



LAO PEOPLE'S DEMOCRATIC REPUBLIC
MINISTRY OF INFORMATION, CULTURE AND TOURISM

**2nd GMS TOURISM INFRASTRUCTURE FOR
INCLUSIVE GROWTH PROJECT**
SUBPROJECT V2: KAENG YUI WATERFALL ACCESS IMPROVEMENTS

SUBMITTED BY:



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architects | engineers | consultants

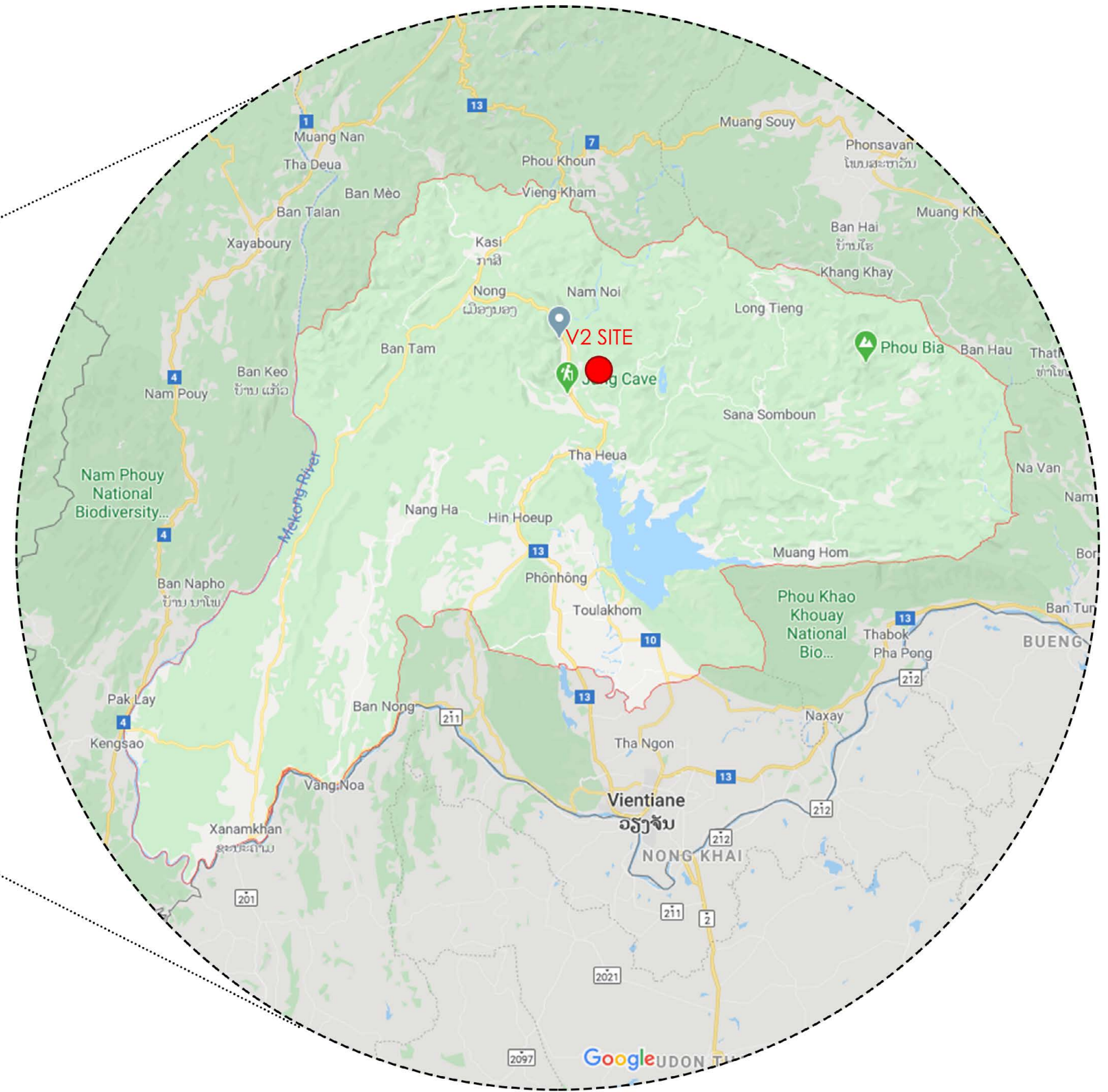
26 MAY 2020

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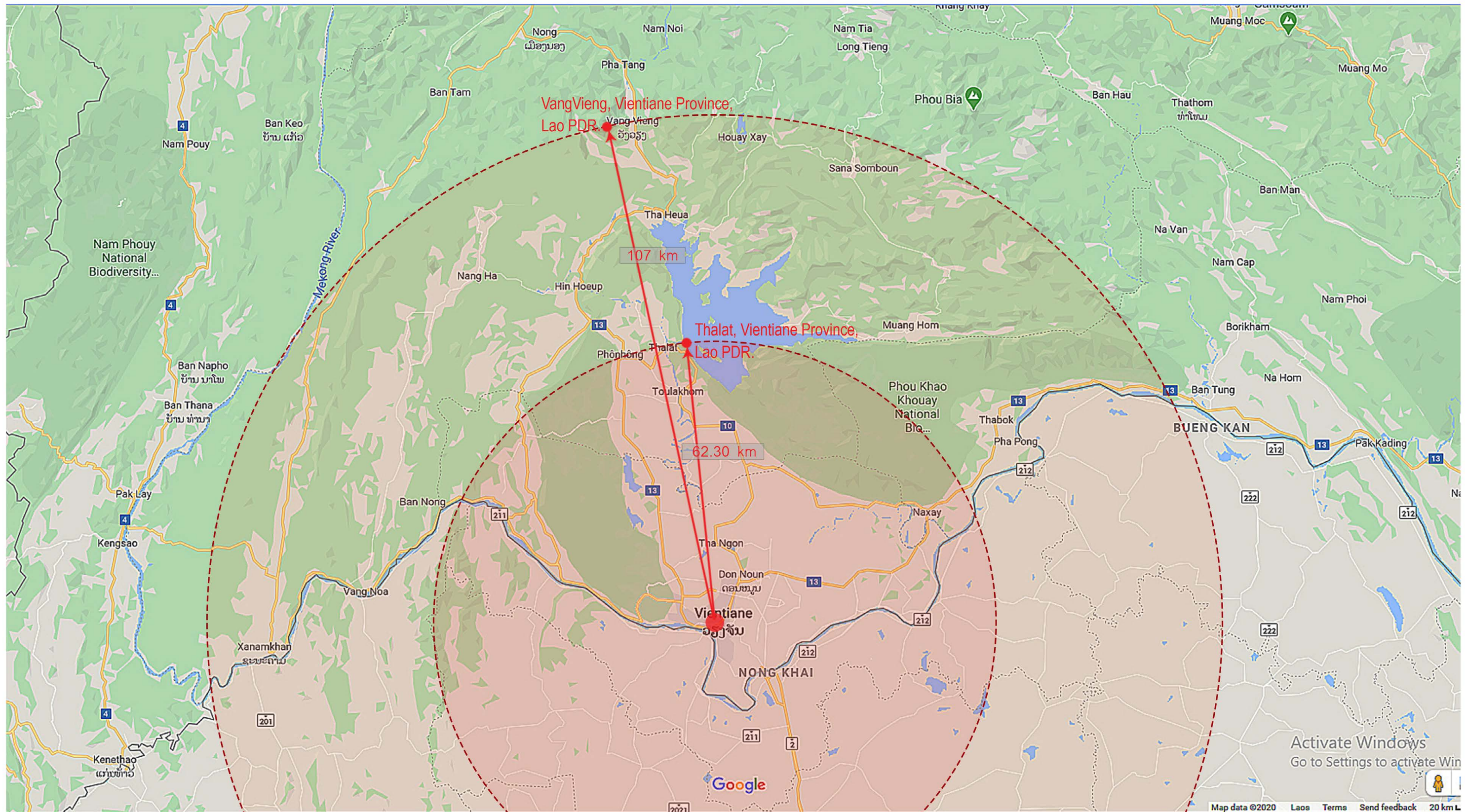
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- 2. SITE SURVEY
 - 2.1 EXISTING MASTERPLAN
 - 2.2 TOPOGRAPHICAL PLAN
 - 2.3 VISUAL INSPECTION
 - 2.4 DEMOLITION PLAN
- 3. MASTERPLAN
 - 3.1 ZONING
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 - 3.3 TRAFFIC AND ACCESS ROAD
 - 3.4 PERSPECTIVES
- 4. LANDSCAPE DESIGN
 - 4.1 MASTERPLAN
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 - HARDSCAPE
 - LIGHTING
 - GARBAGE BIN
 - SECTION A
 - SECTION B
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 - SECTION C
 - DINING PAVILION
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 - PUBLIC TOILET
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 - BRIDGE 1
 - BRIDGE 2
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 - 4.4 ZONE C
 - HARDSCAPE
 - GARBAGE BIN
 - SECTION D
 - VIEWING DECK
 - PERSPECTIVES
- 5. OVERFLOW PARKING

1. PROJECT LOCATION





PROJECT LOCATION:
VANGVIENG DISTRICT, VIENTIANE PROVINCE, LAO PDR
18°57'12.4"N 102°29'34.1"E



PROJECT LOCATION:
VANGVIENG DISTRICT, VIENTIANE PROVINCE, LAO PDR
18°57'12.4"N 102°29'34.1"E



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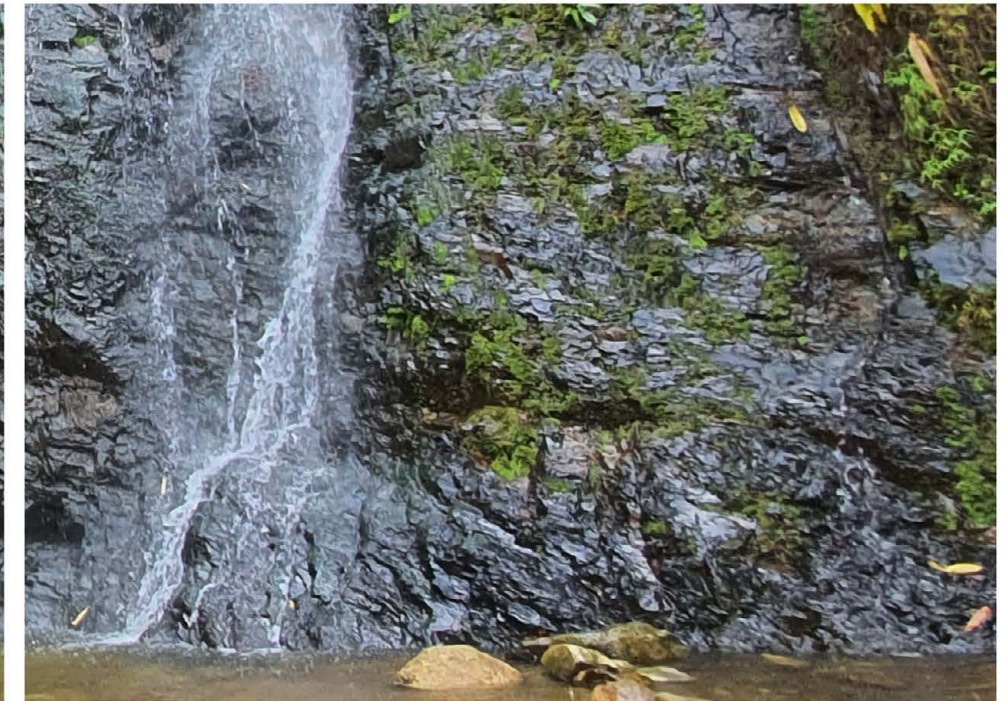


PROJECT LOCATION:
VANGVIENG DISTRICT, VIENTIANE PROVINCE, LAO PDR
18°57'12.4"N 102°29'34.1"E

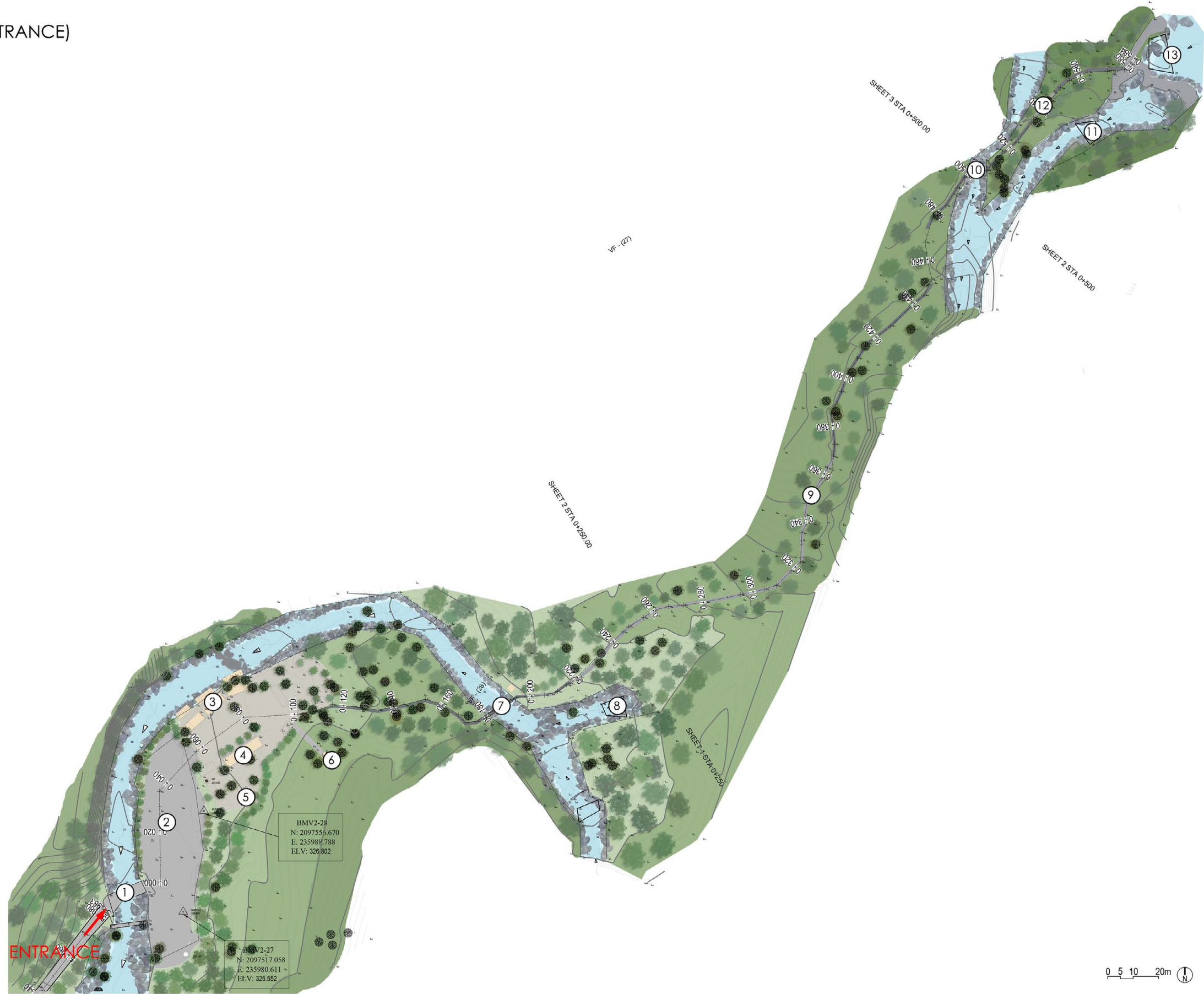


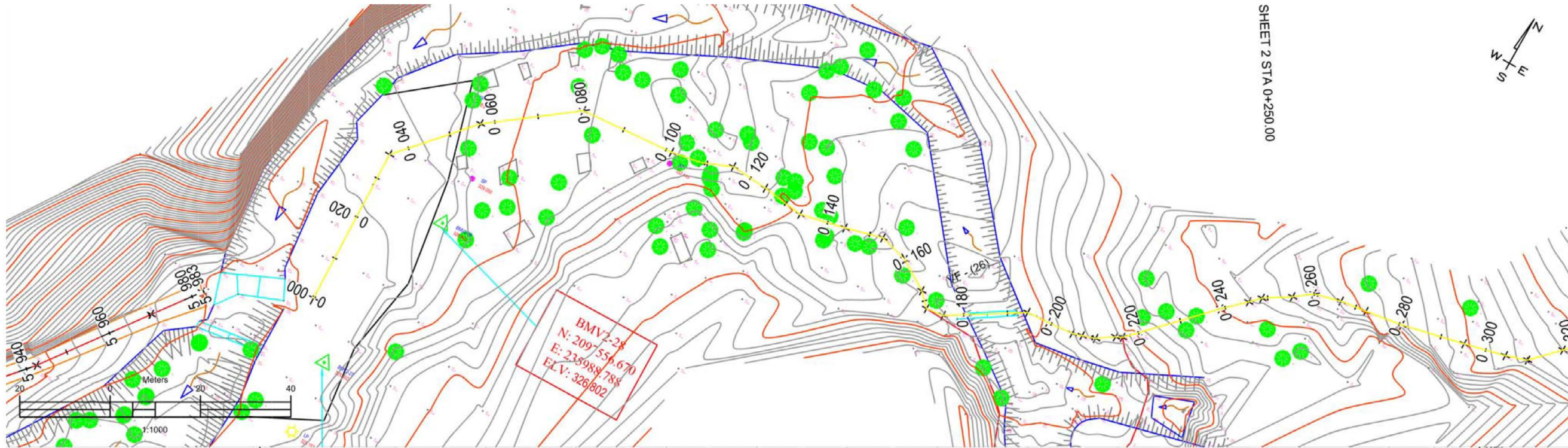
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2. SITE SURVEY



- ① SUBMERGE BRIDGE (ENTRANCE)
- ② PARKING
- ③ DINING PAVILION
- ④ KITCHEN
- ⑤ TOILET
- ⑥ BUDDHA STATUE
- ⑦ BRIDGE 1
- ⑧ WATERFALL 1
- ⑨ FOREST WALKWAY
- ⑩ BRIDGE 2
- ⑪ WATERFALL 2
- ⑫ STAIR
- ⑬ WATERFALL 3



