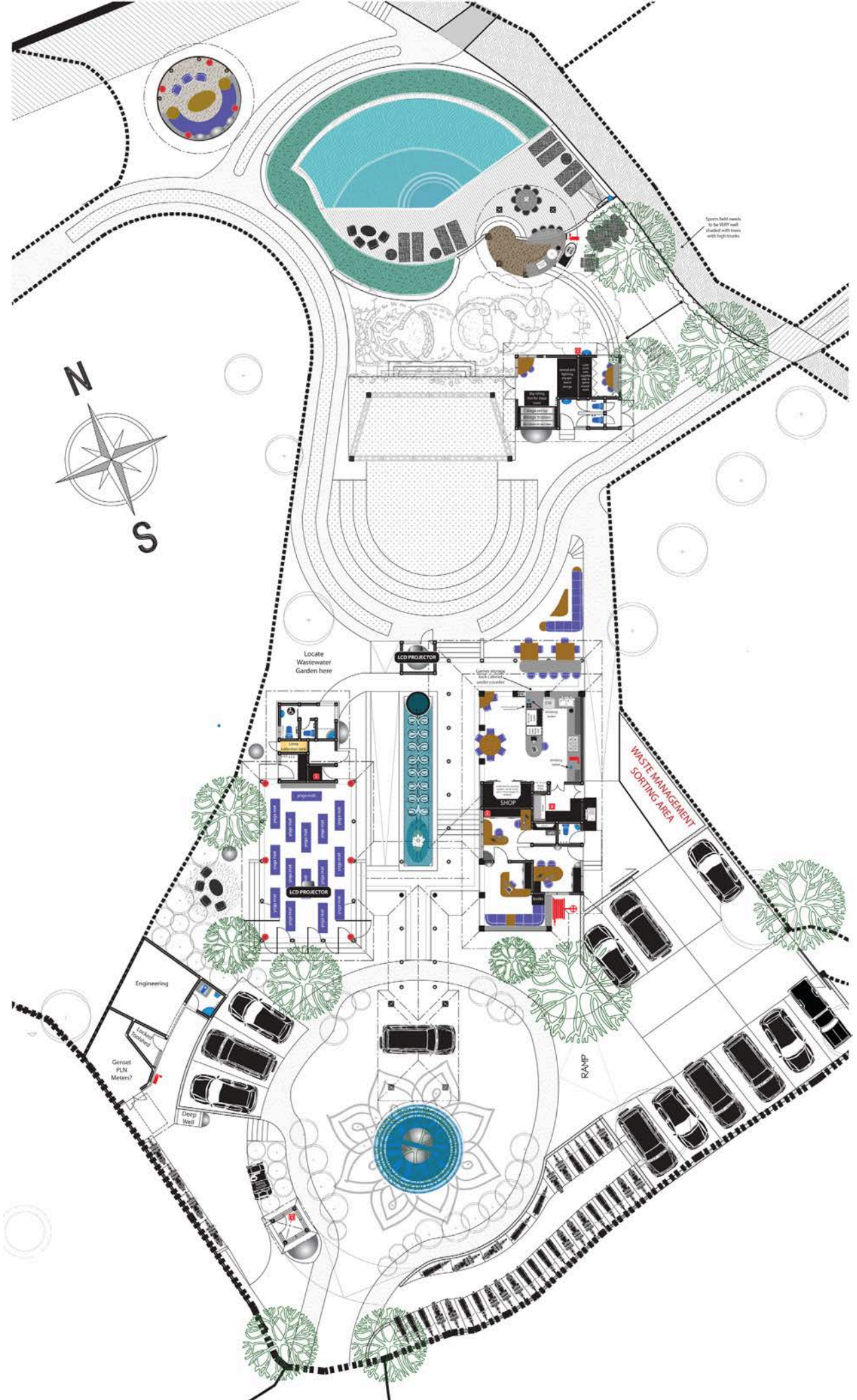
Note: plan is based on previous version of the common facilities master plan...

Taman Petanu Eco Neighborhood - COMMON FACILITIES interiors



Need to add to plan:
FIRST AID KIT BOXES
FIRE EXTINGUISHERS
POWER POINTS
WASTE SEPARATION AREA DETAILS w/carbon
PUBLIC AREA RUBBISH BINS
PROJECTOR IN AMPHITHEATER RAIN PROTECTION



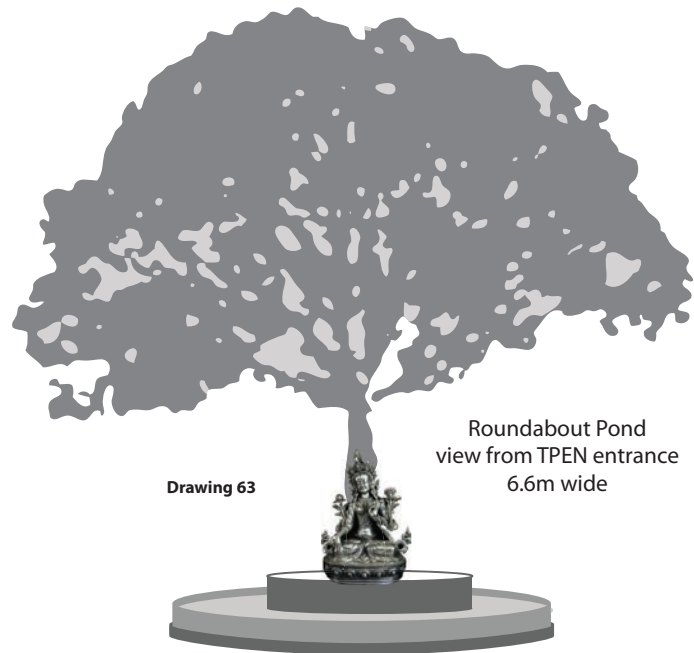




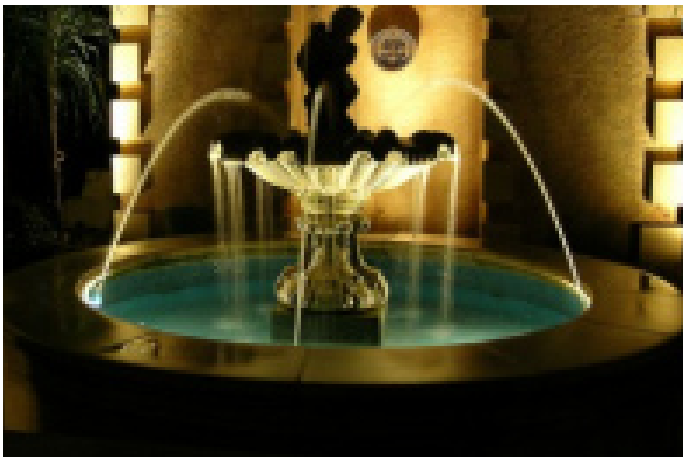
Style Samples - Group 1 - Exterior areas for lighting design



Exterior areas (shown on Plan A)



Water feature - parking roundabout

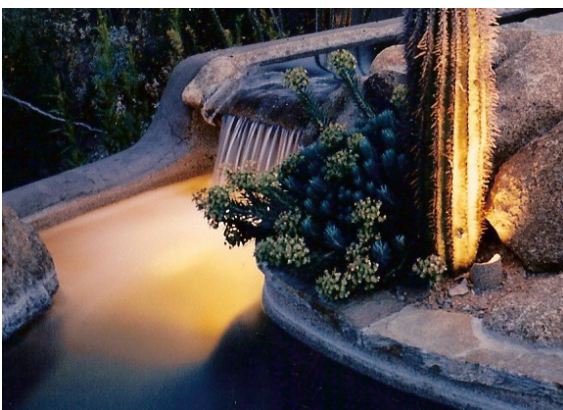


This water feature will likely be a goddess on a lotus & this underside lighting of the flower base is nice



This feeling generated in this design of 'water glowing with light' is lovely...