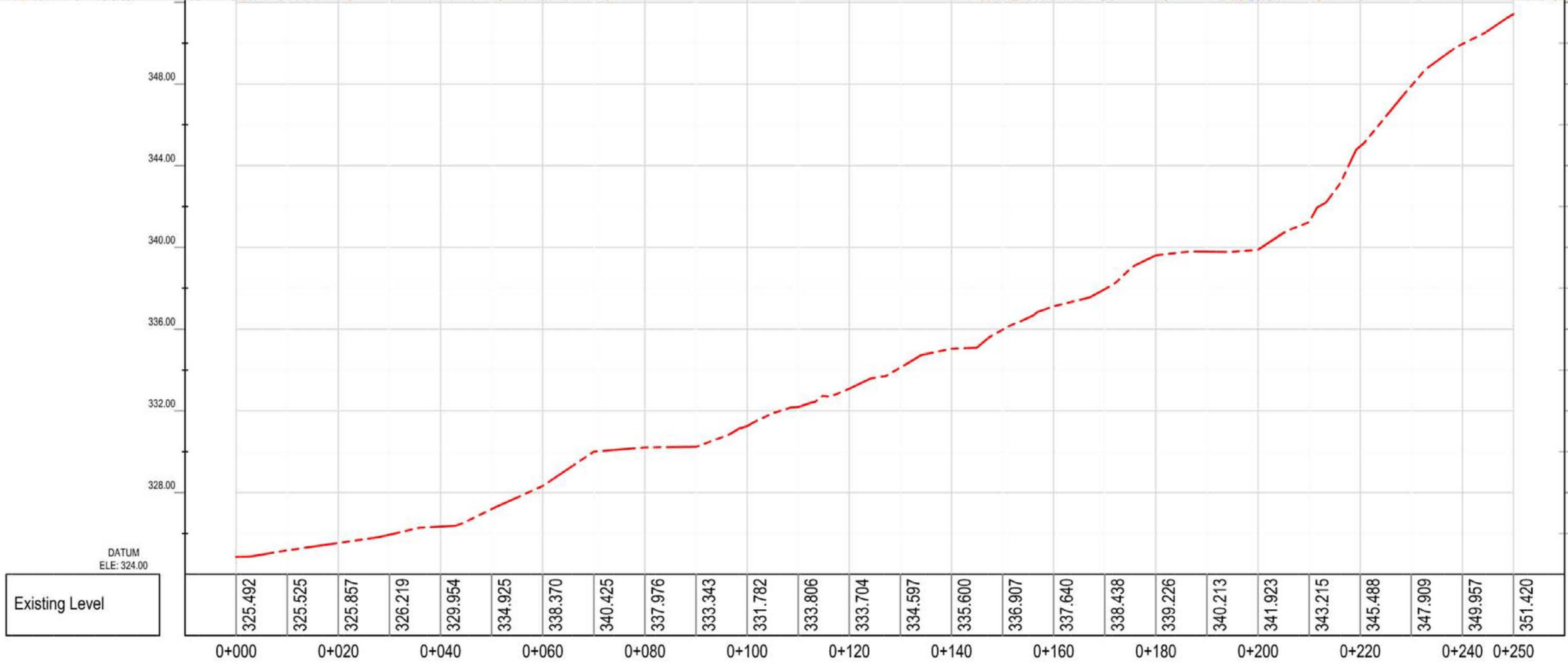


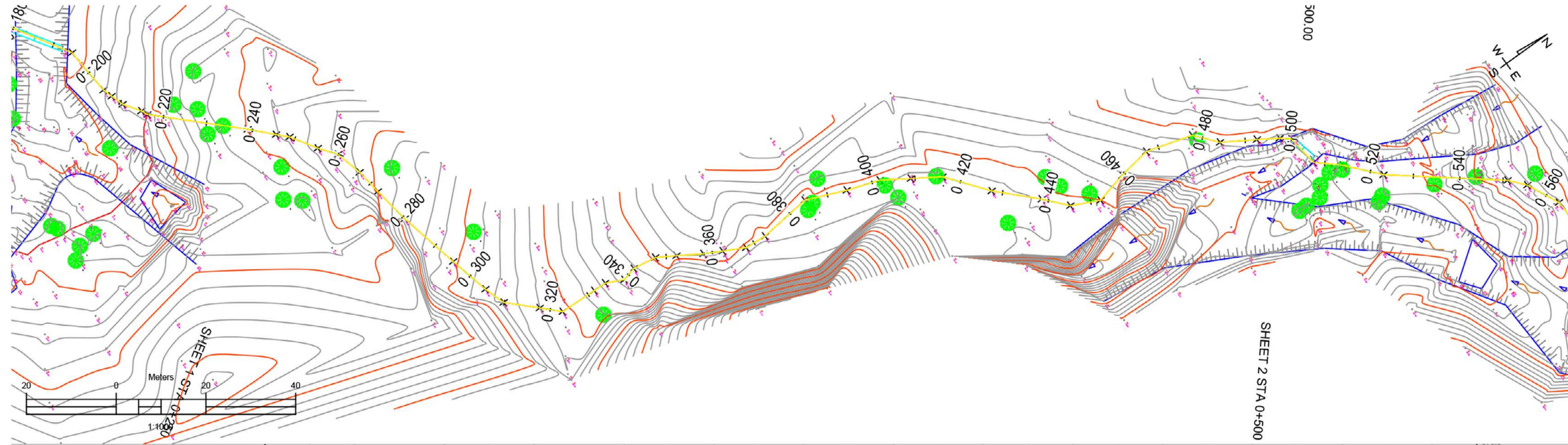
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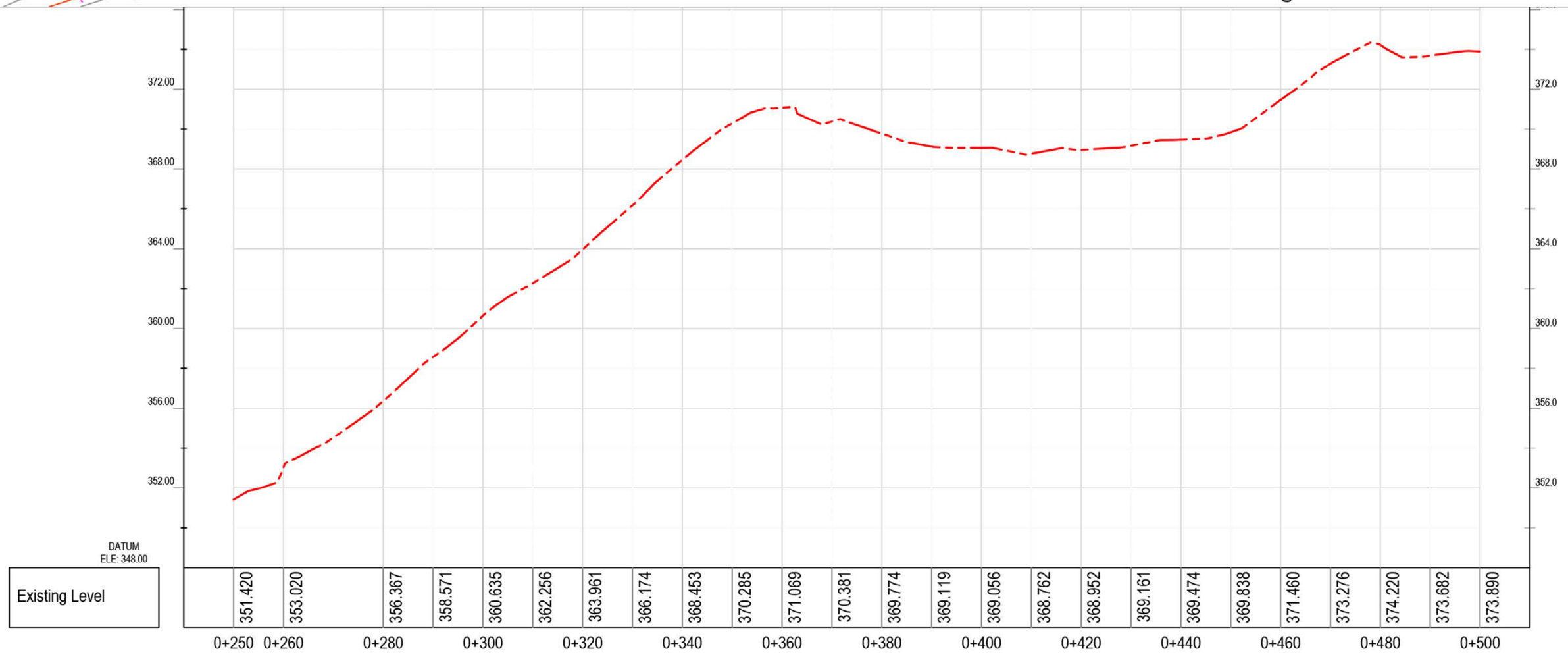
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- BM
- EC
- LP
- CL
- CW_R,L
- DTL
- STF
- WF
- W
- SH_L,R
- PC
- BX
- BR_L,R
- TR
- BD
- ATM
- SP
- FP
- RW
- PA
- MH
- TSM
- BH





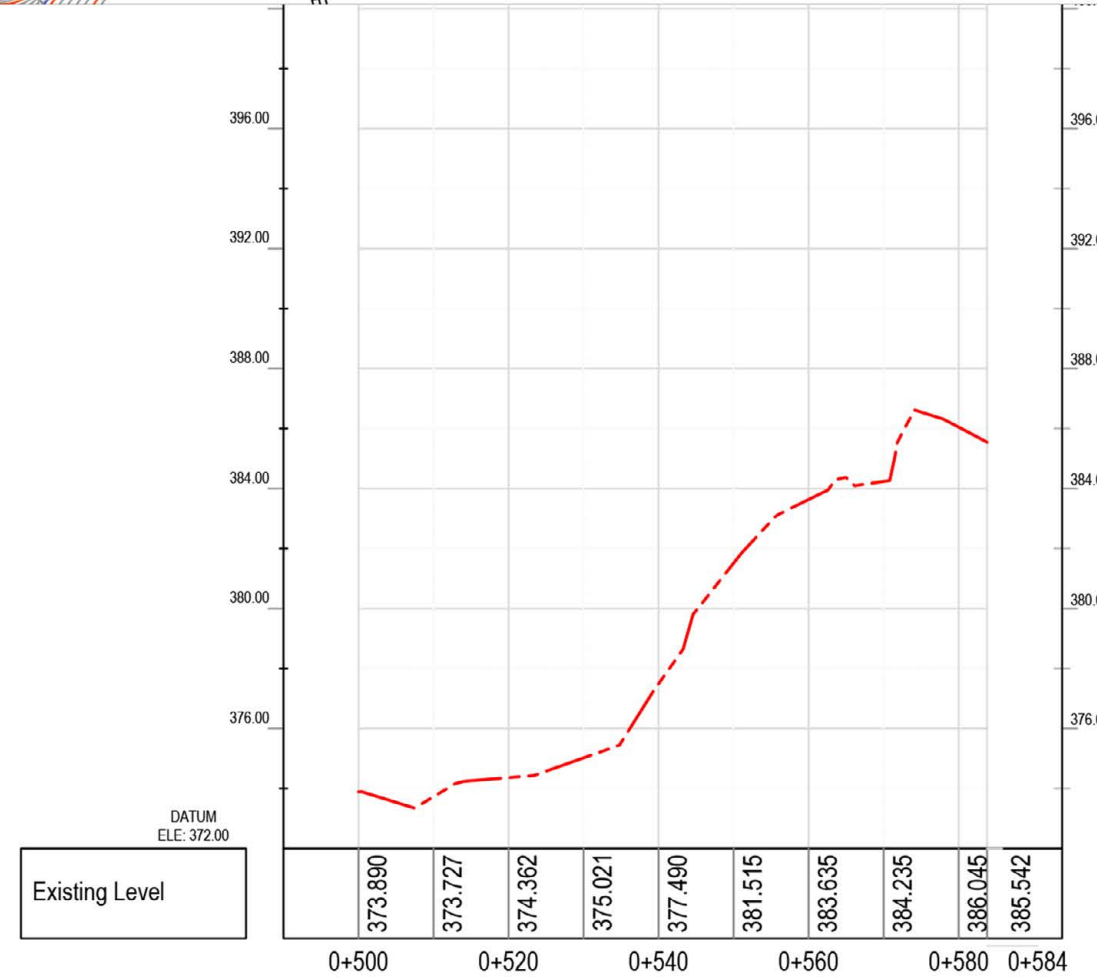
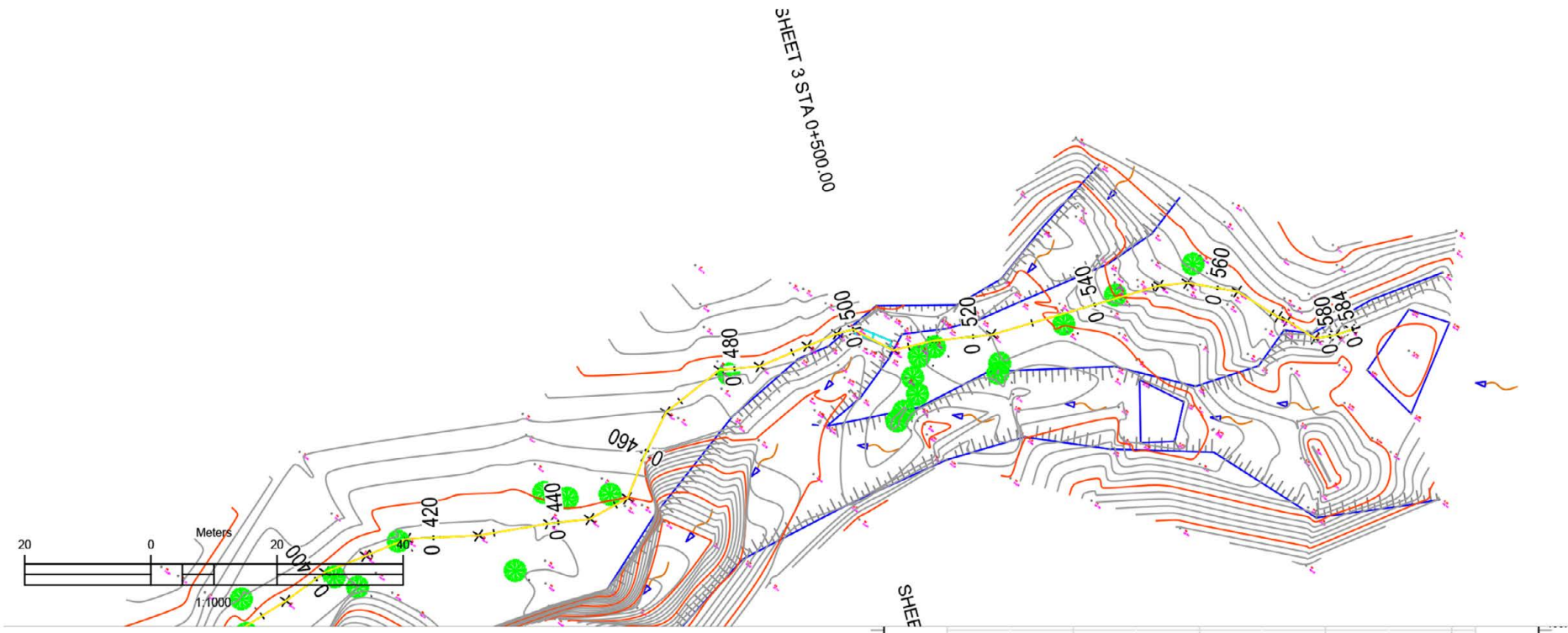
LEGEND

- MCP
- BM
- EC
- LP
- CL
- CW_R,L
- DTL
- STF
- WF
- W
- SH_L,R
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- BR_L,R
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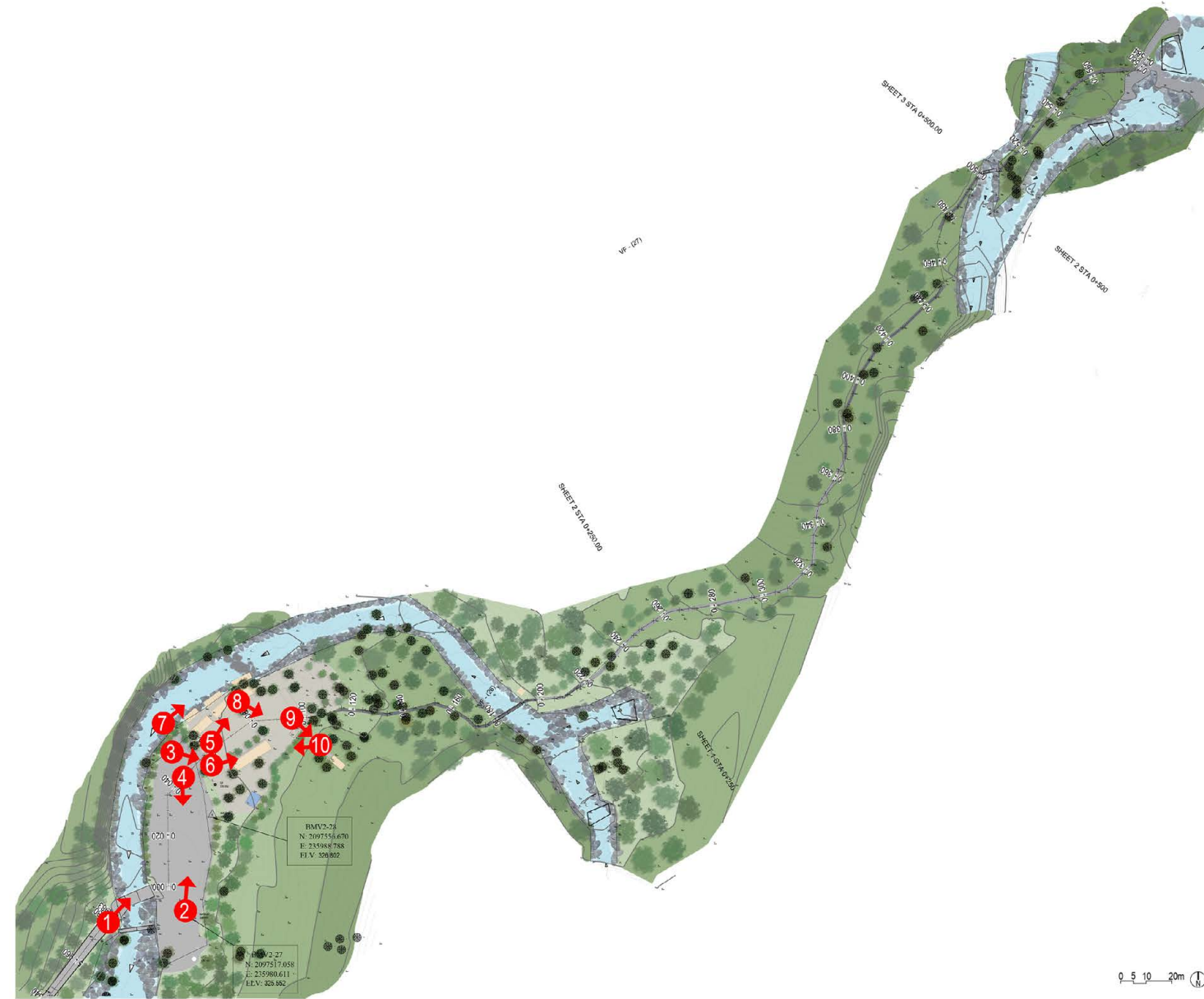
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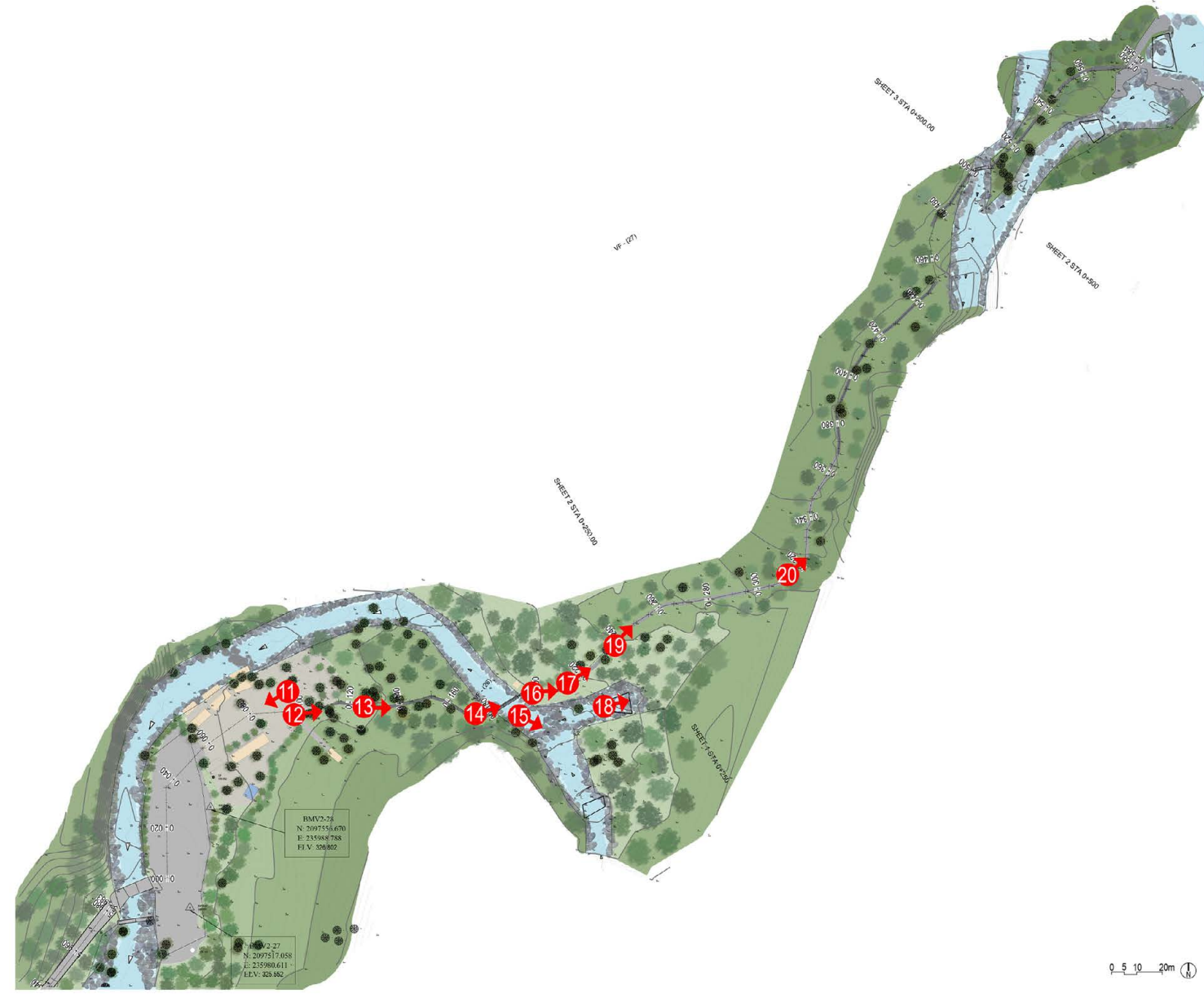
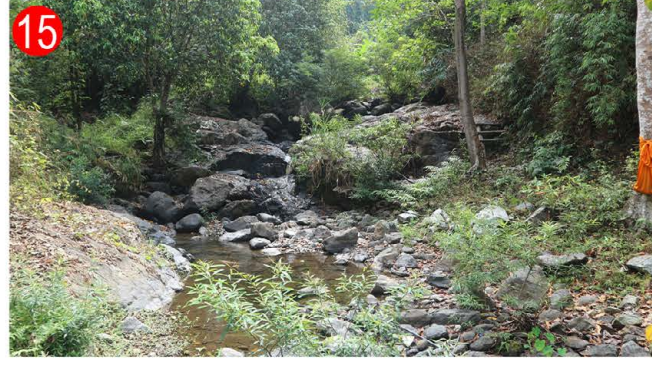
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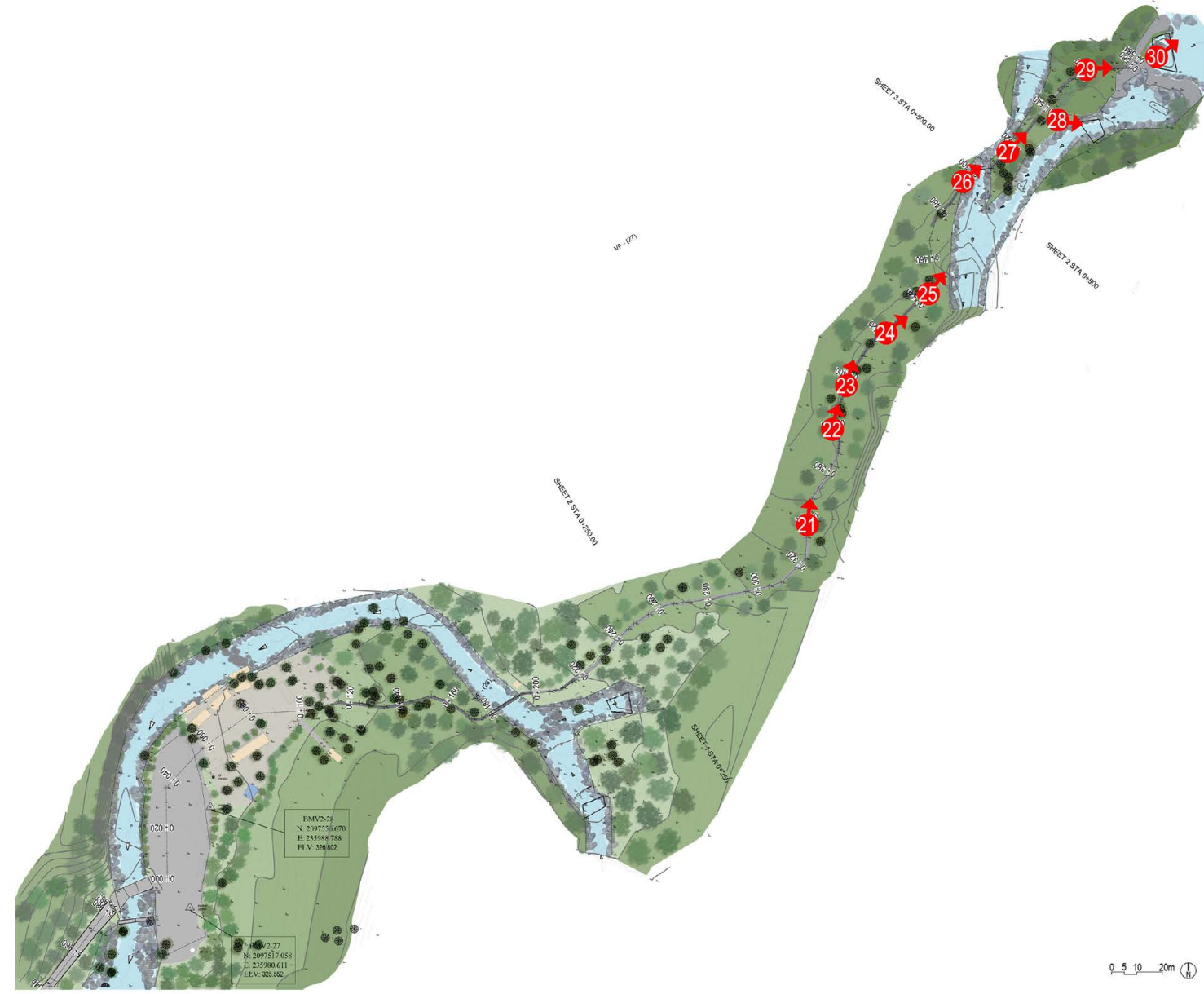


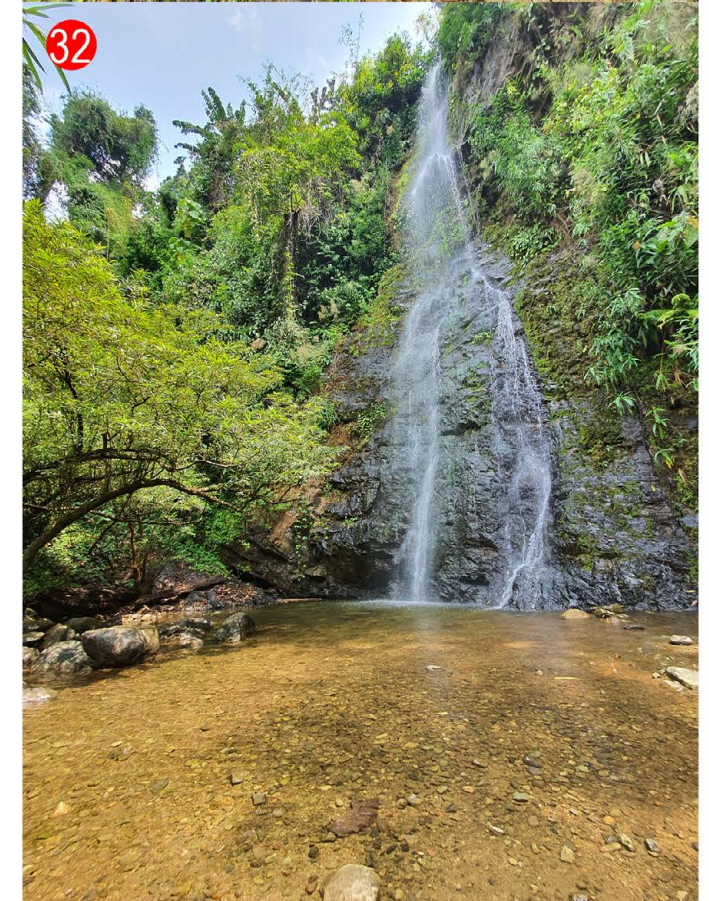
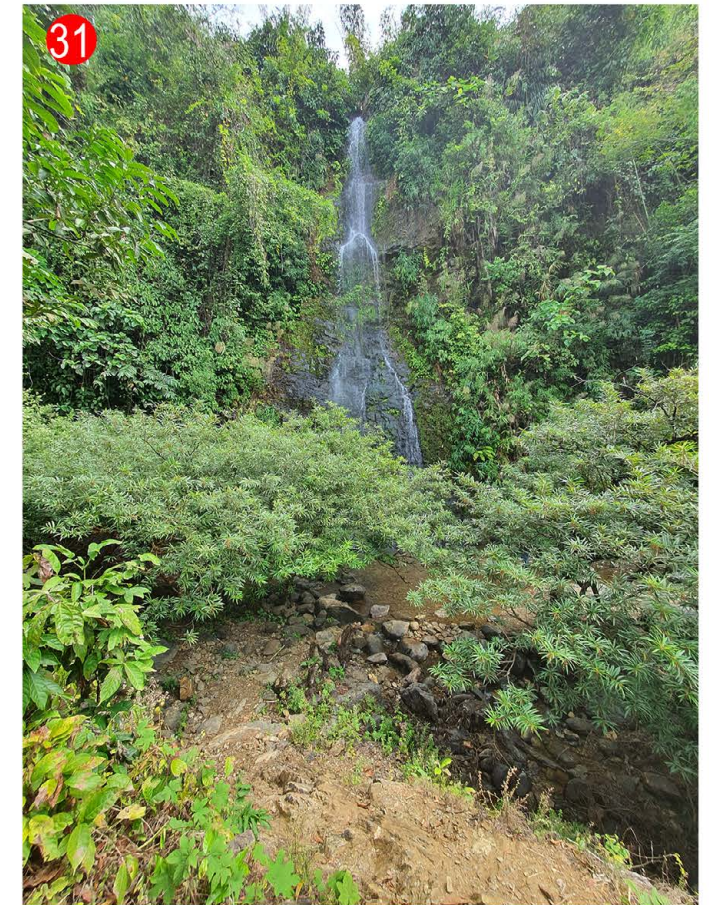
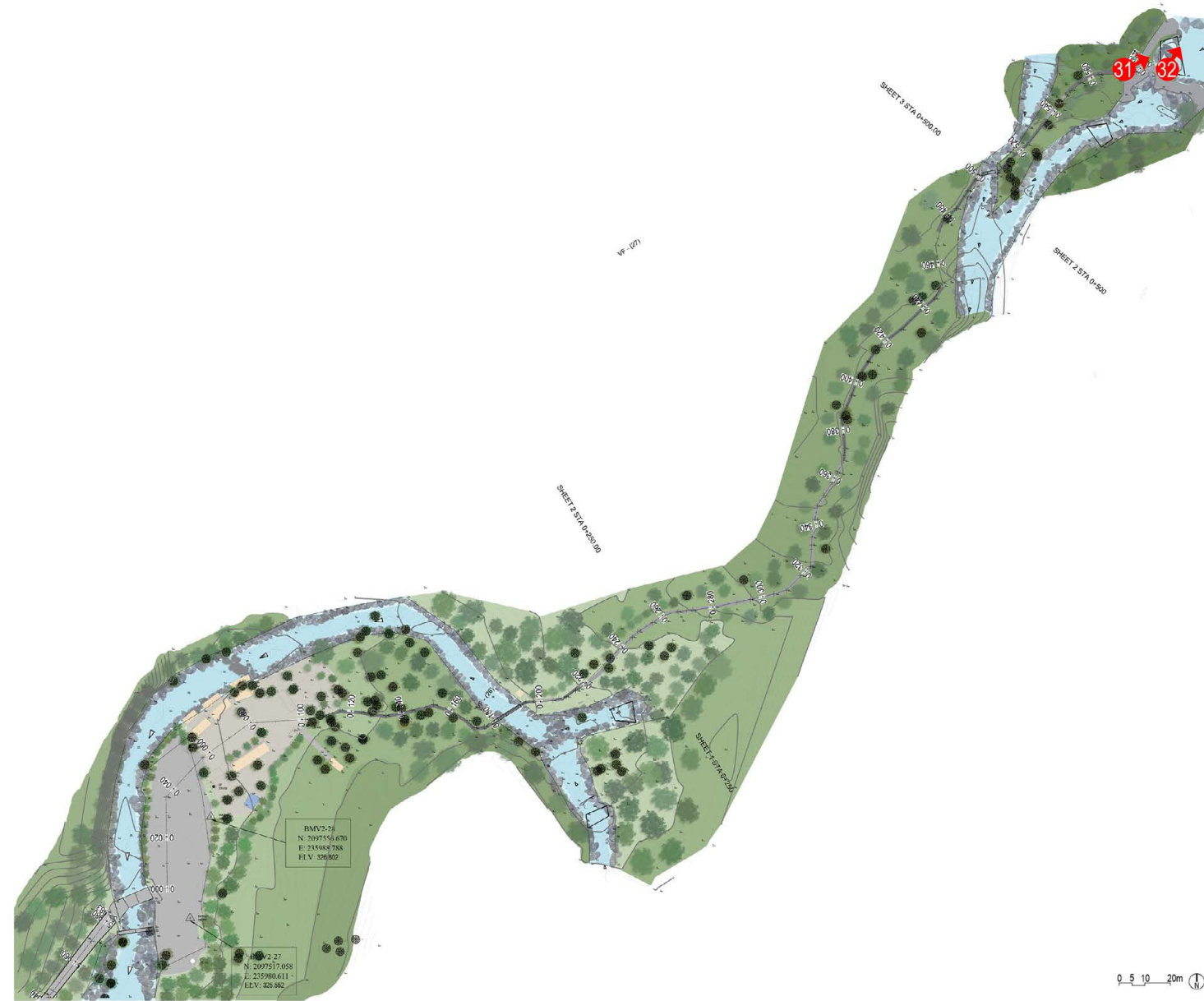
LEGEND

- MCP
- BM
- EC
- LP
- CL
- CW_RL
- DTL
- STF
- WF
- W
- SH_L_R
- PC
- BX
- BR_L_R
- TR
- BD
- ATM
- SP
- FP
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- PA
- MH
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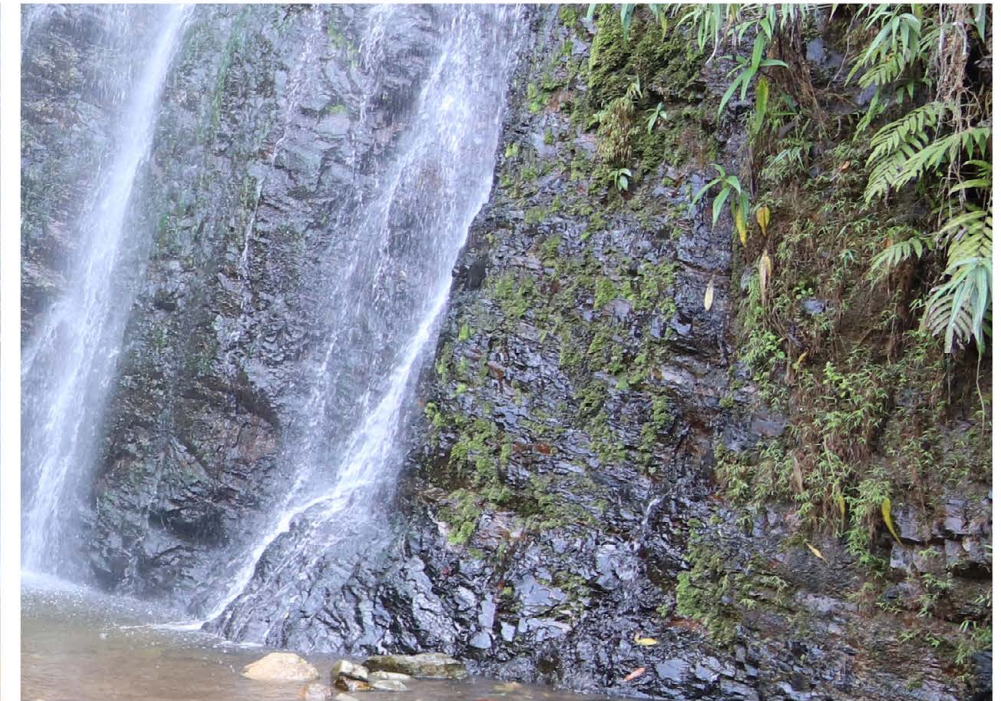


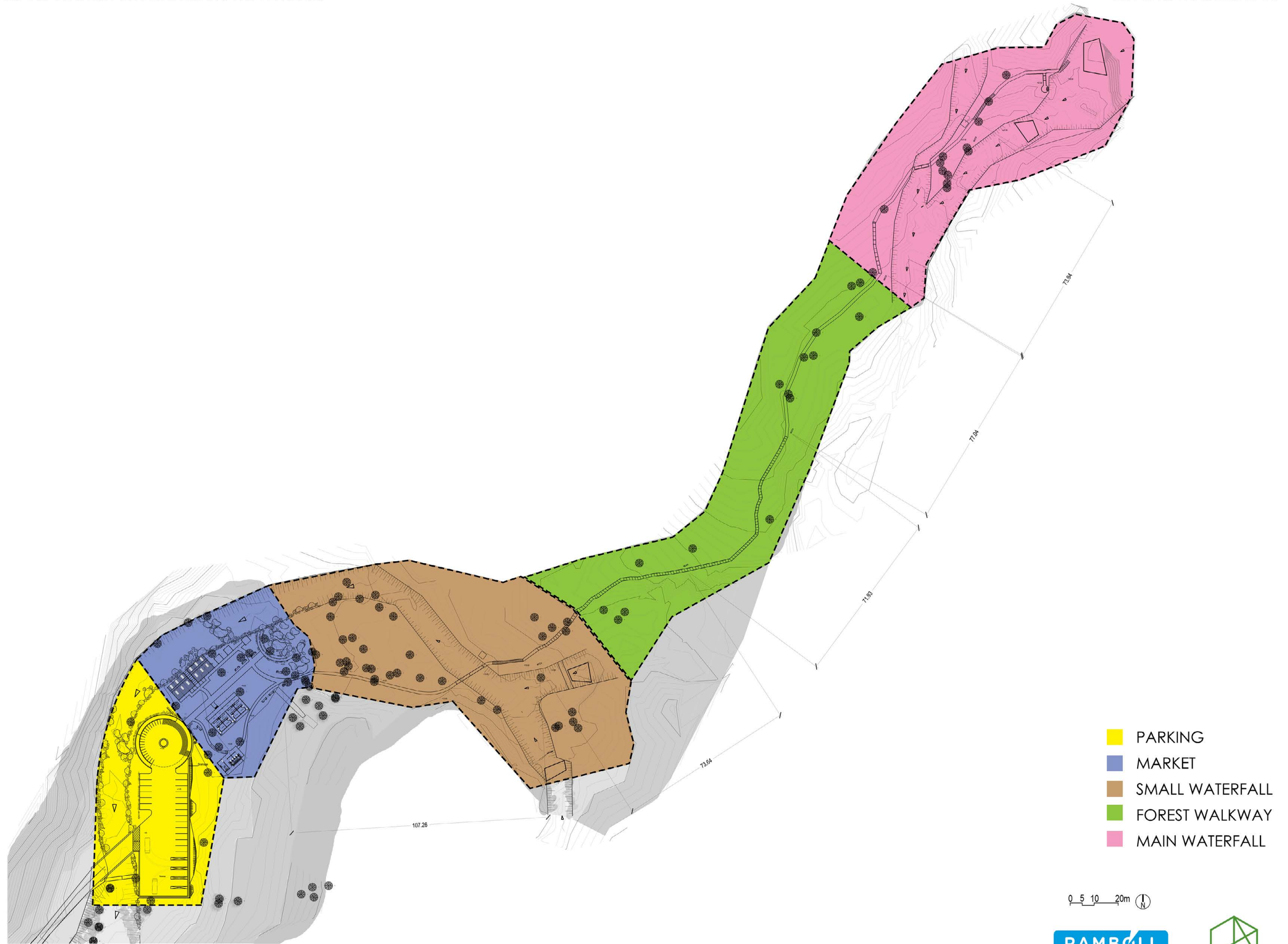


- DEMOLISHED/DISMANTLED
- KEEP
- RENOVATE



3. MASTERPLAN





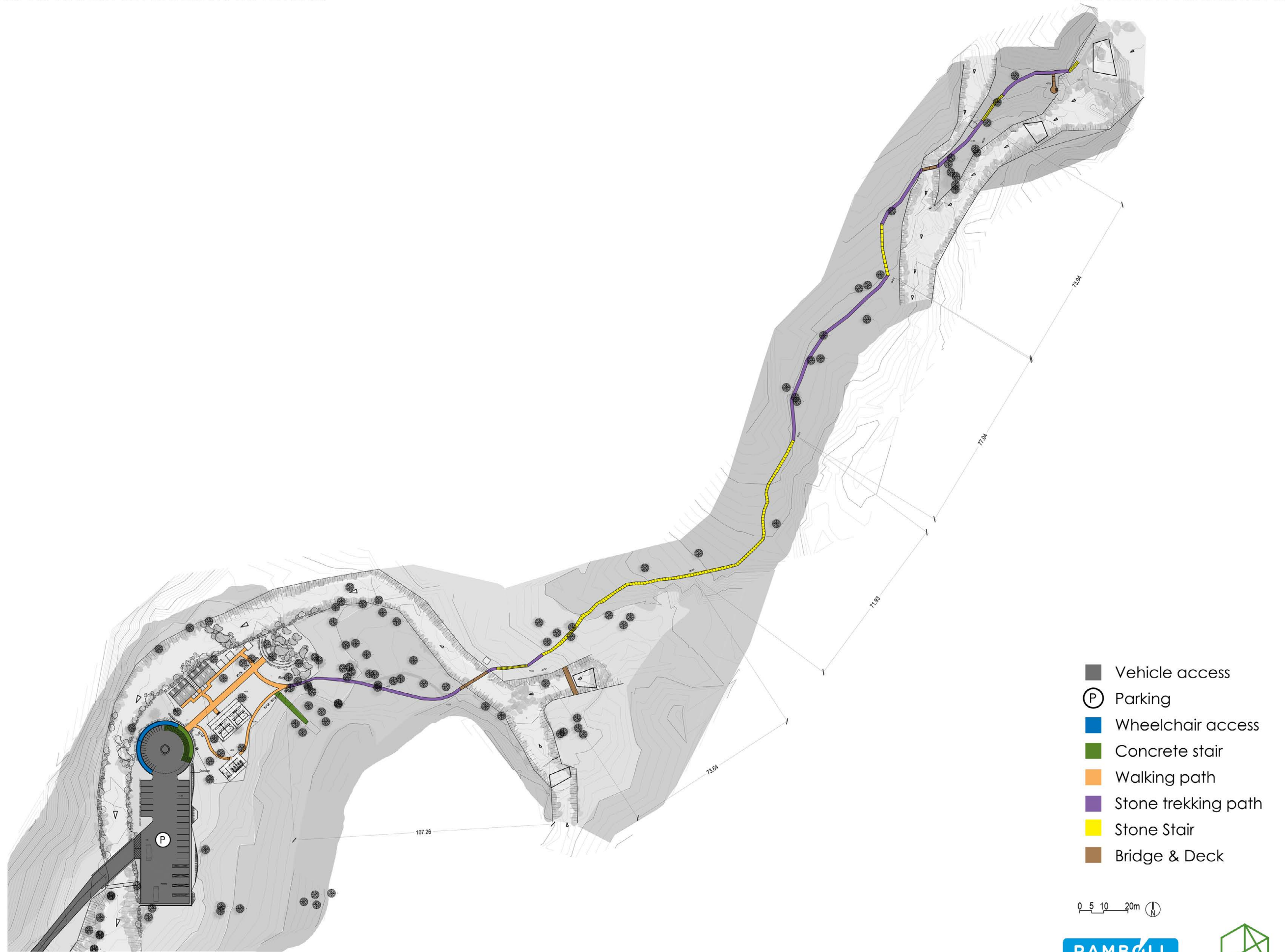
- ① SUBMERGE BRIDGE (ENTRANCE)
- ② PARKING
 Car 20 Units
 Minibus 4 units
 Bike 20 Units
- ③ DINING PAVILION
- ④ KITCHEN (4 Units)
- ⑤ TOILET
- ⑥ BUDDHA STATUE
- ⑦ BRIDGE 1
- ⑧ BRIDGE 2
- ⑨ CHANGING HUT
- ⑩ WATERFALL 1
- ⑪ FOREST WALKWAY (STONE TREKKING)
- ⑫ BRIDGE 3
- ⑬ WATERFALL 2
- ⑭ STAIR
- ⑮ VIEWING DECK
- ⑯ WATERFALL 3 (MAIN)