Water feature - central walkway



Again, this feeling of 'water glowing with light' where the level changes is lovely...



This type of warm yellow 'sunset' light color is our preferred color for the water feature lighting scheme

Amphitheater seating



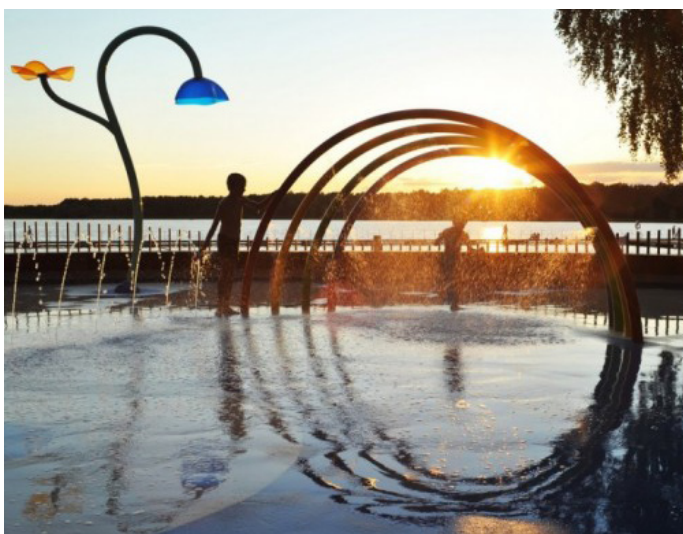
Discrete use of LED ground step lights so that people can see their way to seating at night

Amphitheater stage



Please include a few low energy use flood lights aimed at the stage, which can be placed up high hidden in the trees that will be added to the theater's seating area as shown in the image above on the right

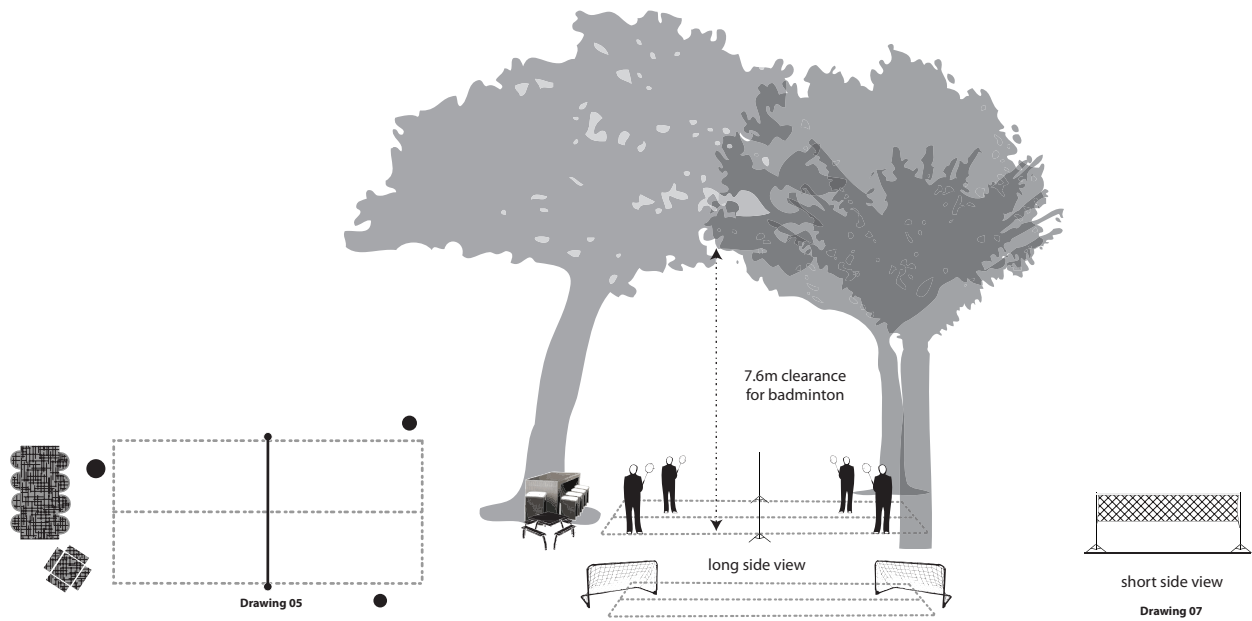
Playground



The playground should include a few whimsical light fixtures that add character to the area while providing safety lights for evening play. They can be developed in consultation with the playground designer Emilie



Sports field



The sports field should have a couple of low energy flood lights to facilitate nighttime badminton / picnics

Pool deck & pool shower



Deck area lighting mood by the pool side bale



Deck lighting should be low lying to not affect the sky view

Pool



We very much like the feel of this 'natural' pool lighting

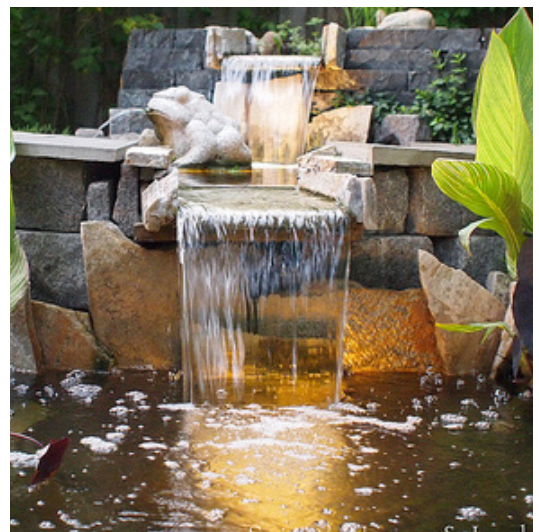
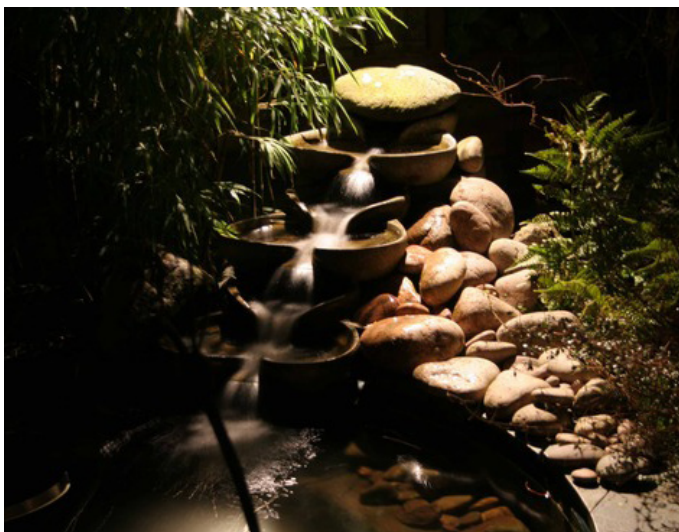
Exterior areas (shown on Plan B)

Common garden areas



Lighting of the garden areas should have a 'whimsical / playful' feeling

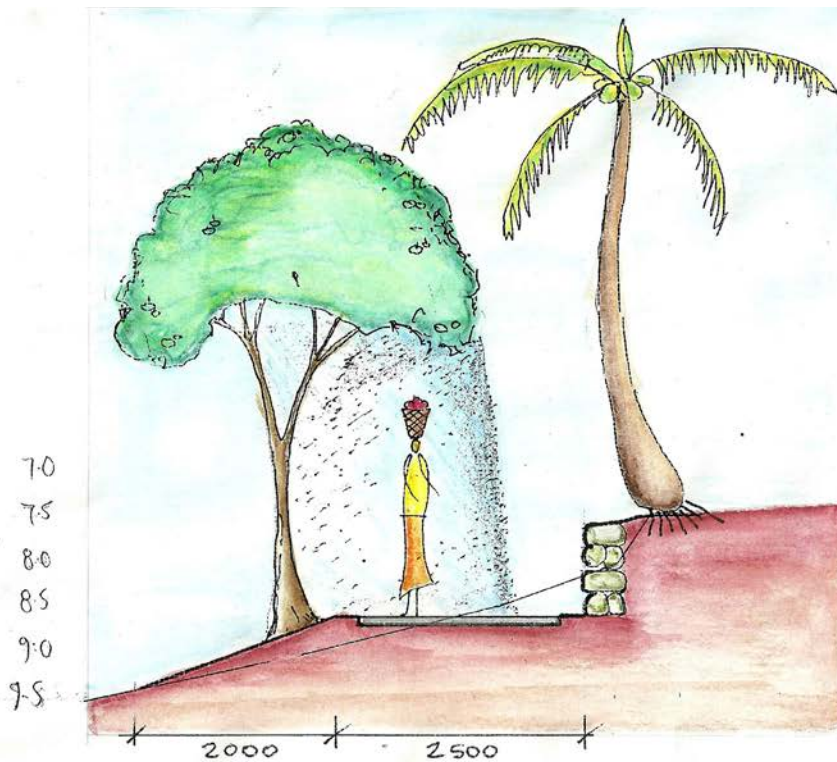
Common wetland garden areas



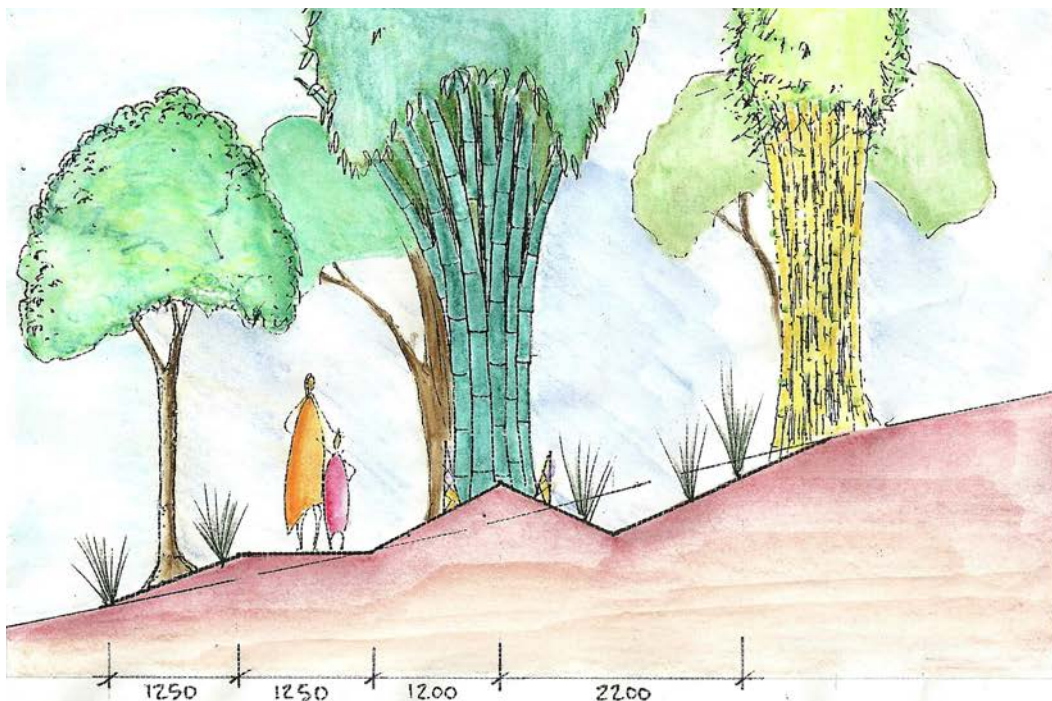
The wetland should include some lights at key locations, particularly where water drops at weirs





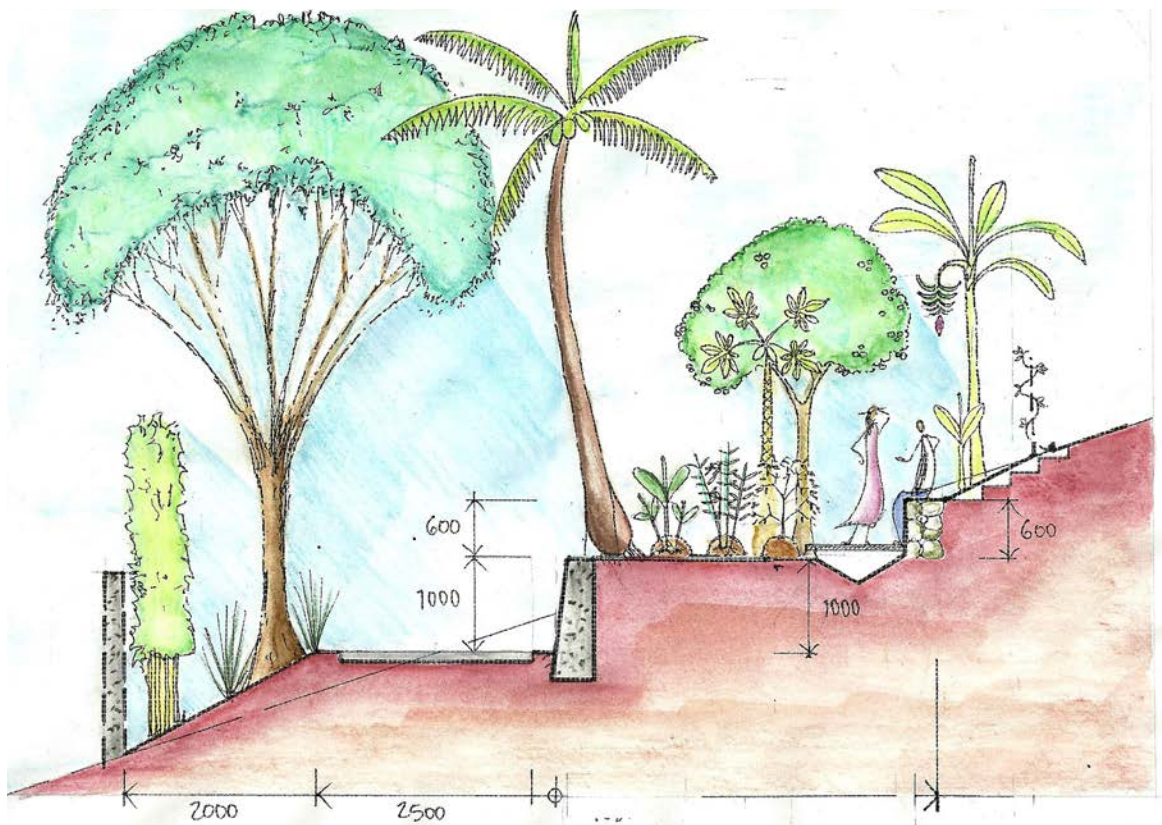
A few examples of the common gardens planting section views