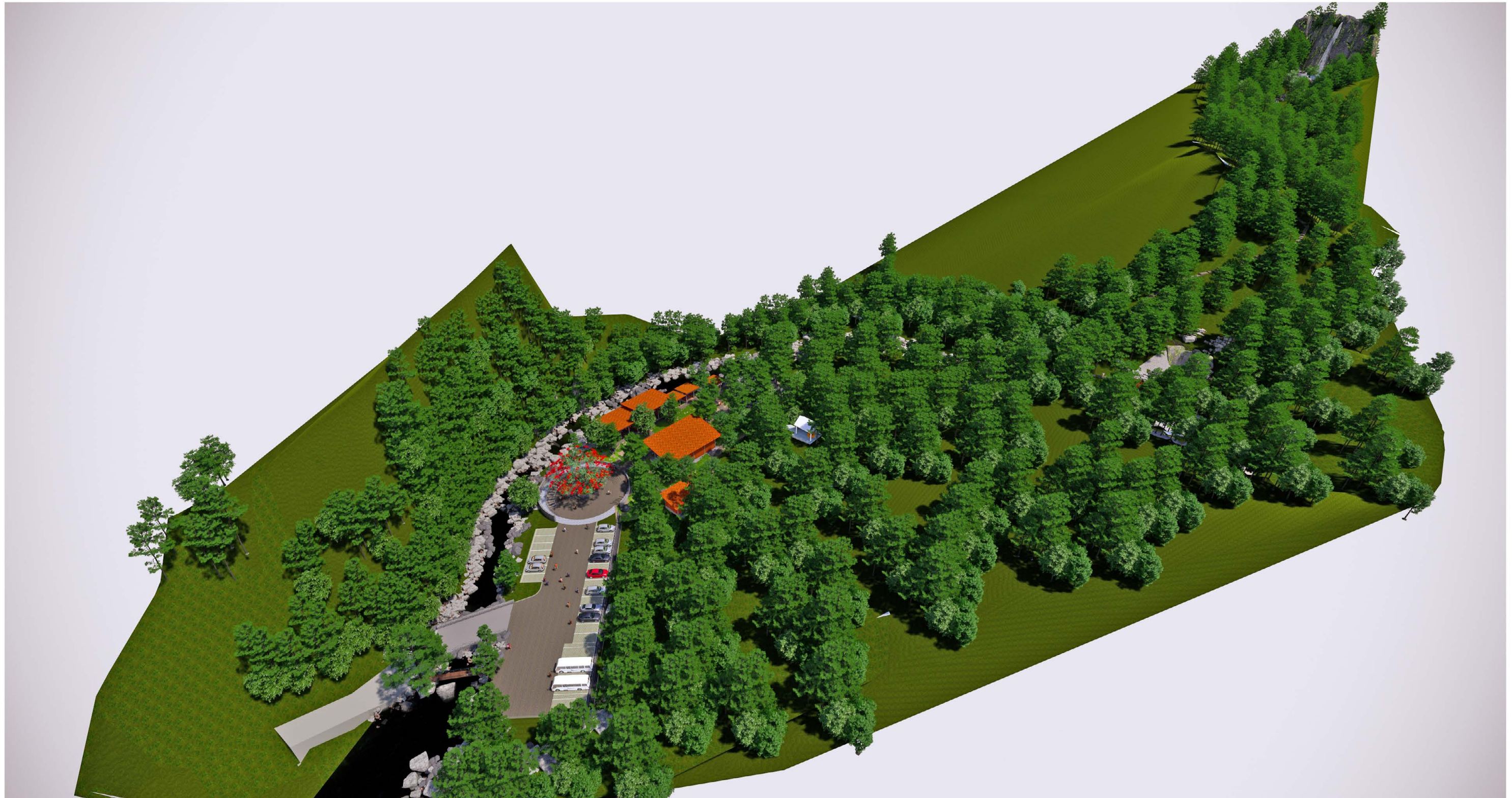


0 5 10 20m (N)



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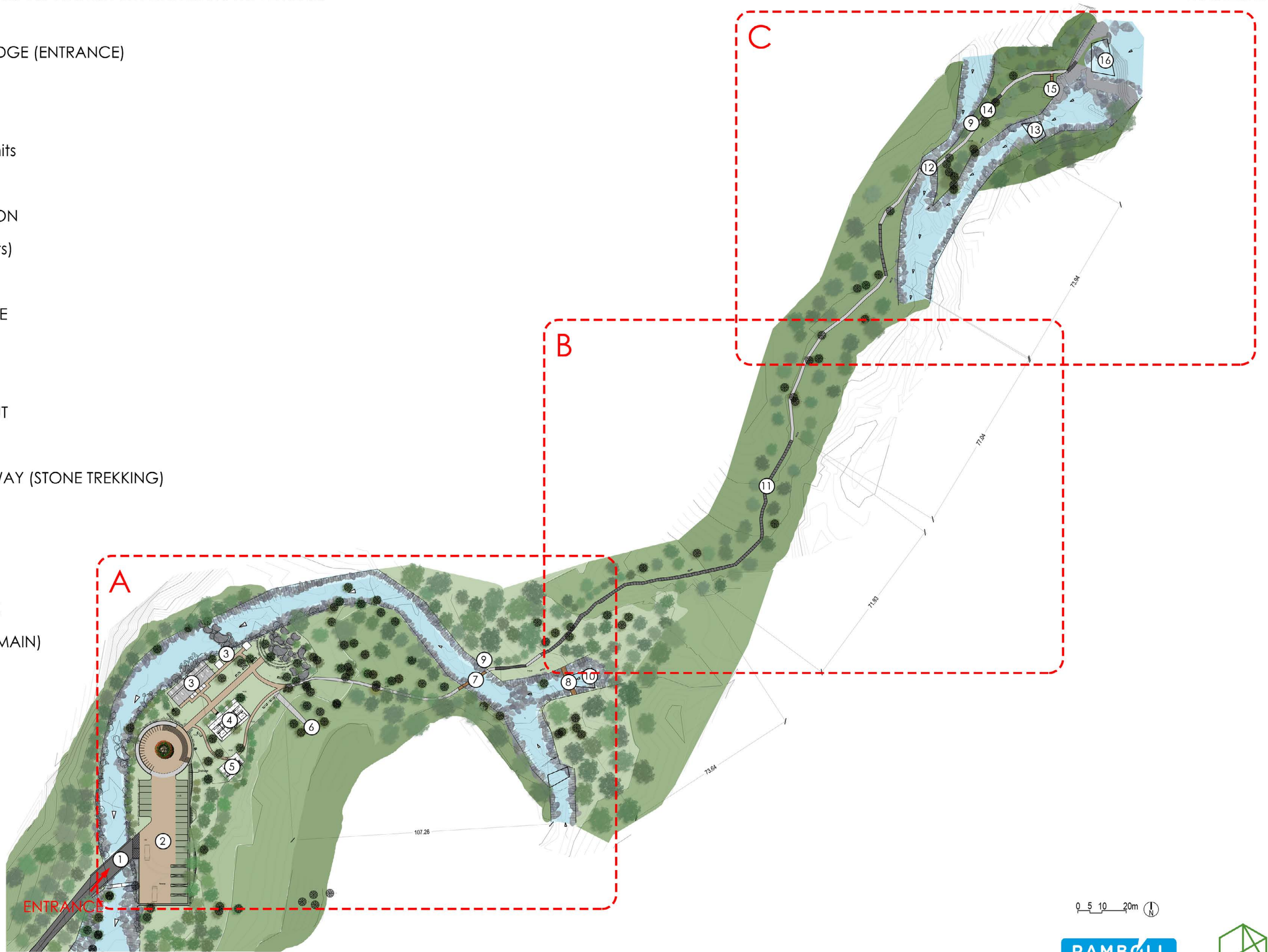




4. LANDSCAPE DESIGN



- ① SUBMERGE BRIDGE (ENTRANCE)
- ② PARKING
 Car 20 Units
 Minibus 4 units
 Bike 20 Units
- ③ DINING PAVILION
- ④ KITCHEN (4 Units)
- ⑤ TOILET
- ⑥ BUDDHA STATUE
- ⑦ BRIDGE 1
- ⑧ BRIDGE 2
- ⑨ CHANGING HUT
- ⑩ WATERFALL 1
- ⑪ FOREST WALKWAY (STONE TREKKING)
- ⑫ BRIDGE 3
- ⑬ WATERFALL 2
- ⑭ STAIR
- ⑮ VIEWING DECK
- ⑯ WATERFALL 3 (MAIN)

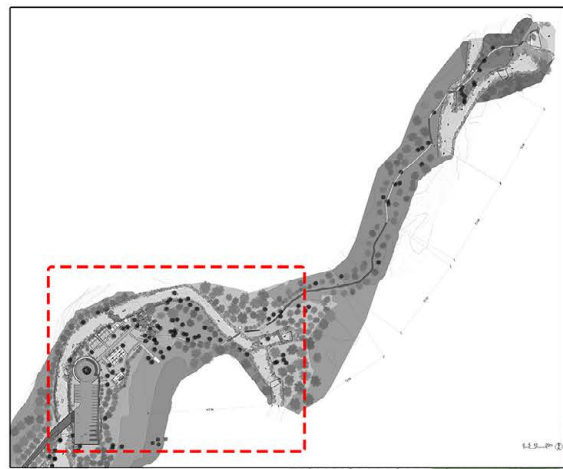


0 5 10 20m

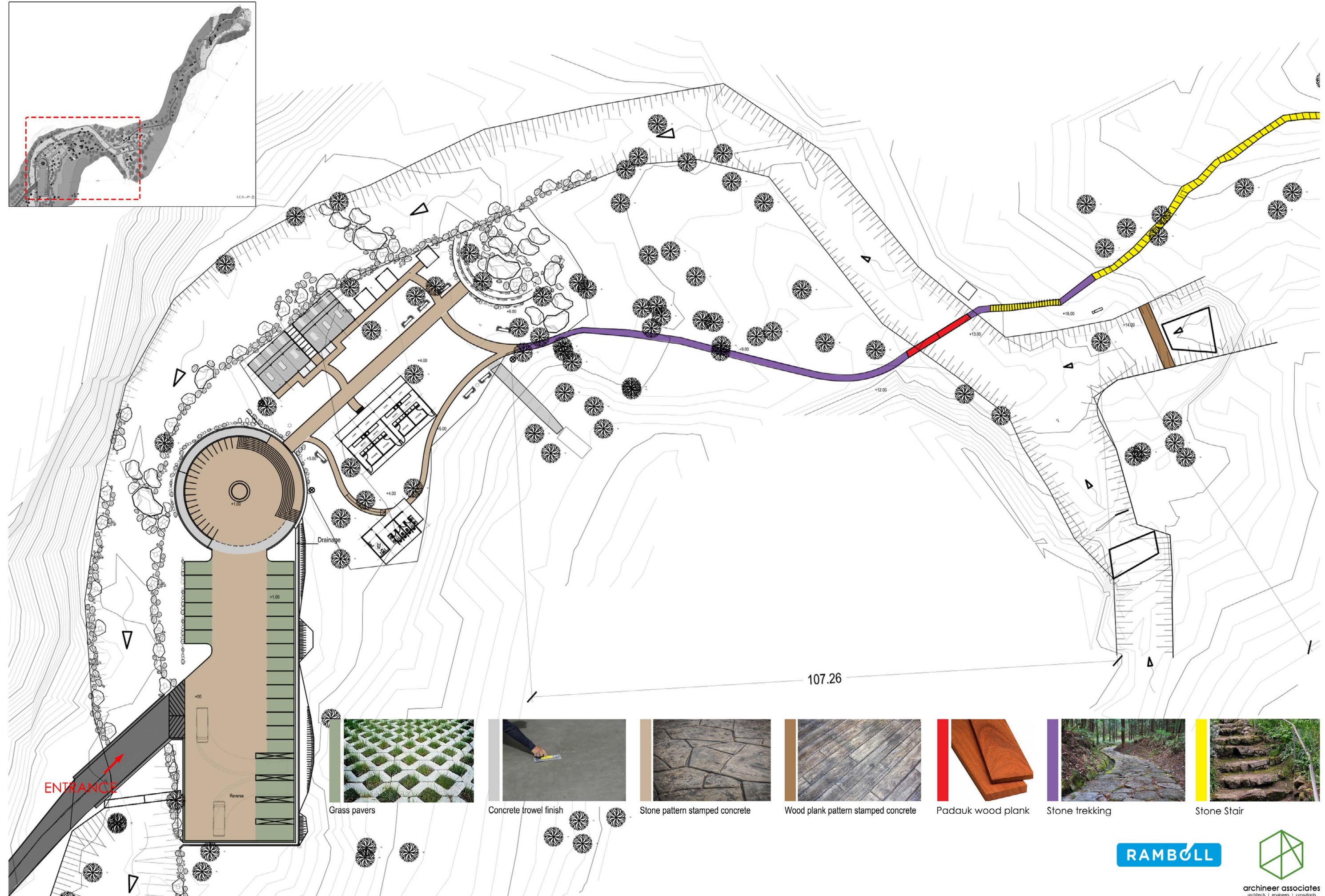
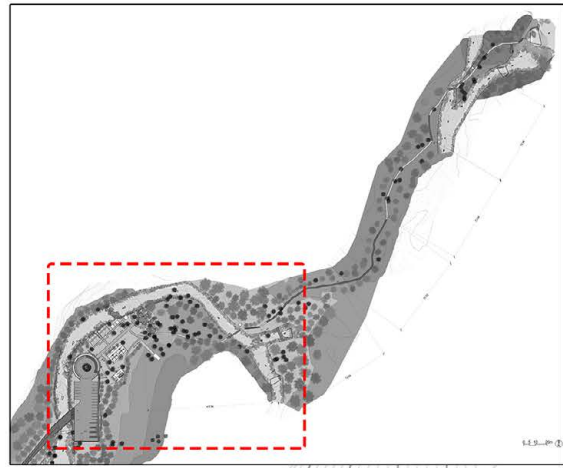
RAMBOLL

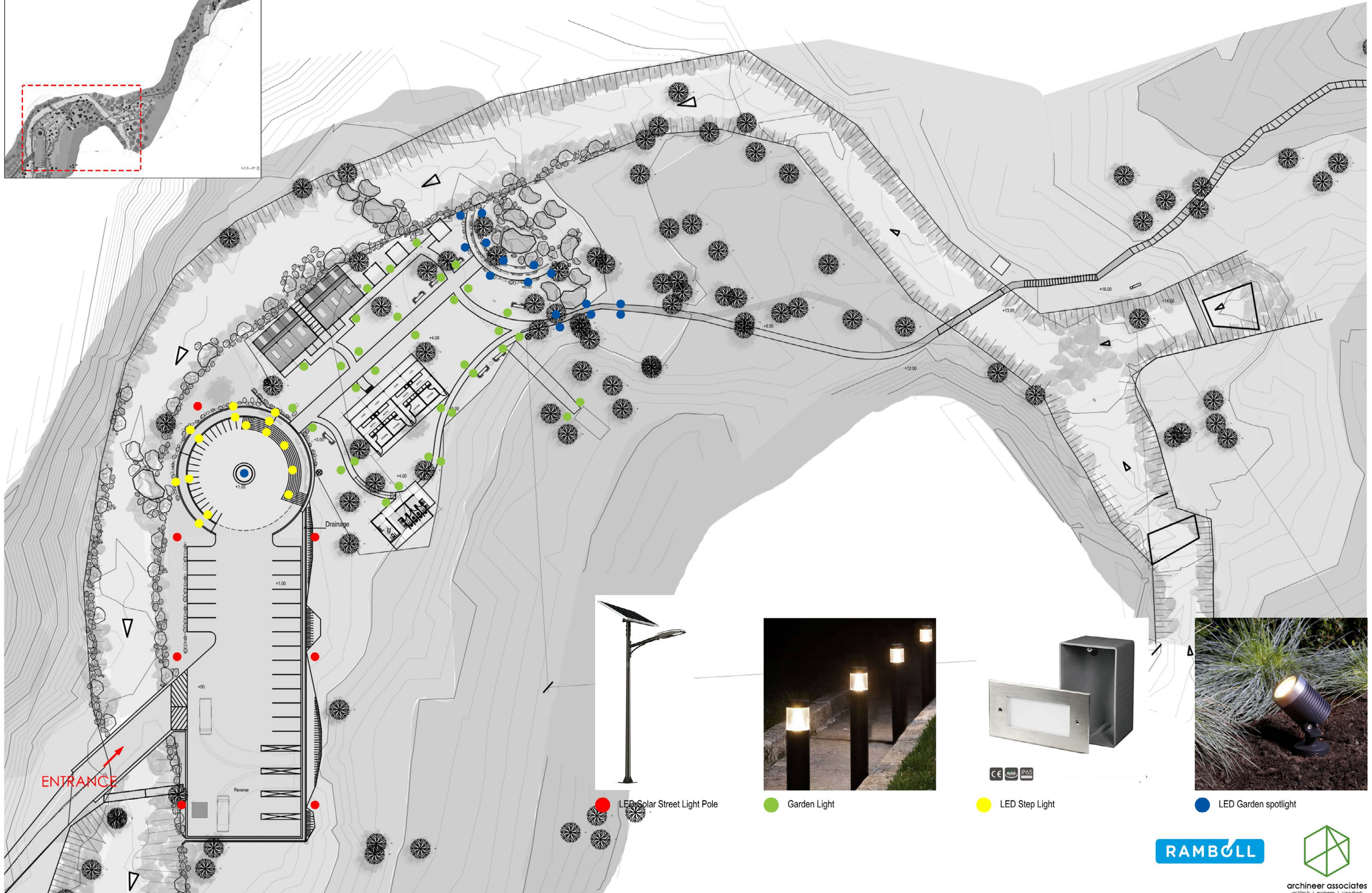
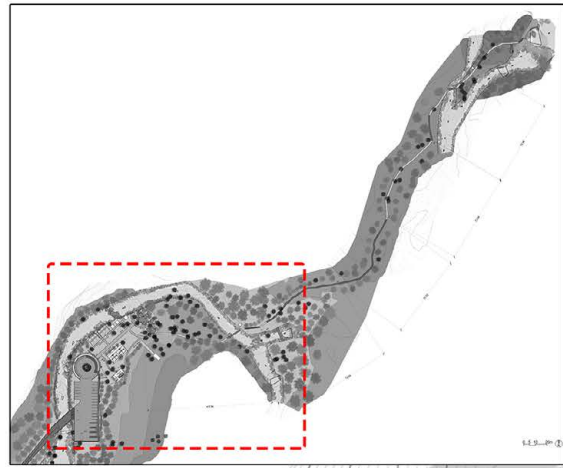