A-A  **LOT 2 COMMON PATH**
PERMACULTURE SOLUTIONS  1:50



K-K  **LOT 8-16 SWALE AND MOUND**
PERMACULTURE SOLUTIONS  1:50



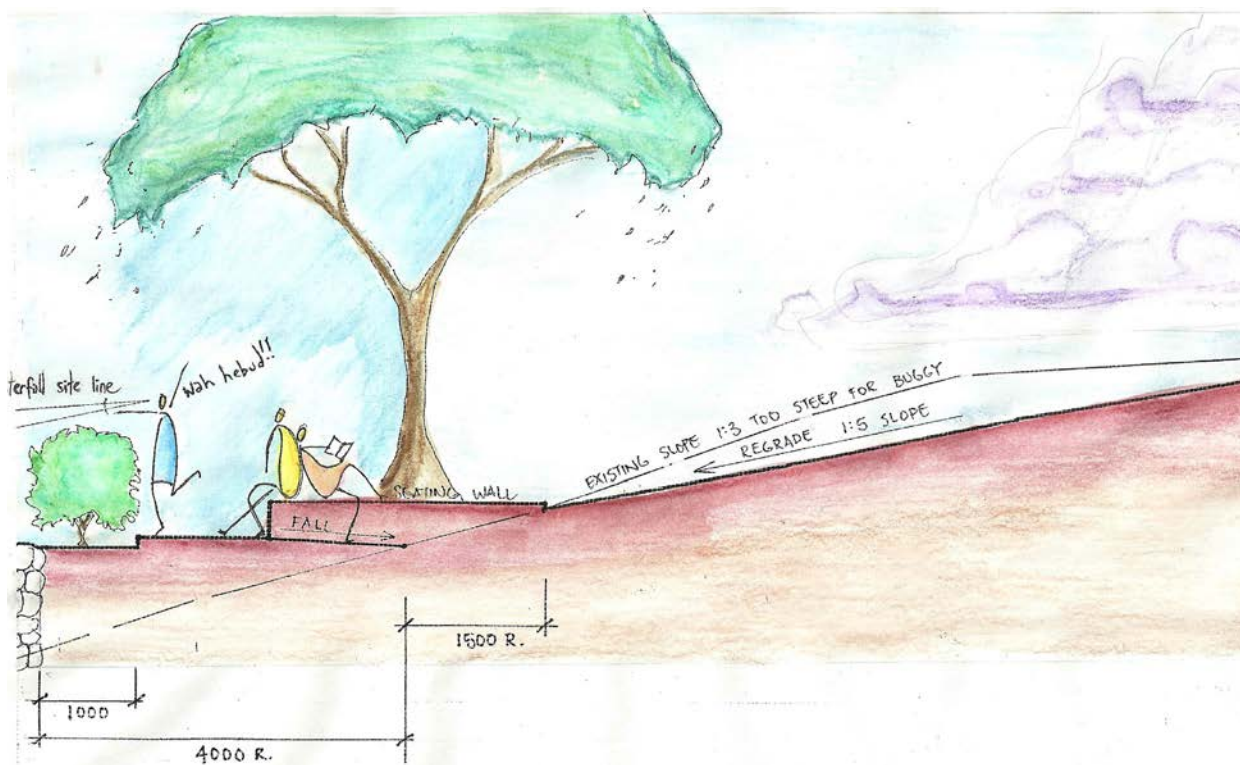
J - J



LOT 7-15 COMMON PATH

PERMACULTURE
SOLUTIONS

1:50



I - I



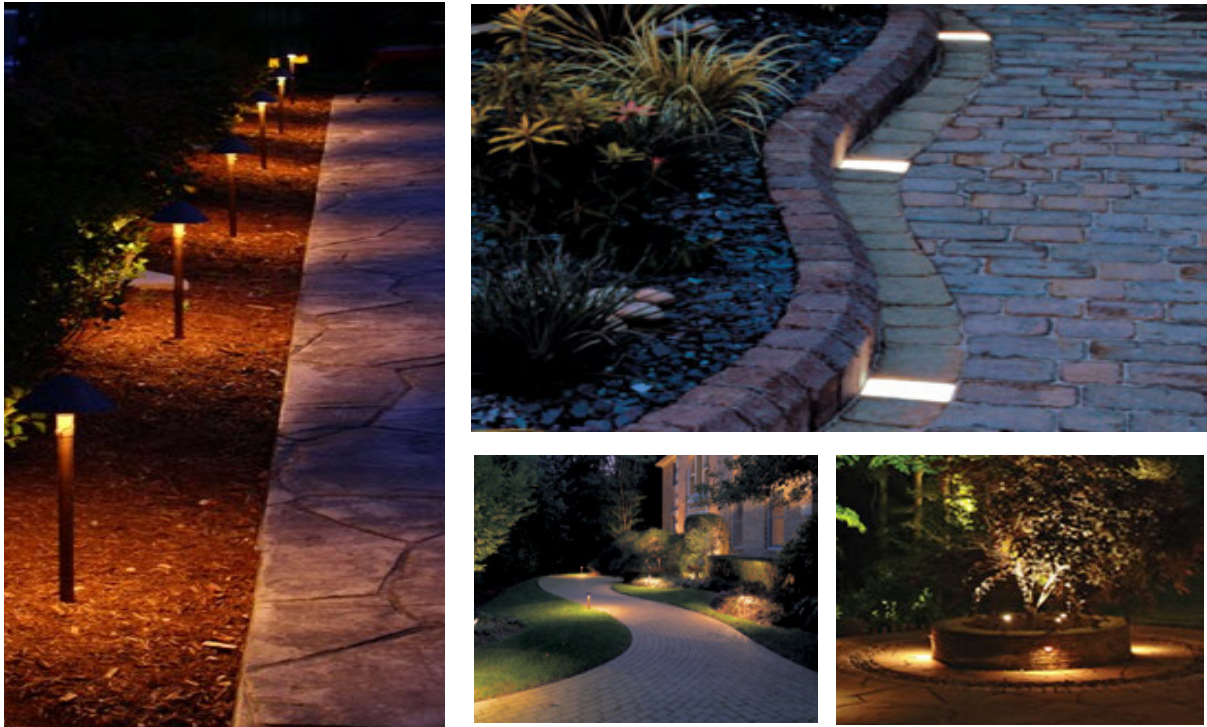
COMMON PATH BUGGY CIRCLE

PERMACULTURE
SOLUTIONS

1:50



Driveway (road & to farm) & Parking



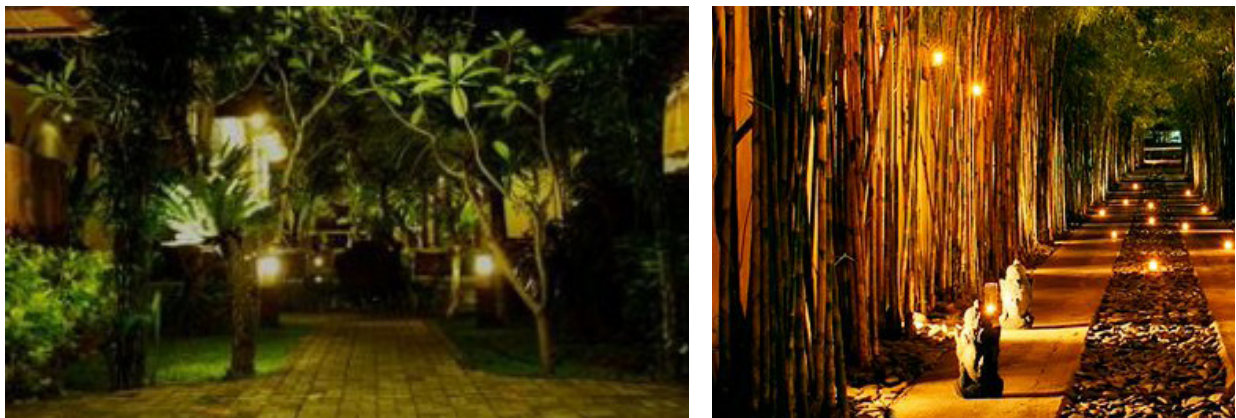
Again looking for a 'whimsical' feeling for this area • the roundabout lighting above may be nice at front area

Pathway down to the river



The pathway to the river is pretty treacherous & good light would be great. In this area especially we would like the light fixtures to 'be hidden' into natural elements like rocks & use solar power when possible

Pathways (pedestrian, bicycle, buggy)



The pathways to the homes should have a 'Bali Garden' feel

Pathway roundabouts



The pathway roundabouts are to be specially landscaped ‘feature areas of interest’
They also need to be well lit as they are used for buggy turn-around at nighttime in steep areas

Entry & path steps (check locations)



All areas with steps should be well lit to avoid accidents / tripping

Singage



The neighborhood’s signage should use eye catching up-lighting



Exterior other

X Exterior fixtures



Examples of some exterior lighting fixture accents that we really like



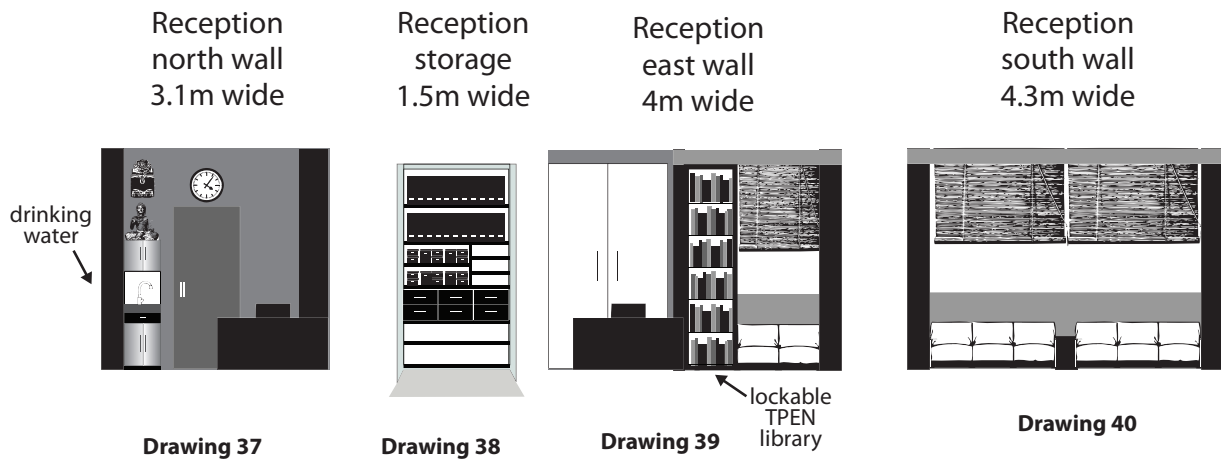
Examples of some exterior lighting fixture accents that we really like



Style Samples - Group 2 - Semi Exterior areas for lighting design



Semi Exterior (shown on Plan A)



Semi open air reception area



A 'mixed light source' mood in the reception area

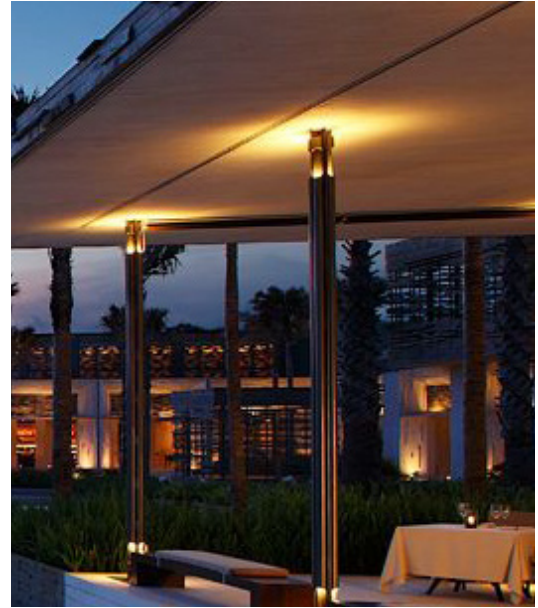


Back lit shelving for the neighborhood library unit



Reception should include a few simple (low cost) hanging lamp features made from recycled materials

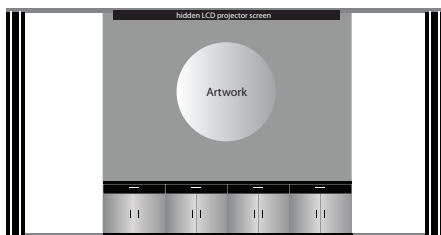
Bale for security & bale for drivers



Lighting in the security & drivers' bale is basic and functional but adds flair to the entrance area