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- ① SUBMERGE BRIDGE (ENTRANCE)
- ② PARKING
 Car 20 Units
 Minibus 4 units
 Bike 20 Units
- ③ DINING PAVILION
- ④ KITCHEN (4 Units)
- ⑤ TOILET
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- ⑧ BRIDGE 2
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- ⑫ BRIDGE 3
- ⑬ WATERFALL 2
- ⑭ STAIR
- ⑮ VIEWING DECK
- ⑯ WATERFALL 3 (MAIN)





LED Solar Street Light Pole



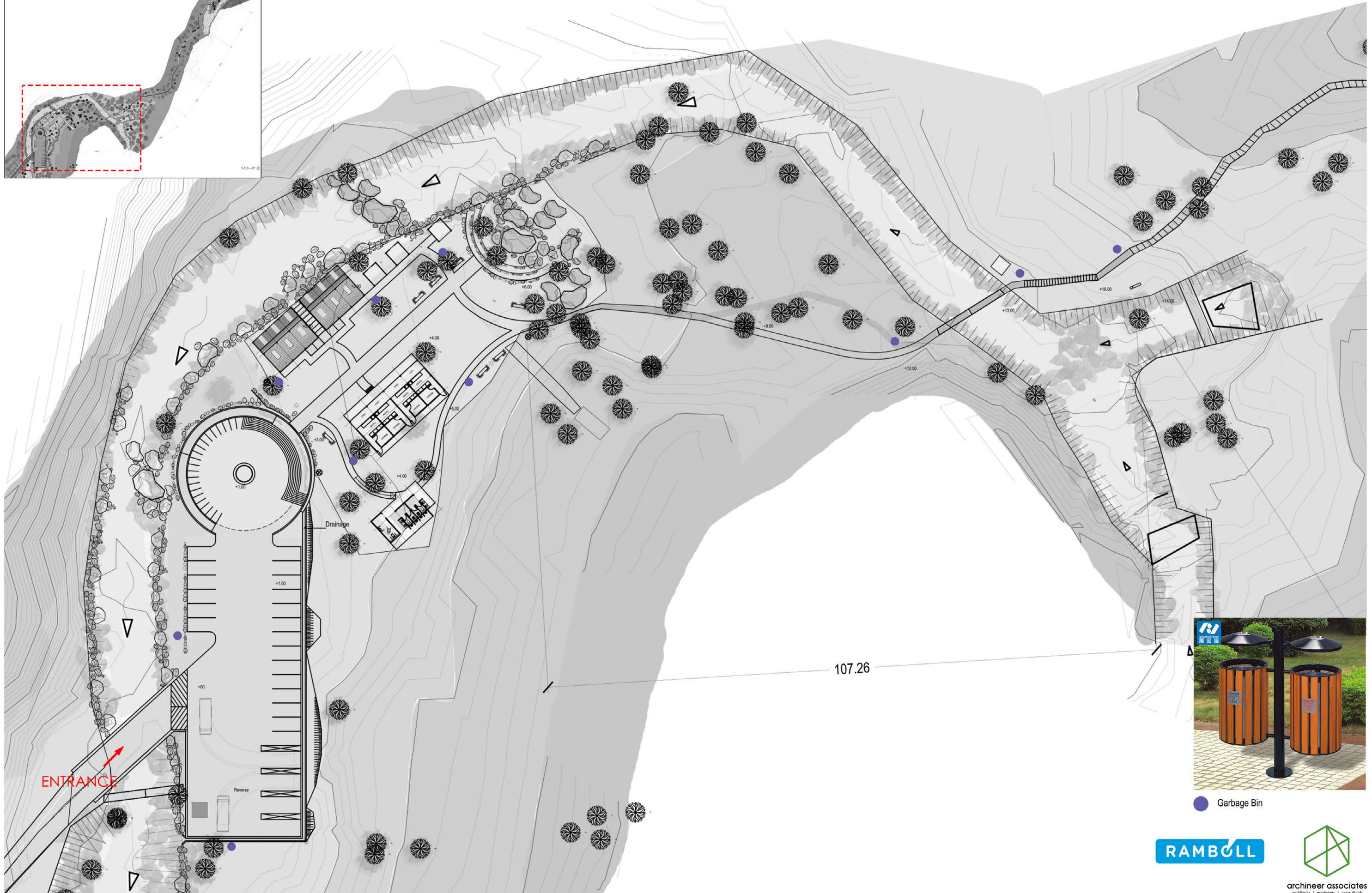
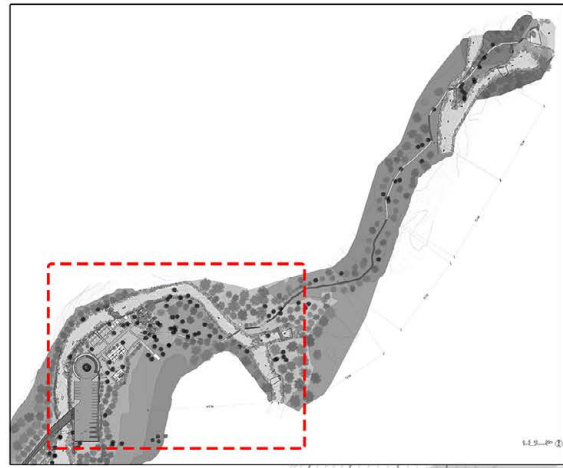
Garden Light



LED Step Light



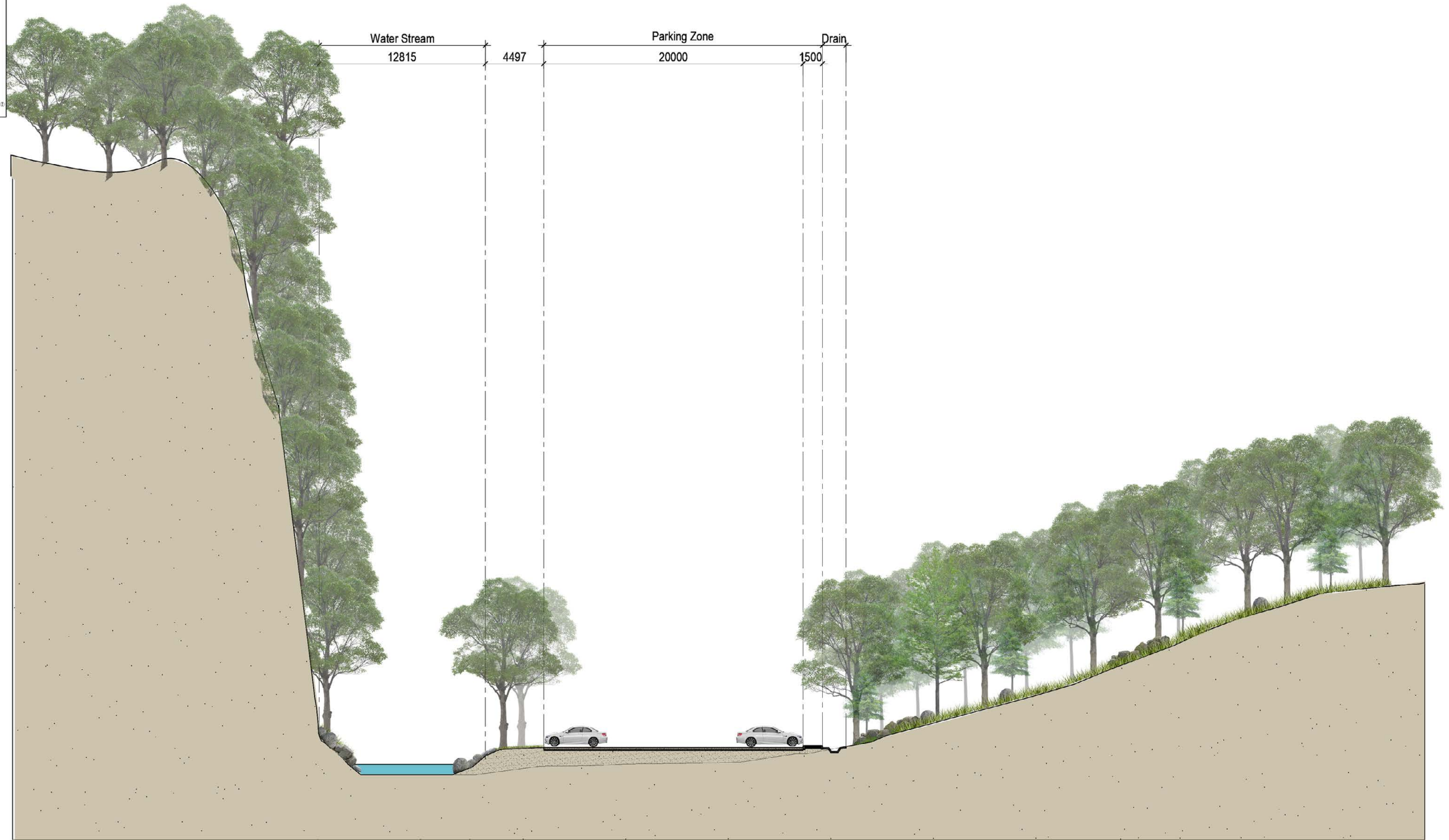
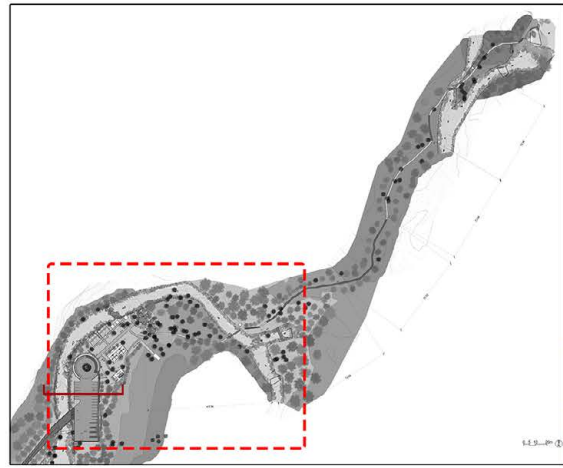
LED Garden spotlight

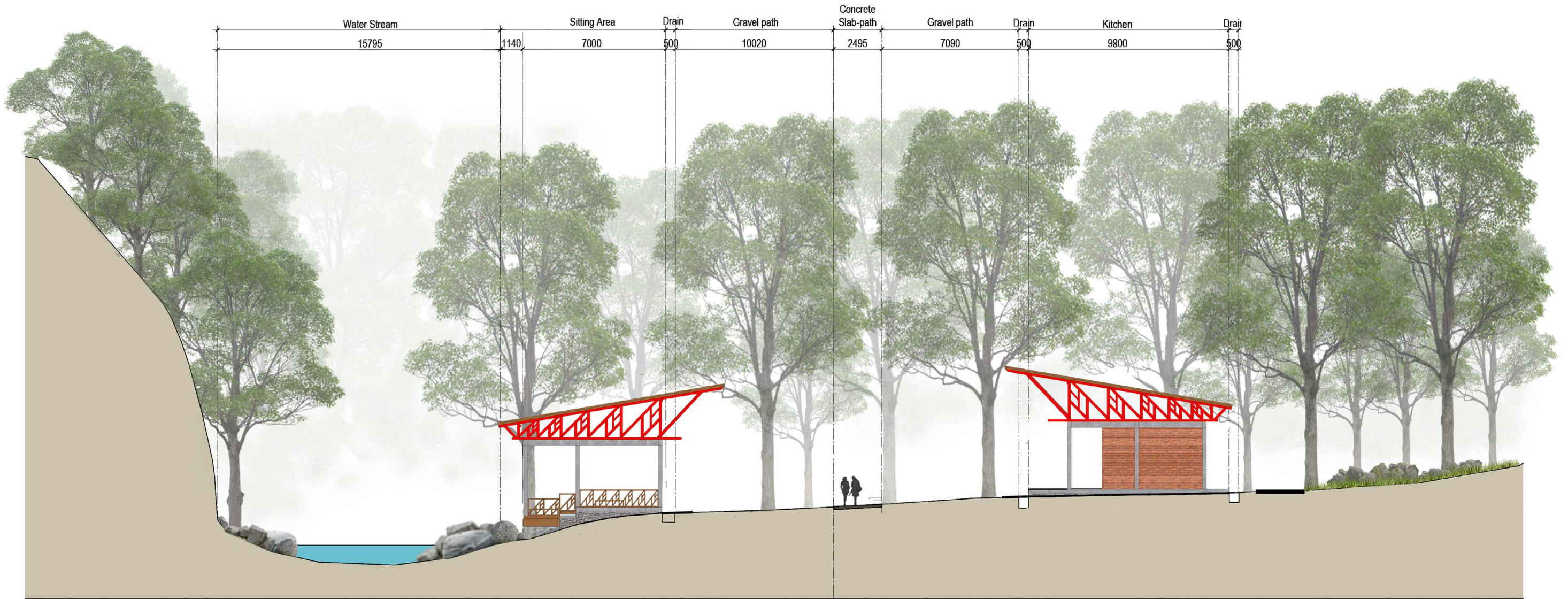
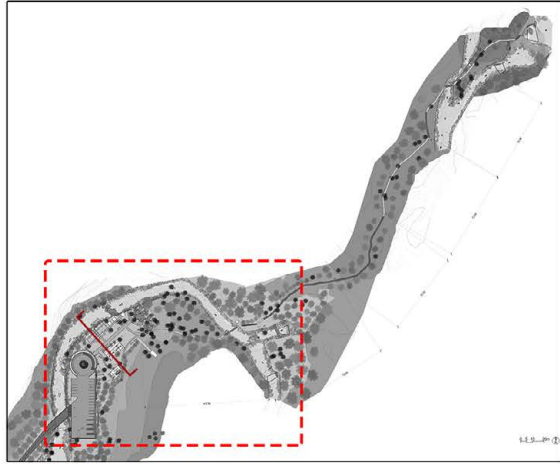


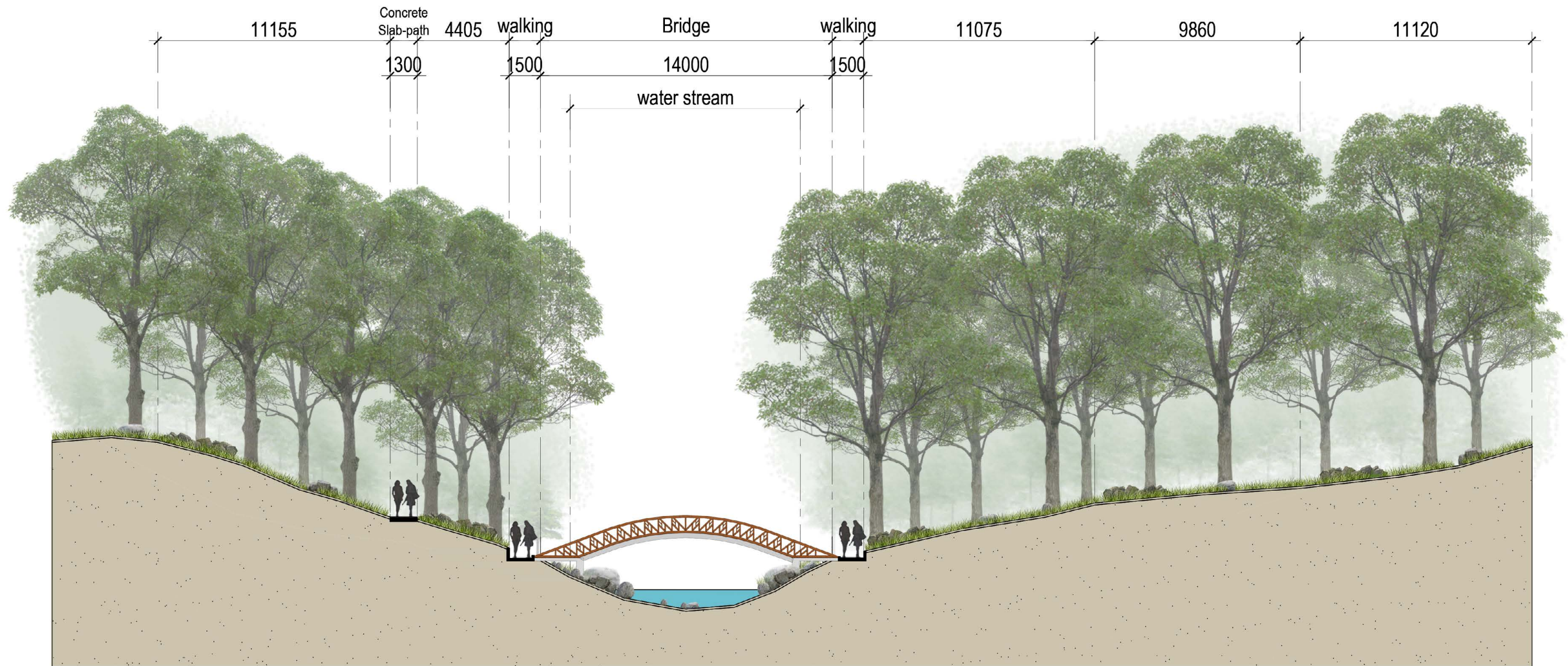
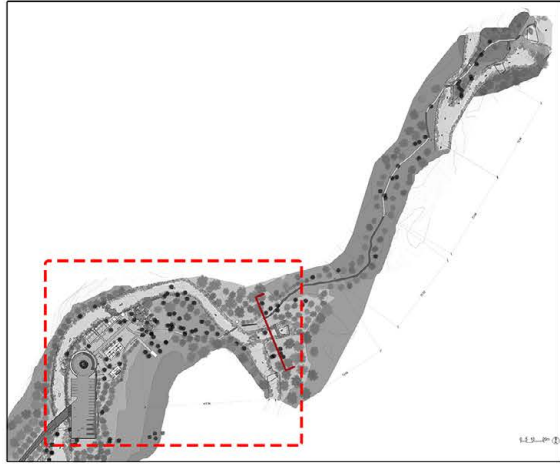
● Garbage Bin



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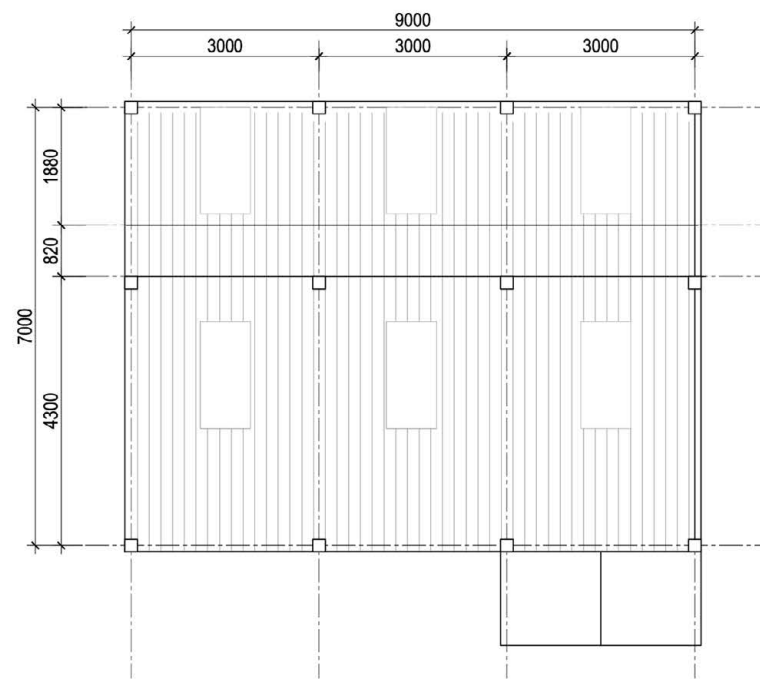