Wantilan

Wantilan
north wall interior
5.8m wide



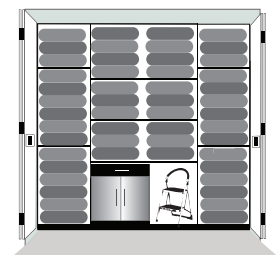
Drawing 53

Wantilan
north wall exterior
5.8m wide



Drawing 54

Wantilan
north wall exterior
storage interior



Drawing 55



Wantilan up-lights & simple artistic chandelier



The wantilan north wall will have a lit artwork area



Covered walkways



The covered walkways should include a mix of recessed lighting & old Java style hanging lamps

Café Terrace



The cafe terrace area should have a combination of a 'festive' and 'cozy' moods

Exterior sinks x 5



These exterior sinks should be well lit at night with either recessed or over-mirror lighting

Bale at pool-side deck

Poolside Bale
bar side exterior
2.4m wide



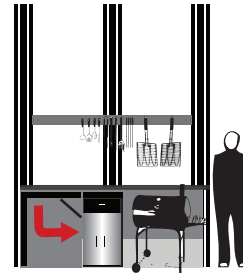
Drawing 02

Poolside Bale
interior & kitchenette
2.4m wide x 2



Drawing 03

Poolside Bale
BBG grill area
2.4m wide



Drawing 04

BBQ food prep
counter folds down
when not in use



This bale will be preparing drinks & basic food for pool side and needs good counter as well as ambient lighting

Bale river view (just beyond the pool)



This 'gathering place / chill out' bale was designed based on the above and should use the same lighting style



Semi Exterior (shown on Plan B)

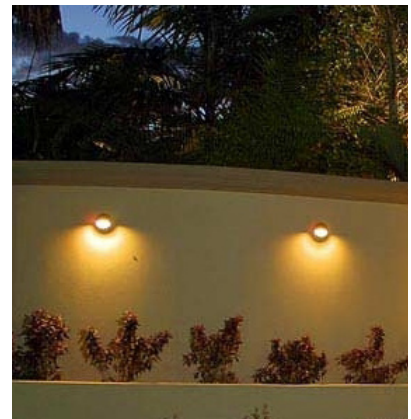
Bale for meditation at the river



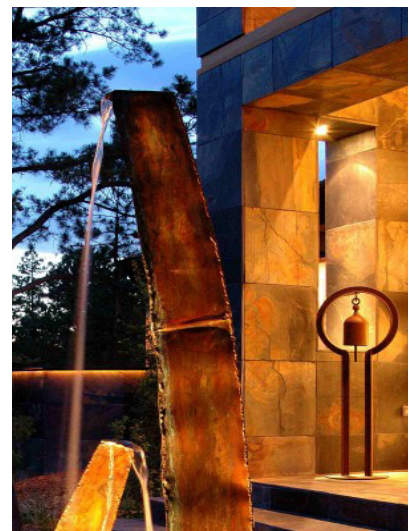
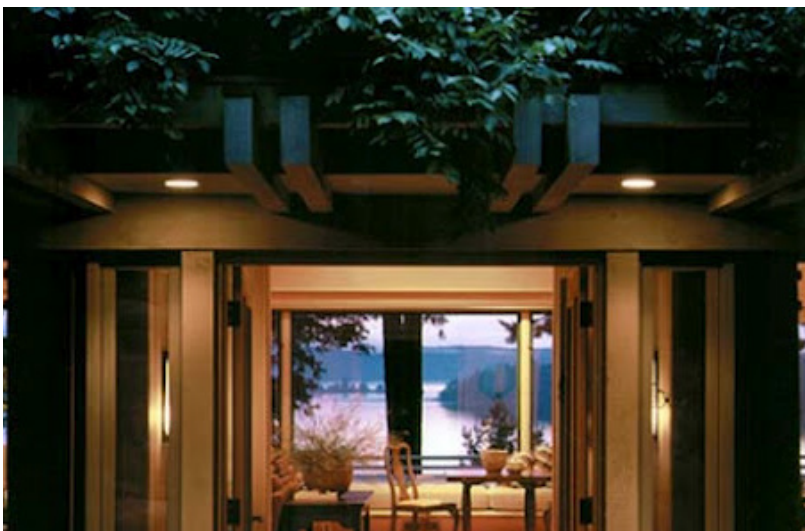
This very simple / minimalist bale is for people who want to meditate quietly by the river

Semi Exterior other

X Exterior doors & walls



Some examples of exterior wall lighting that we like (for pathways with retaining walls or facilities areas)



Some examples of exterior / entrance door lighting that we like

Style Samples - Group 3 - Interior areas for lighting design



Interior (shown on Plan A)

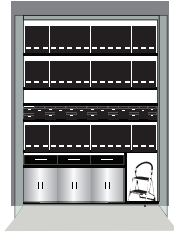
Administration / office rooms

Admin room
north wall
3m wide



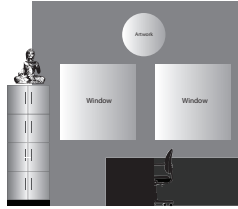
Drawing 41

Admin room
storage
2.2m wide



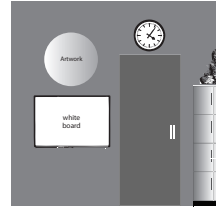
Drawing 42

Admin room
west wall
3m wide



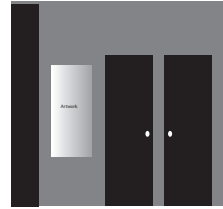
Drawing 43

Admin room
south wall
3m wide



Drawing 44

Admin room
east wall
3m wide



Drawing 45



- SECURED ITEMS:
- server computer
 - old monitor
 - main modem???
 - ethernet switches
 - staff laptops
 - safe
 - other?
 - dehumidifier

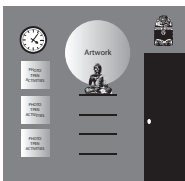
Note: Can this room be fire proof?

Drawing 46

The administration rooms should be well lit with recessed lighting as well as table lamps & wall storage lights

Meeting room

Meeting room
north wall
3m wide



Drawing 47

Meeting storage
west wall
65cm wide



Drawing 48

Meeting room
west wall
2.75m wide



Drawing 49

Meeting room
south wall
4.3m wide



Drawing 50

Meeting room
east wall
3m wide

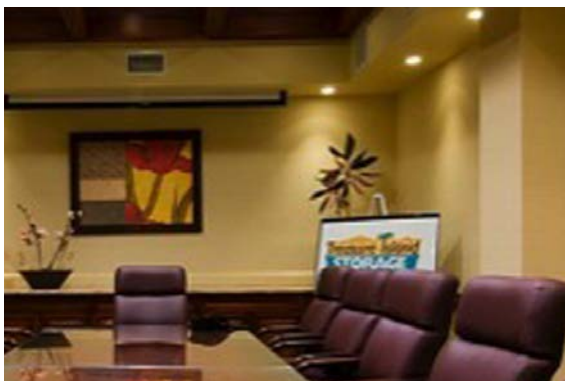


Drawing 51

Meeting room
east storage
1.5m wide



Drawing 52

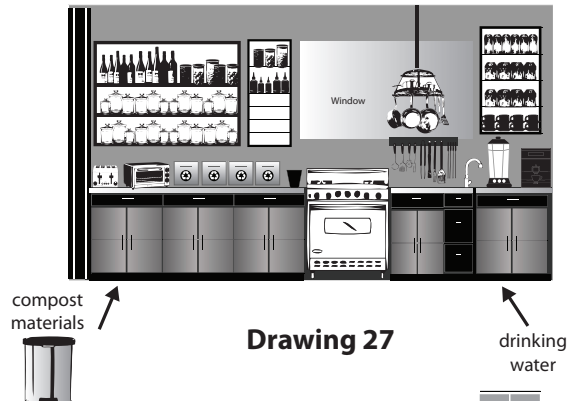


The meeting room should include recessed lighting as well as desk lighting for manager work area/desk & storage

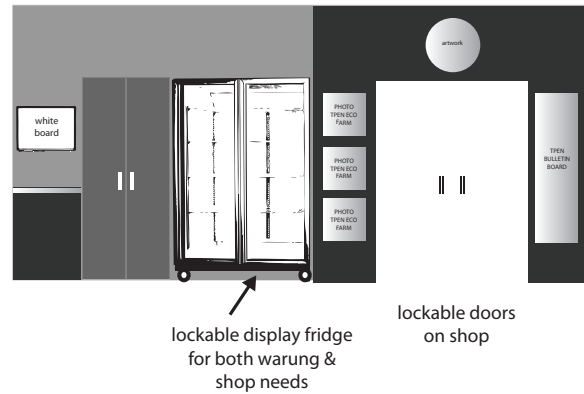


Cafe (Warung) Food Prep / kitchen area

Warung
east wall interior
5.3m wide



Warung
south wall interior
6.3m wide



The Cafe (Warung's) food prep area should have 'clean' strong lighting to keep area clean and avoid accidents

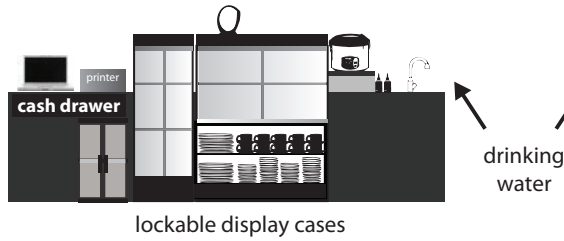


The food prep counter along the back wall should have an under cabinet lighting system

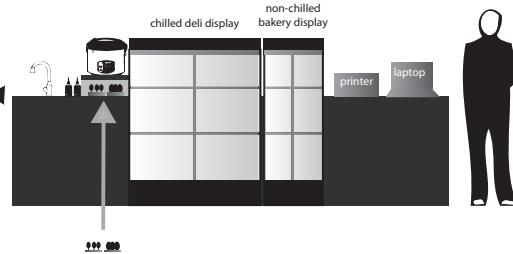


Café service counter & display fridge

Warung
island east side
4m long



Warung
island west side
4m long



The retail service and self service counter in the cafe will have display cases & may look something like this...



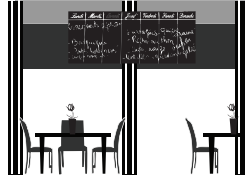
A combination of recessed lighting and dropped lamps over the counter area would be great

Cafe indoor eating area

Warung
north wall exterior
6.3m wide

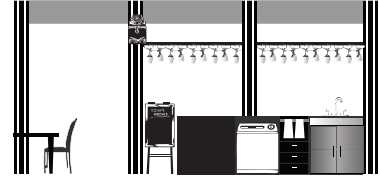


Warung
west wall interior
5.3m wide



Drawing 25

Warung
north wall interior
6.3m wide



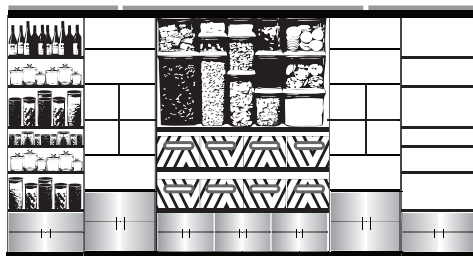
Drawing 26



The Cafe's indoor eating area is very small, good lighting to make the room seem bigger would be wonderful

Cafe Shop

Shop
interior
1.3m / 2.85m / 1.3m

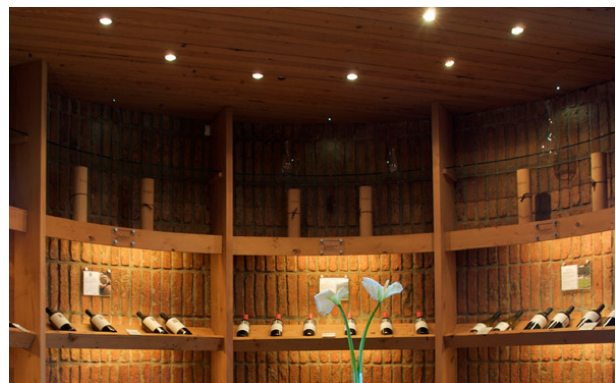


coffee, tea, bottled
goods and herbal
dry mixes, spices,
wine, sauces,
sambal

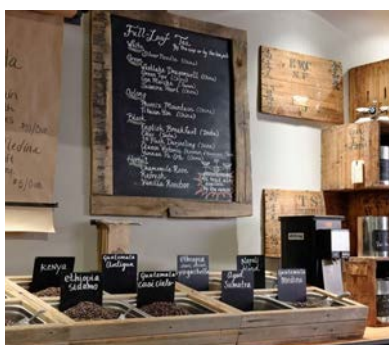
bulk grains, dry
herbs pasta, and
spices, roots,
onions etc.

toiletries, soap
& cleaning
supplies, WC
tissue etc.