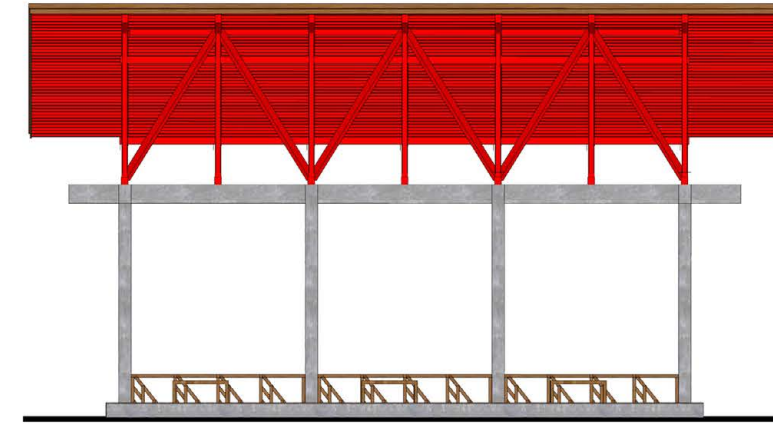




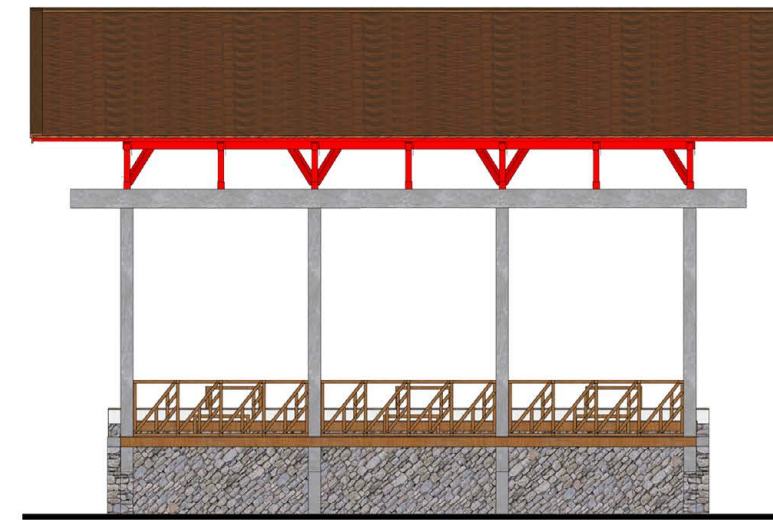
Perspective



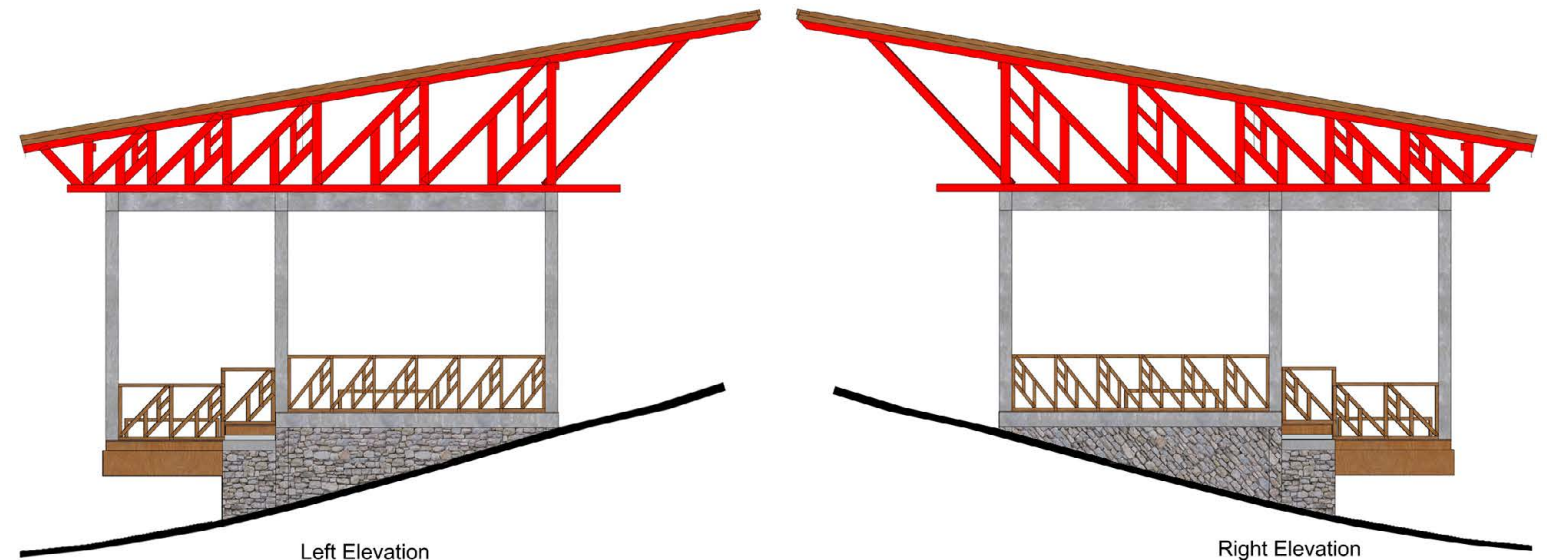
Floor Plan



Front Elevation



Back Elevation



Left Elevation

Right Elevation



Stone Masonry



Roof tiles



Steel

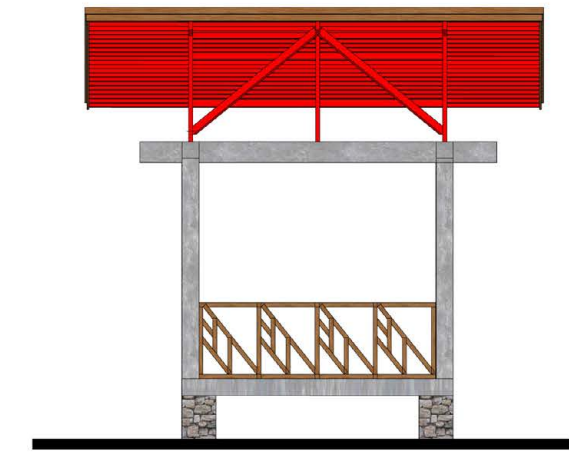


Wood imitation ceramic Tiles

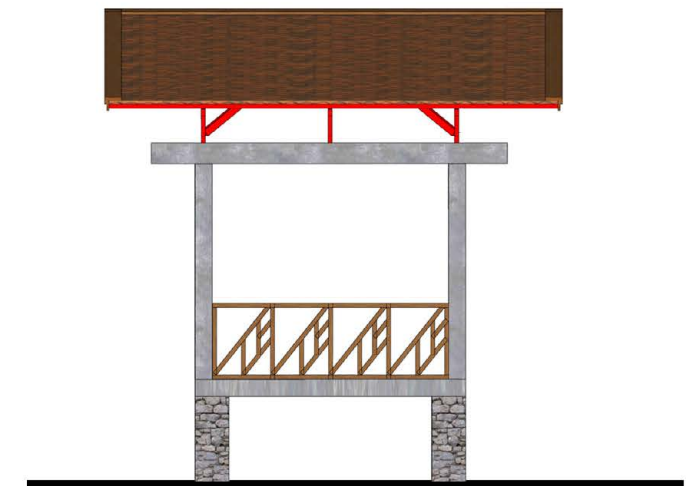




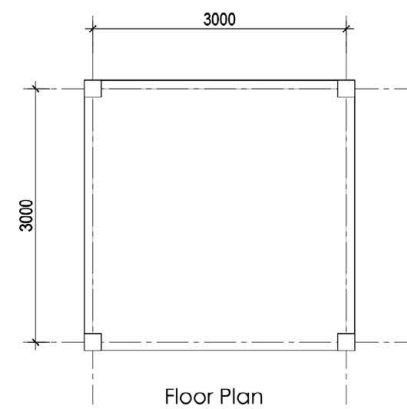
Perspective



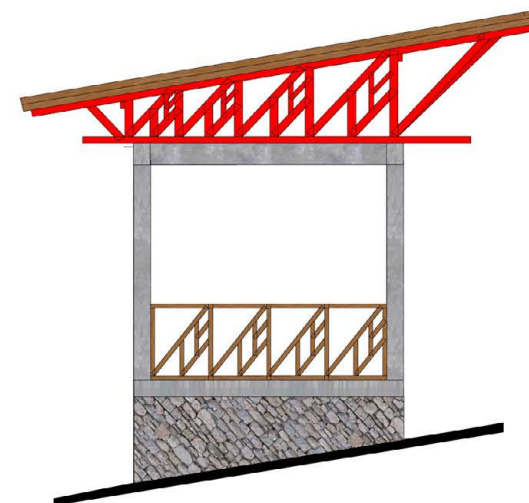
Front Elevation



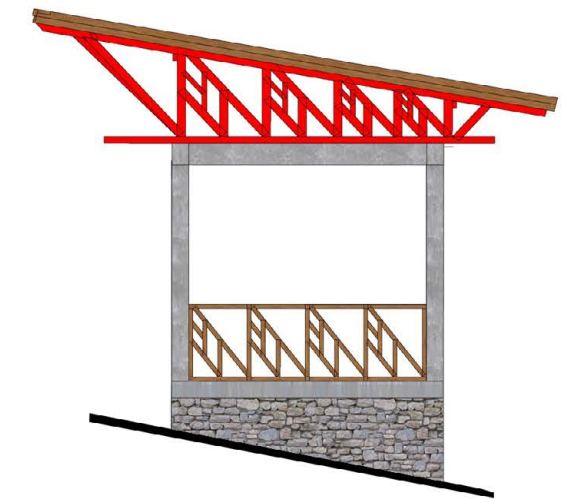
Back Elevation



Floor Plan



Left Elevation



Right Elevation



Stone Masonry



Roof tiles



Steel



Wood imitation ceramic Tiles





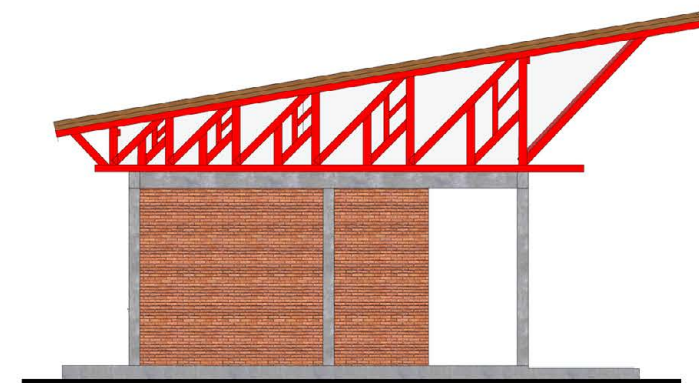
Perspective



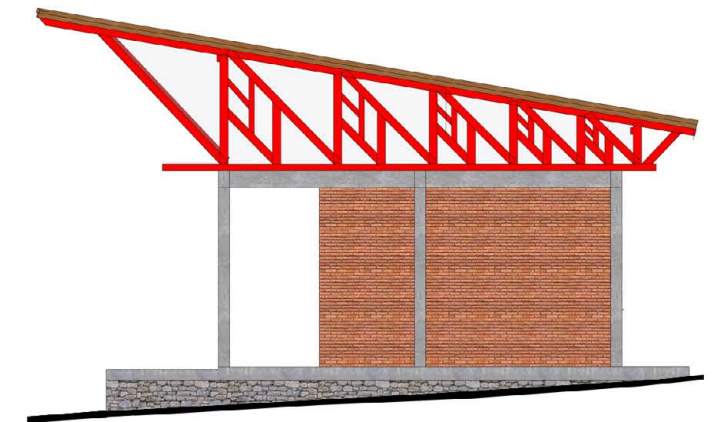
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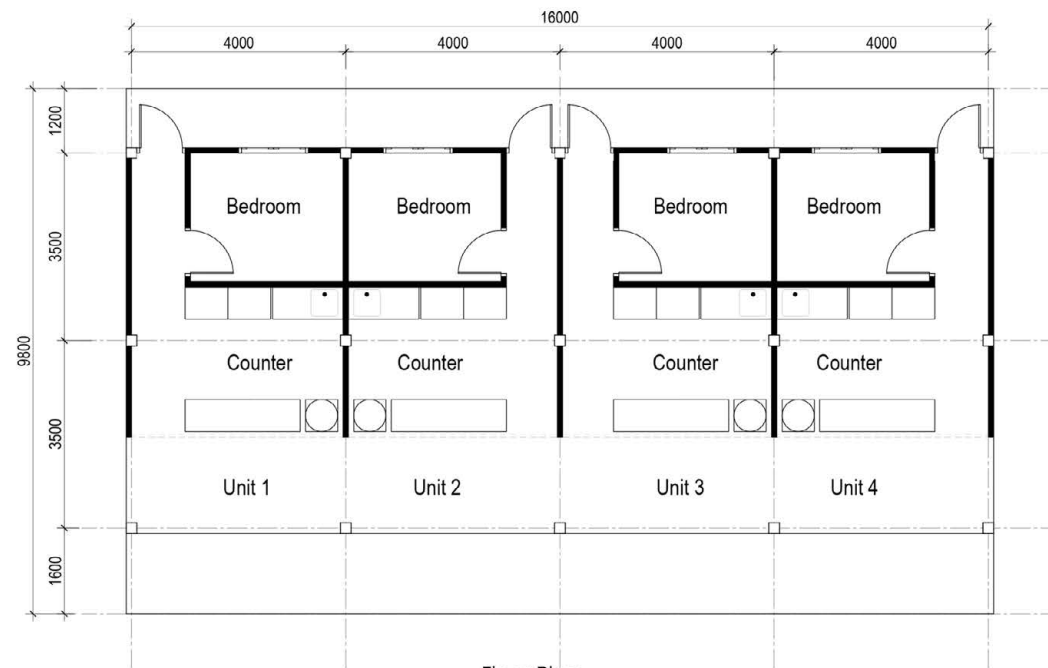
Back Elevation



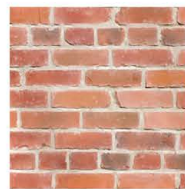
Left Elevation



Right Elevation



Floor Plan



Clay brick masonry



Roof tiles



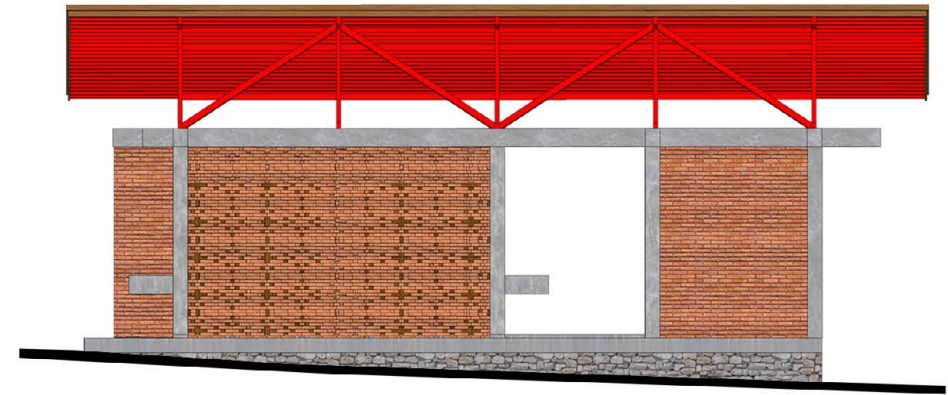
Steel



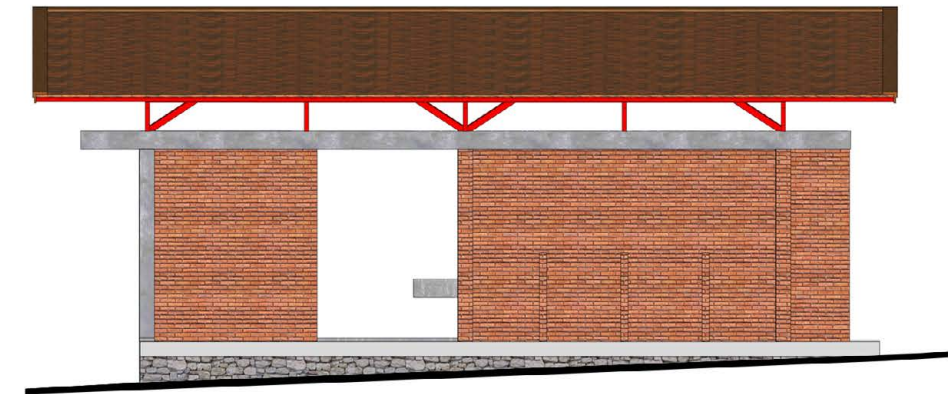
Wood imitation
 Ceramic Tiles



Perspective



Front Elevation



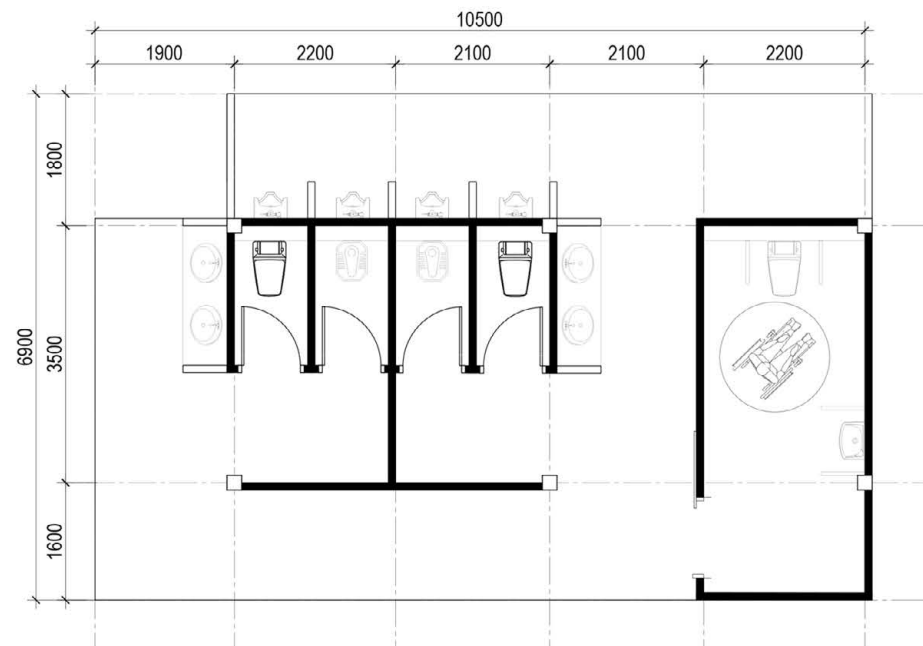
Back Elevation



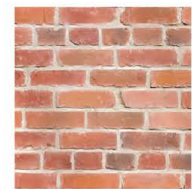
Left Elevation



Right Elevation



Floor Plan



Clay brick masonry



Roof tiles



Steel

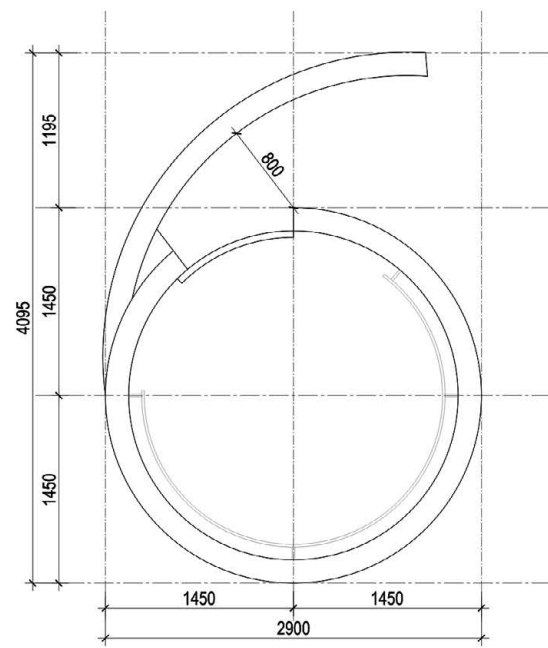


Ceramic Tiles





Perspective



Floor Plan



Front Elevation



Back Elevation



Left Elevation



Right Elevation



Stone Masonry



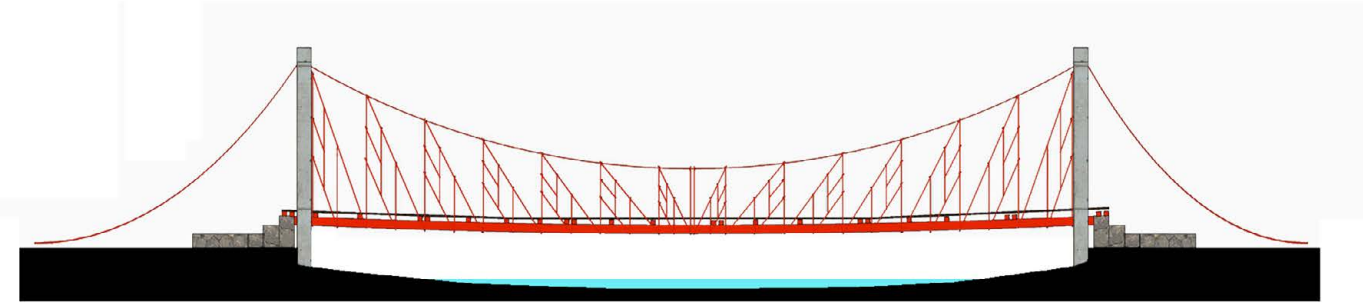
Fish scale
 Asphalt shingles



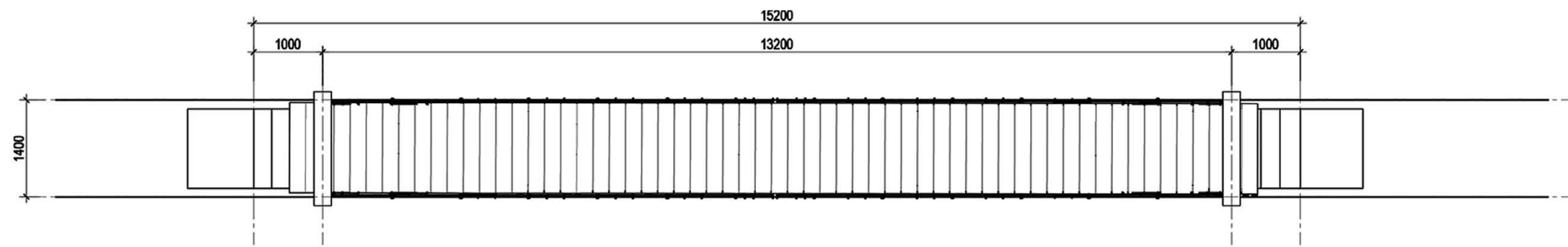
Steel



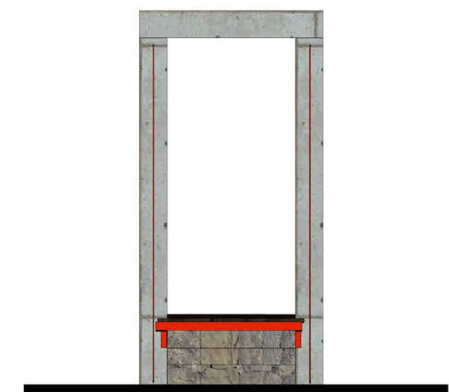
Perspective



Side Elevation



Plan



Front Elevation



Concrete



Steel



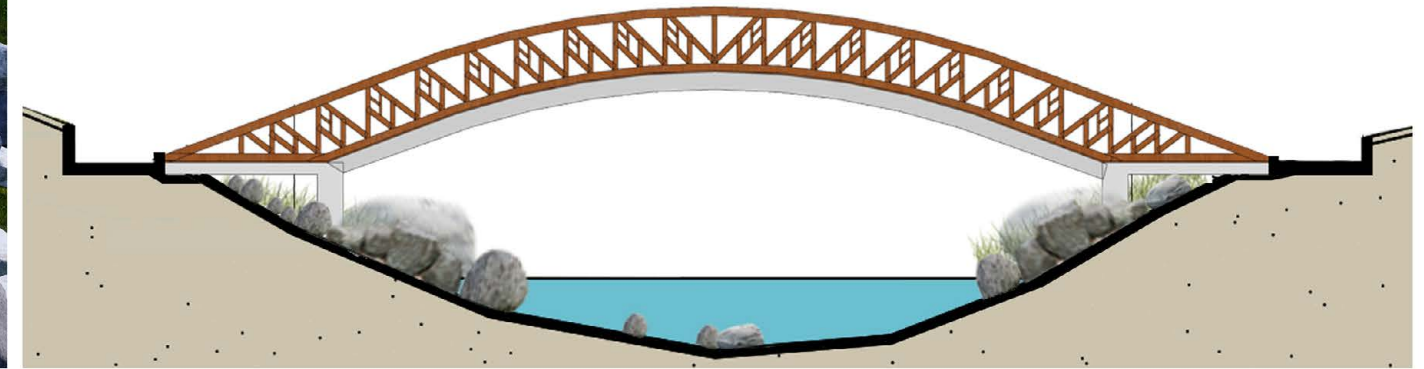
Padauk wood plank



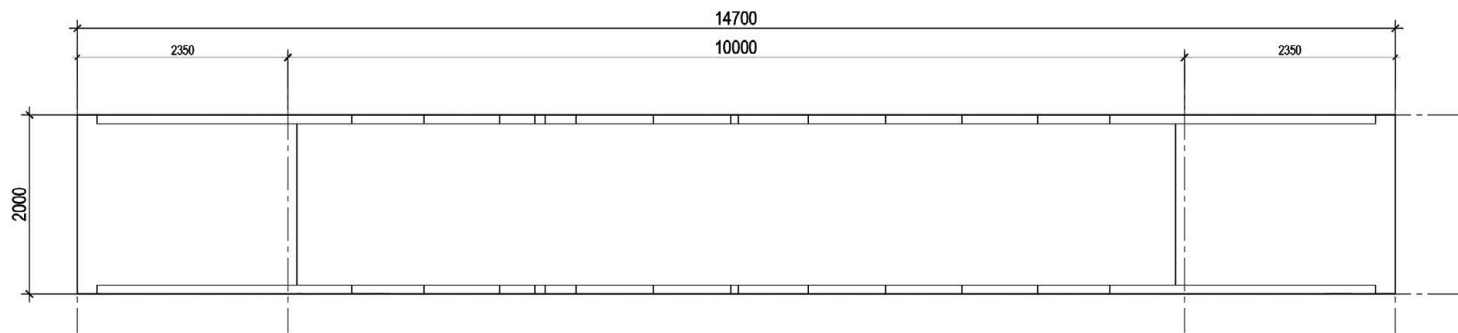
Steel suspension wire



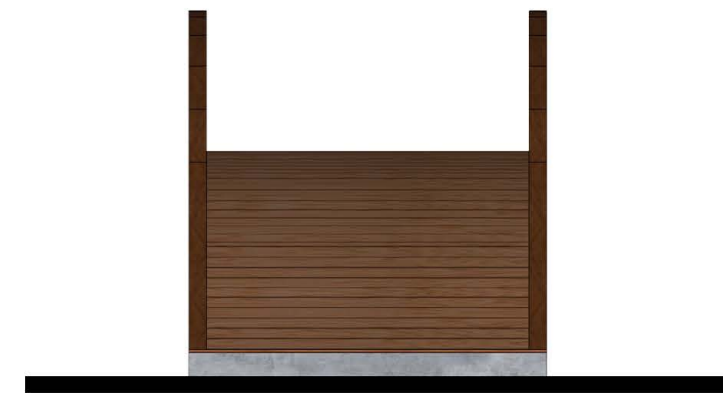
Perspective



Front Elevation



Floor Plan



Back Elevation



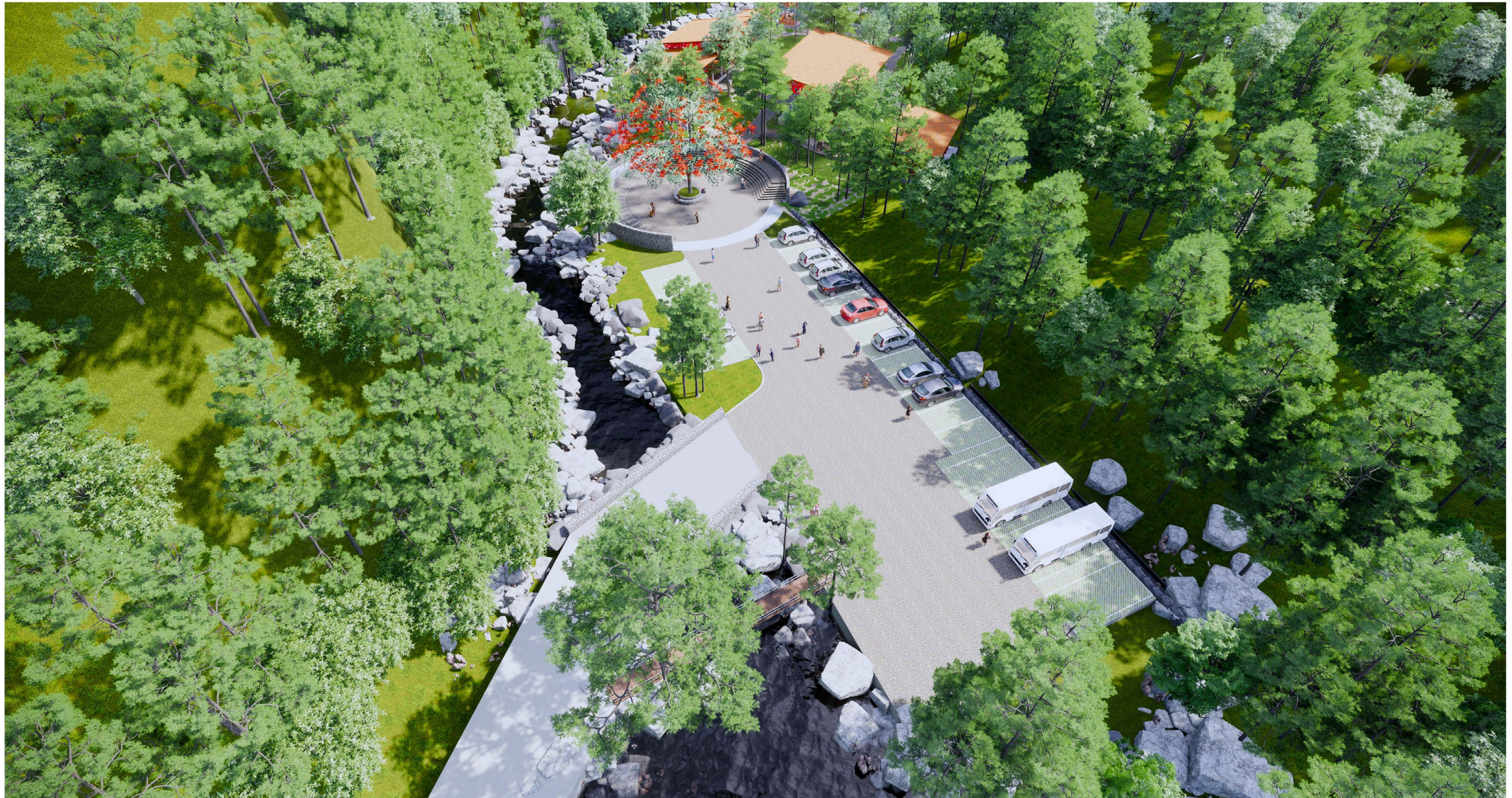
Concrete

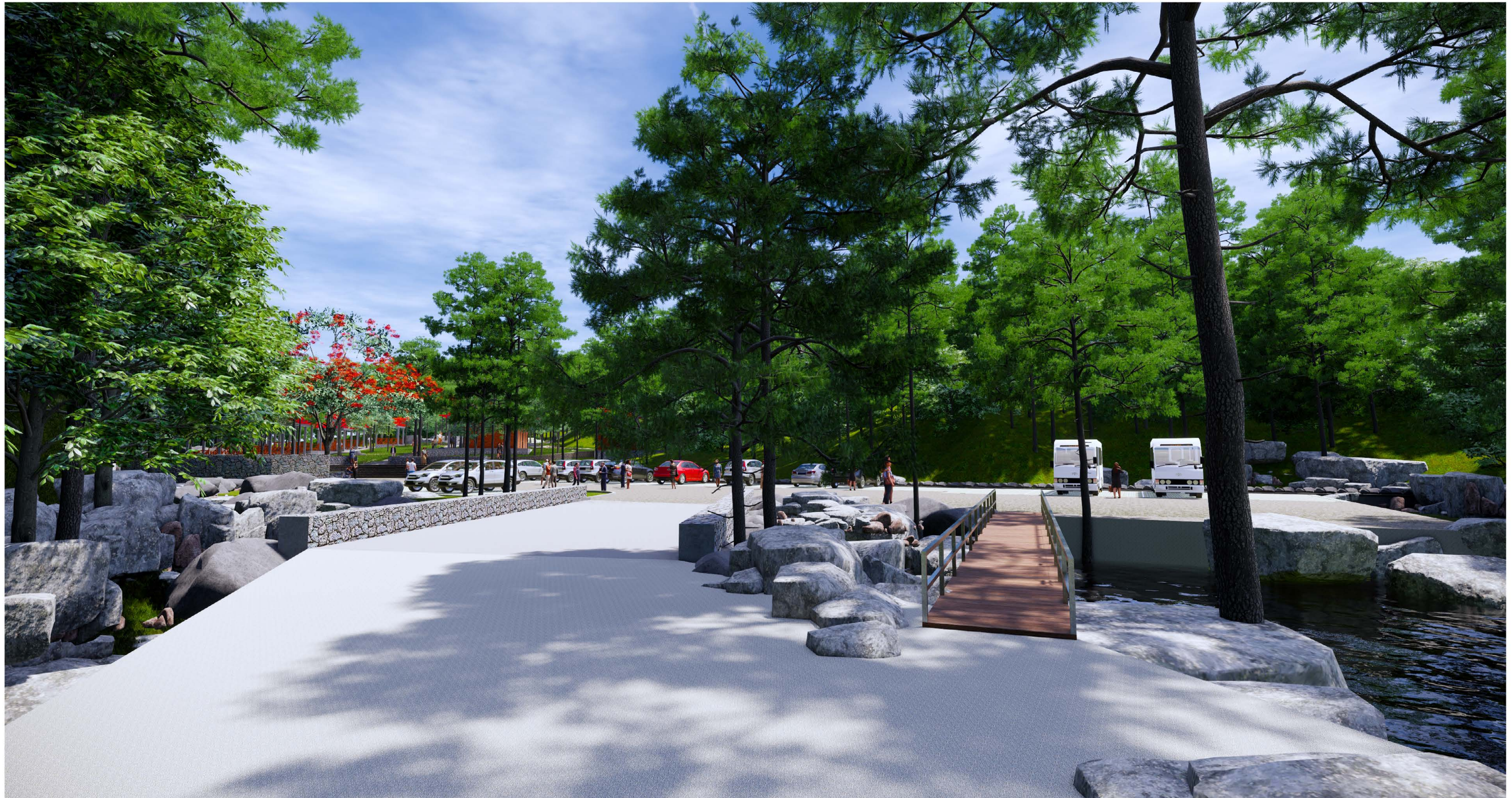


Steel



Wood pattern stamped concrete



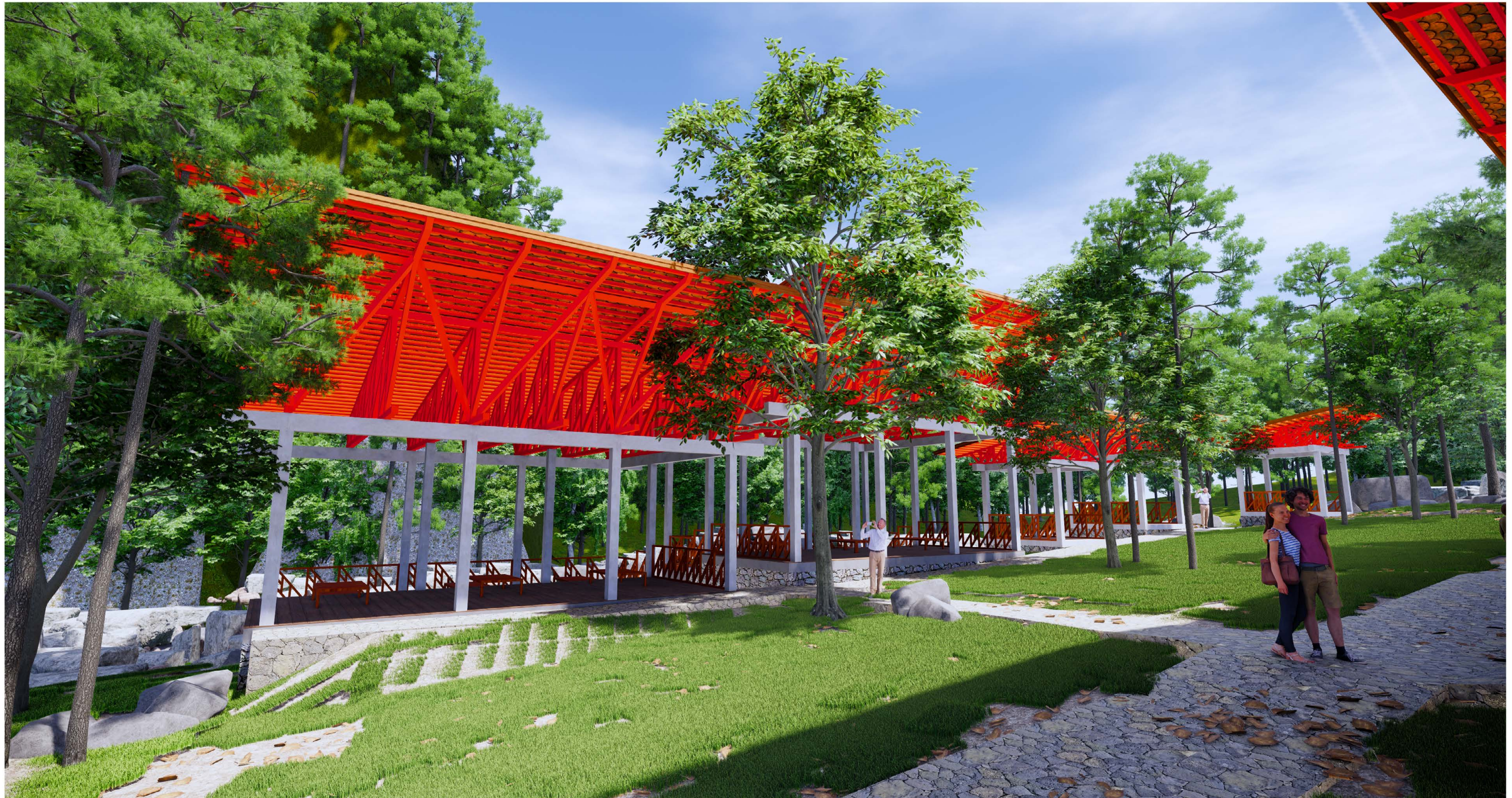




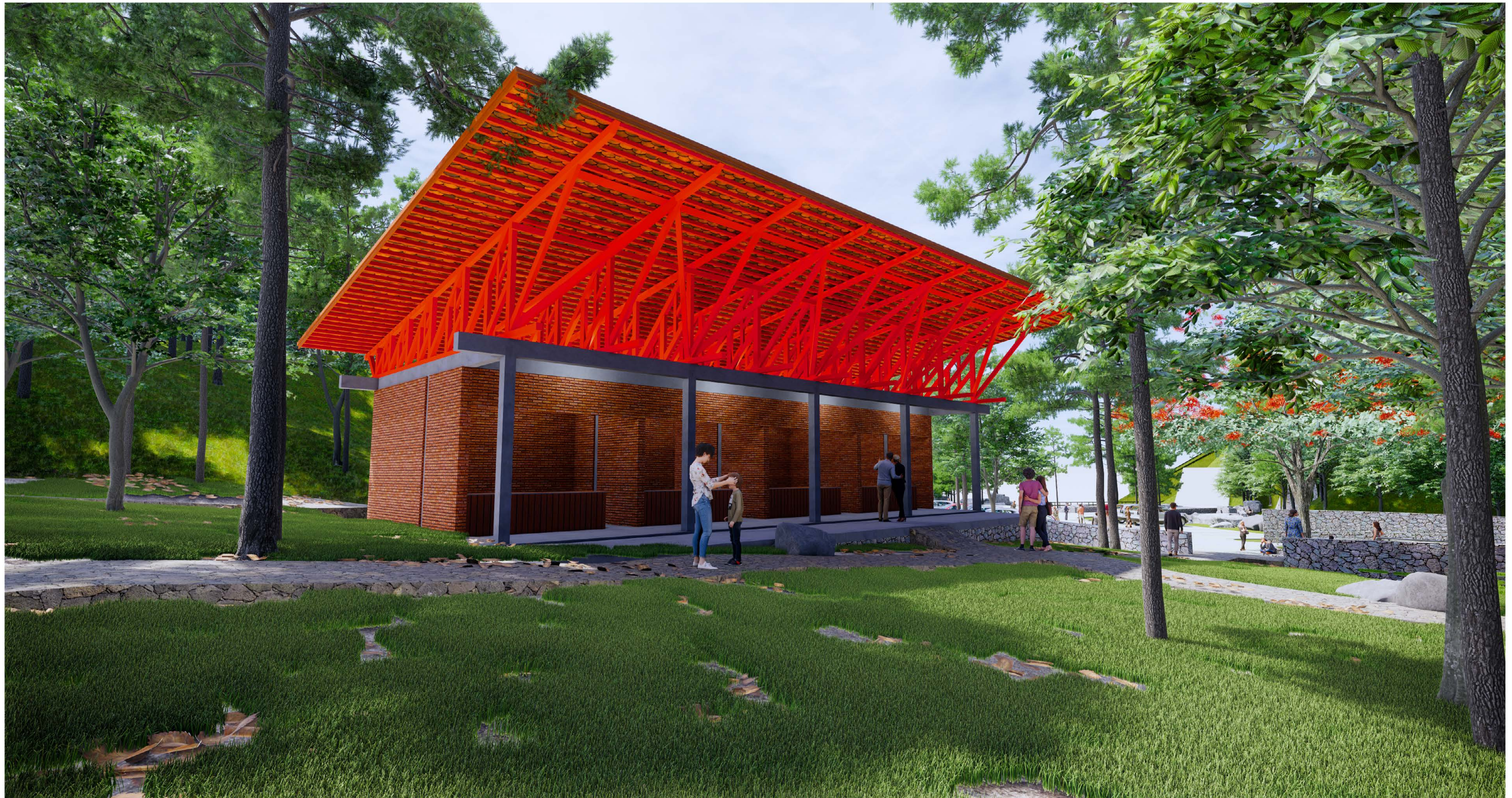




































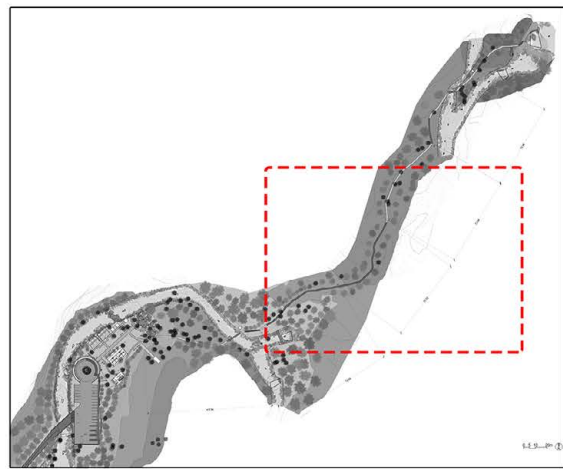






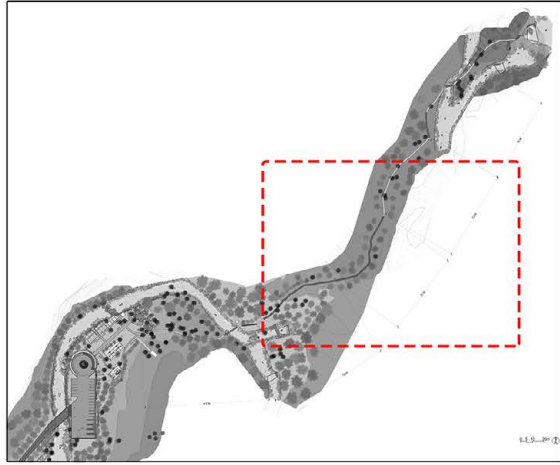






- ① SUBMERGE BRIDGE (ENTRANCE)
- ② PARKING
 Car 20 Units