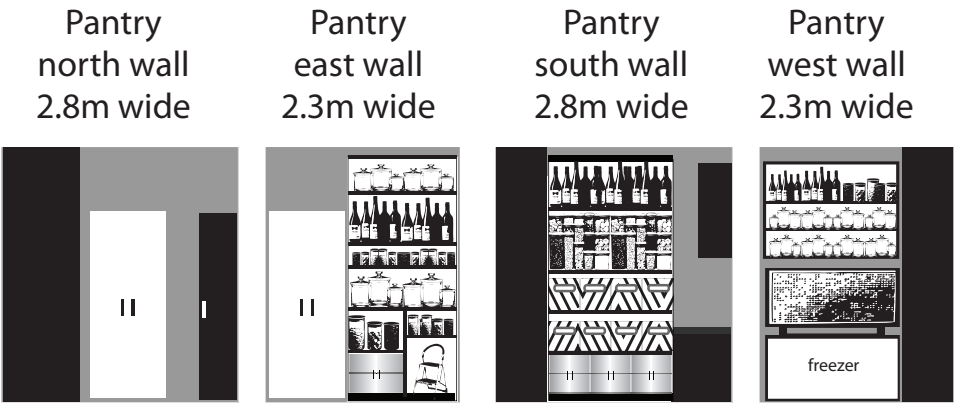
Drawing 31



The mini-shop in the Cafe area will need good display lighting planning & design

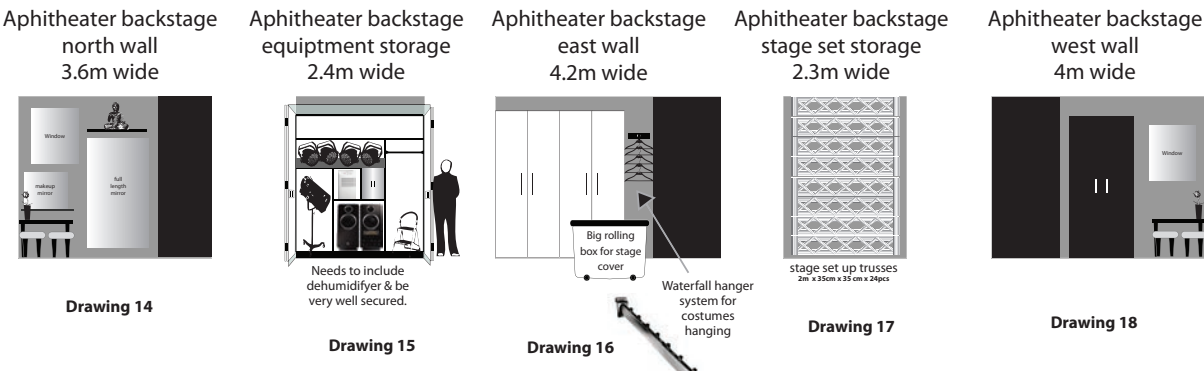


Cafe Storage / pantry



Pantries and storage areas should have good, even full wall lighting for ease of access to stored materials

Backstage changing / storage room



The theater changing room will include a large full length mirror and makeup table for performers

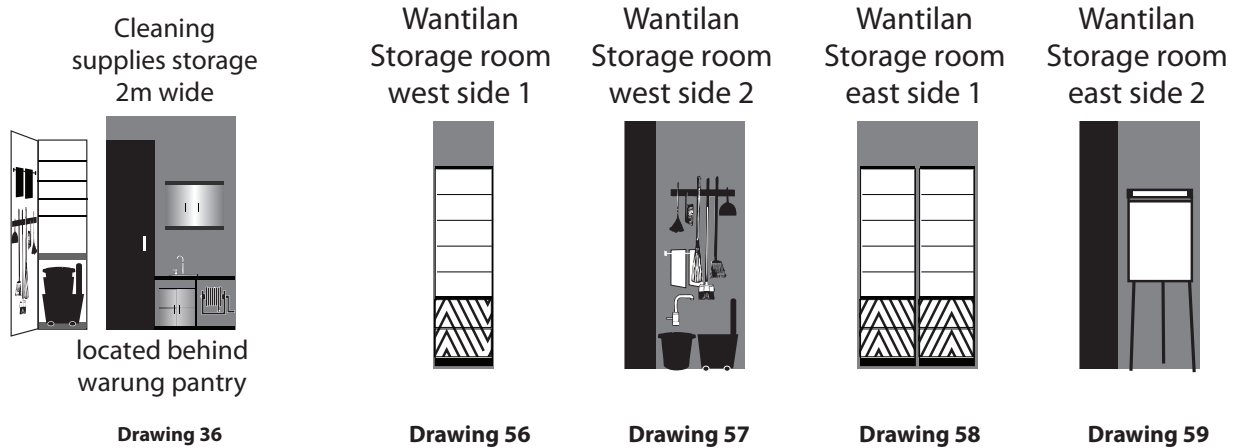


Toilets - 8 units in 4 area



Toilet stalls and urinals look great with these kinds of spot recessed lights and a few hanging lamps

Storage, engineering, waste collection



Maintenance rooms and storage areas should have good, even full wall lighting so they can be kept clean ;)

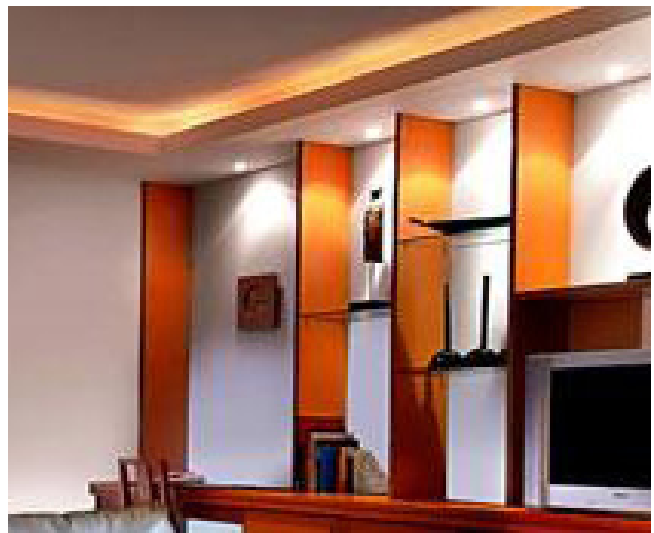
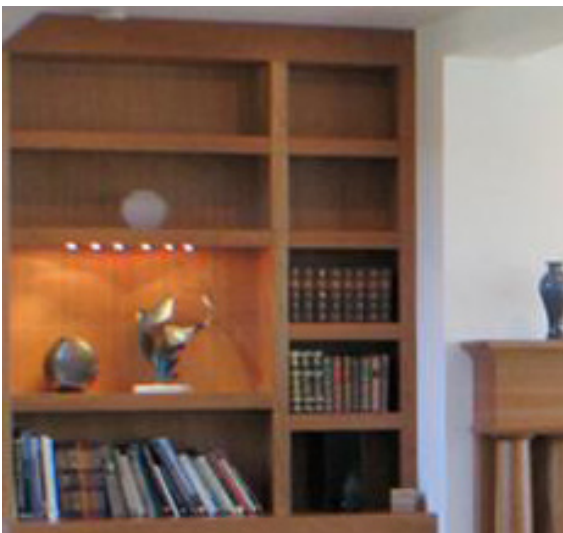


Interior Other

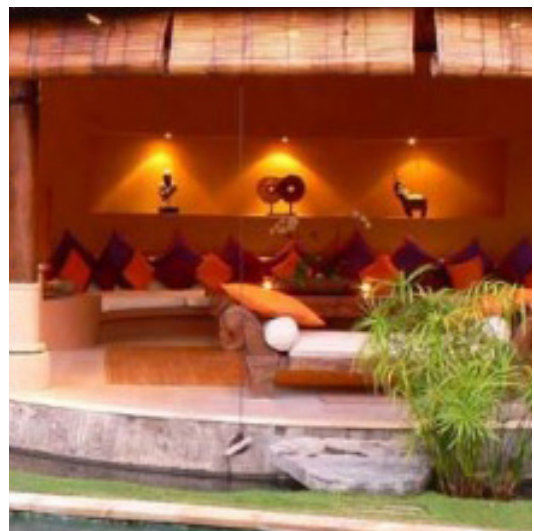
Artwork lighting, light as art and a few final random thoughts...



Some examples of wall / artwork accent lighting that we like



Interesting shelving lighting themes to add interest to the space



This kind of directional lighting is very nice



We wish to use creative hanging lamps made from recycled materials like newspaper, maps etc like this



An example of a nice spot lighting in gardens • If possible we would like to use solar powered lights on the road



Great idea for use of natural lighting is of course very much appreciated! Like Sola Tube Skylights