 Minibus 4 units
 Bike 20 Units
- ③ DINING PAVILION
- ④ KITCHEN (4 Units)
- ⑤ TOILET
- ⑥ BUDDHA STATUE
- ⑦ BRIDGE 1
- ⑧ BRIDGE 2
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- ⑩ WATERFALL 1
- ⑪ FOREST WALKWAY (STONE TREKKING)
- ⑫ BRIDGE 3
- ⑬ WATERFALL 2
- ⑭ STAIR
- ⑮ VIEWING DECK
- ⑯ WATERFALL 3 (MAIN)





Grass pavers



Concrete trowel finish



Stone pattern stamped concrete



Wood plank pattern stamped concrete



Paduk wood plank



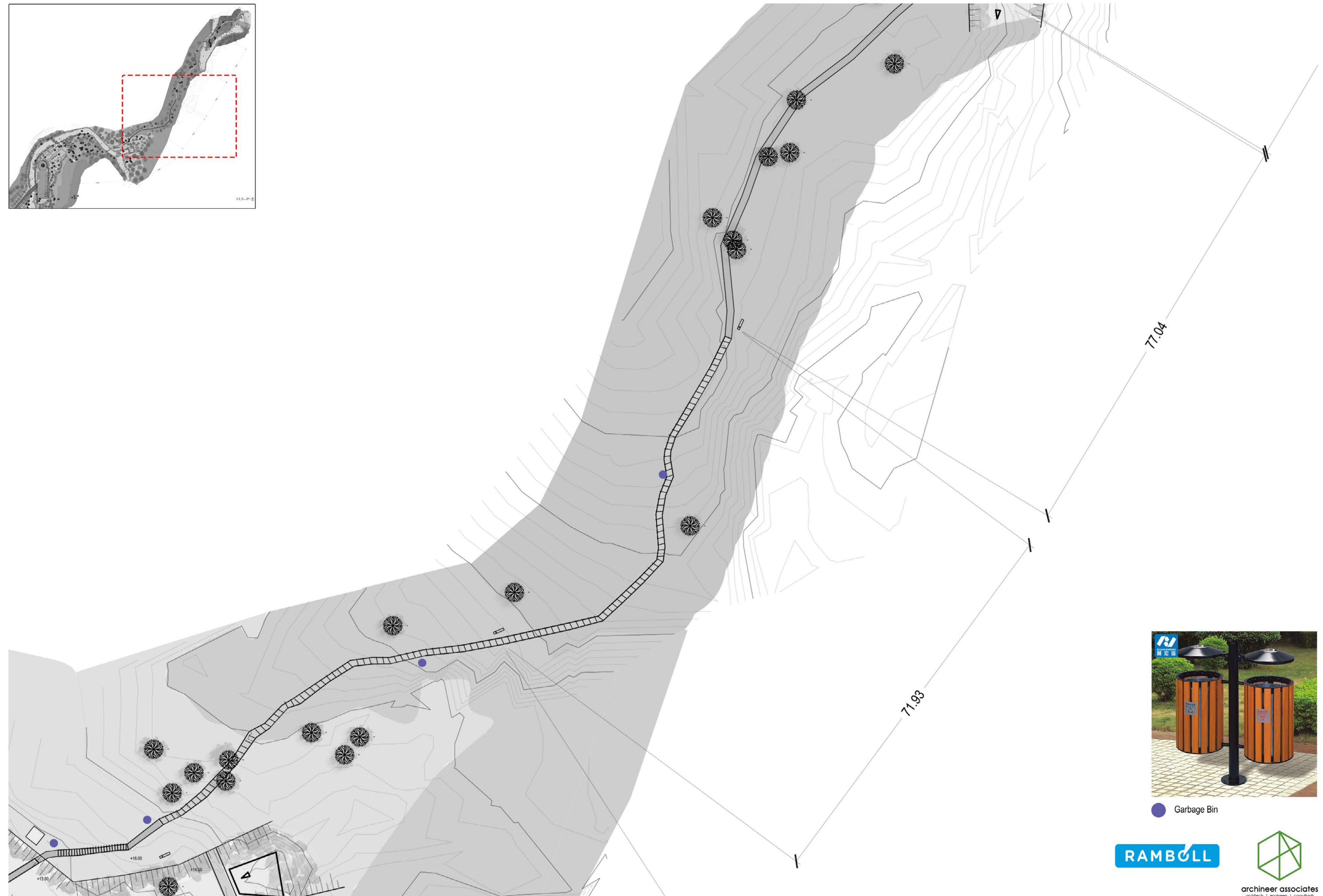
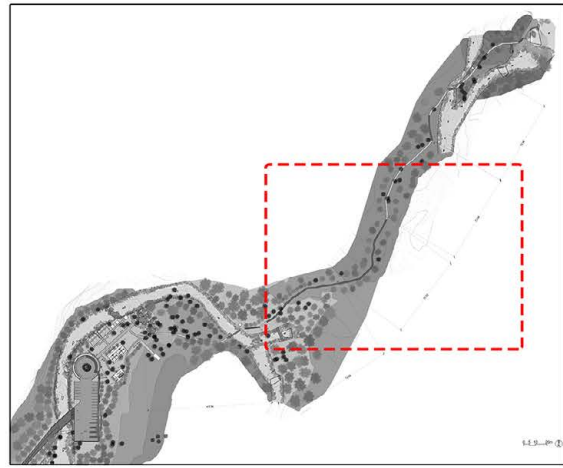
Stone trekking



Stone Stair

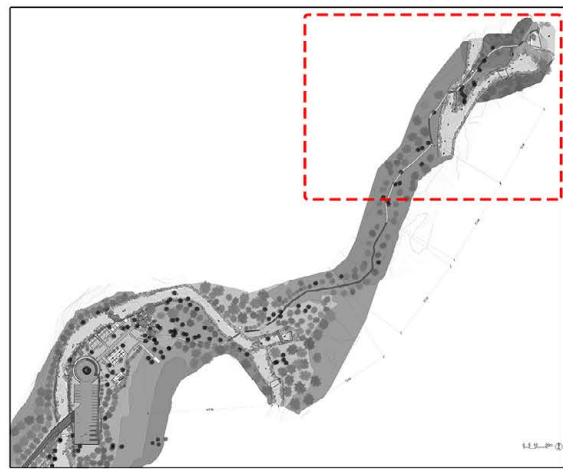


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● Garbage Bin

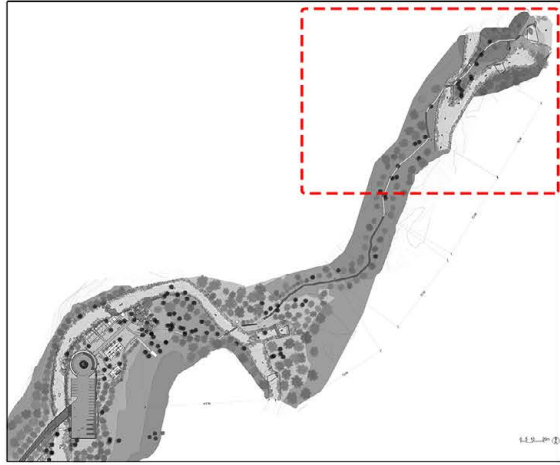




- ① SUBMERGE BRIDGE (ENTRANCE)
- ② PARKING
 Car 20 Units
 Minibus 4 units
 Bike 20 Units
- ③ DINING PAVILION
- ④ KITCHEN (4 Units)
- ⑤ TOILET
- ⑥ BUDDHA STATUE
- ⑦ BRIDGE 1
- ⑧ BRIDGE 2
- ⑨ CHANGING HUT
- ⑩ WATERFALL 1
- ⑪ FOREST WALKWAY (STONE TREKKING)
- ⑫ BRIDGE 3
- ⑬ WATERFALL 2
- ⑭ STAIR
- ⑮ VIEWING DECK
- ⑯ WATERFALL 3 (MAIN)



2nd GMS TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT
SUBPROJECT V2: KAENG YUI WATERFALL ACCESS IMPROVEMENTS



LANDSCAPE DESIGN
ZONE C: HARDSCAPE



Grass pavers



Concrete trowel finish



Stone pattern stamped concrete



Wood plank pattern stamped concrete



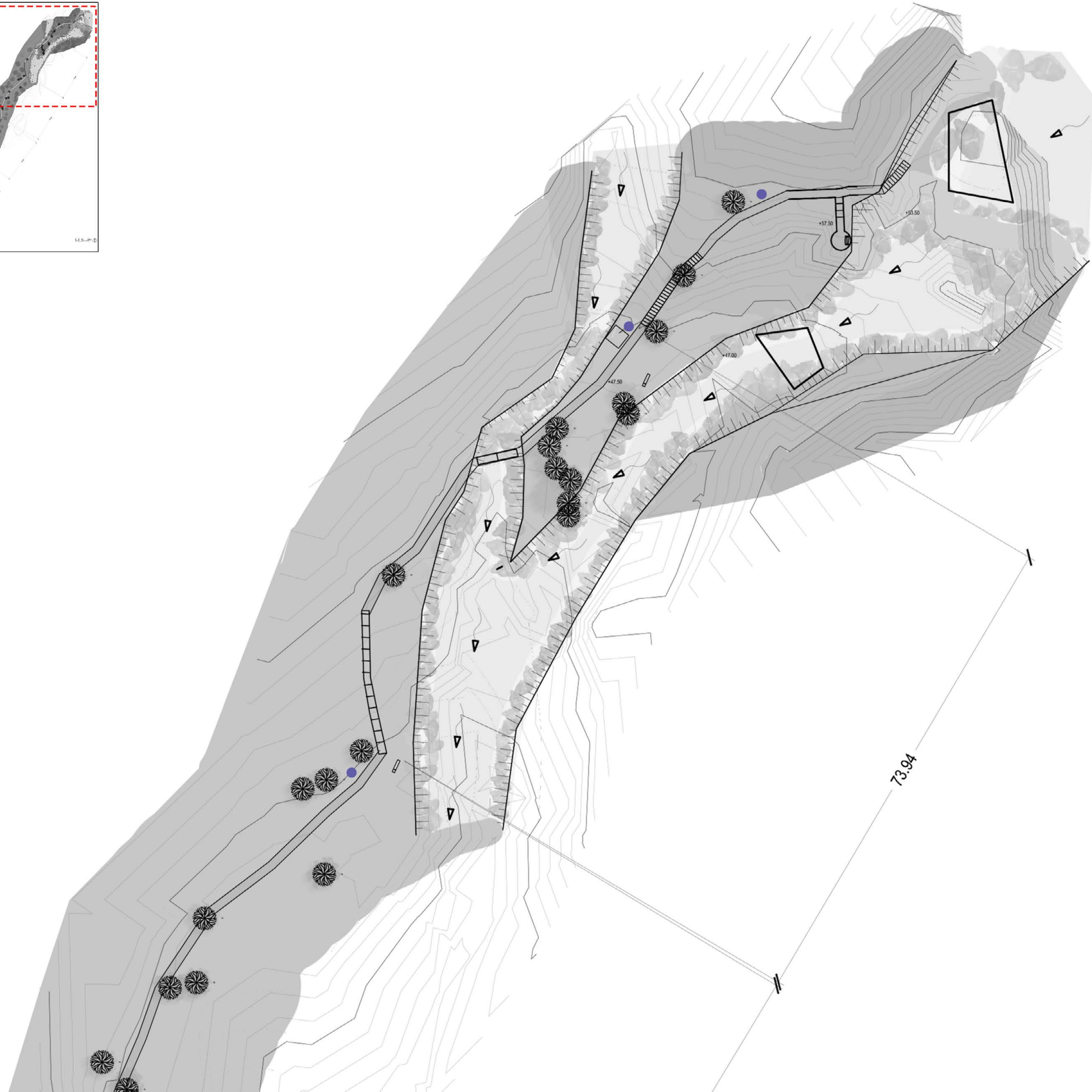
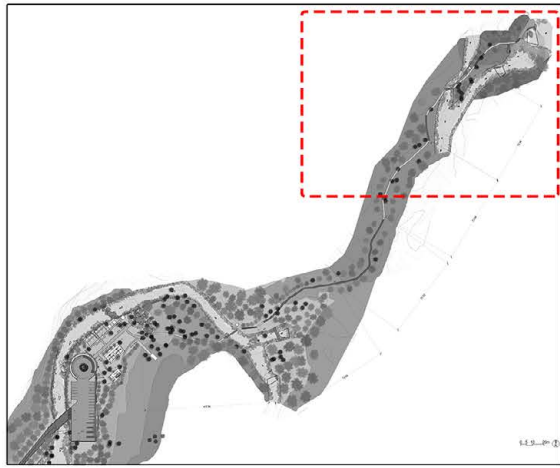
Padauk wood plank



Stone trekking



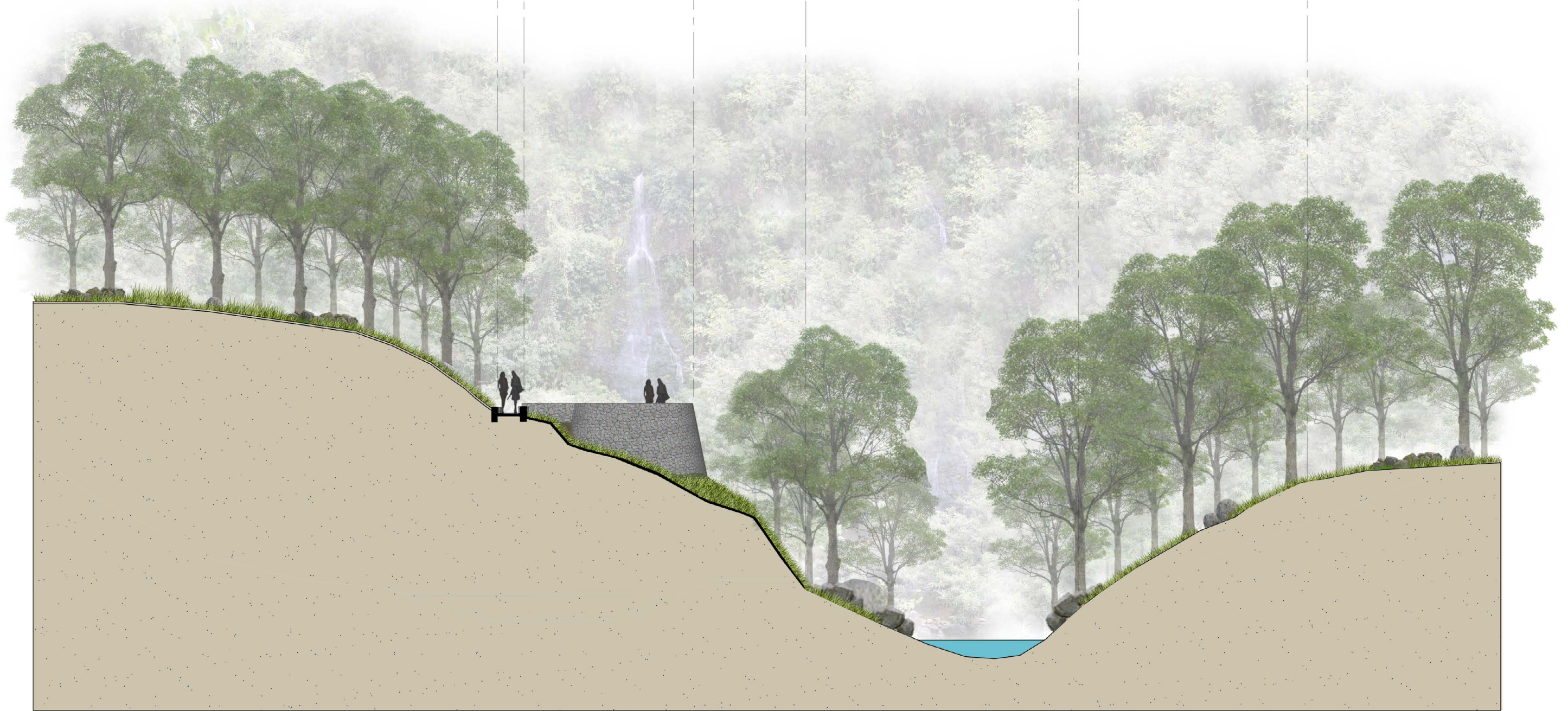
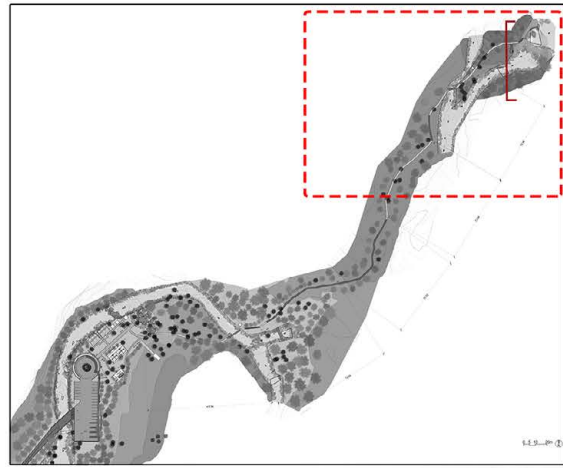
Stone Stair



● Garbage Bin

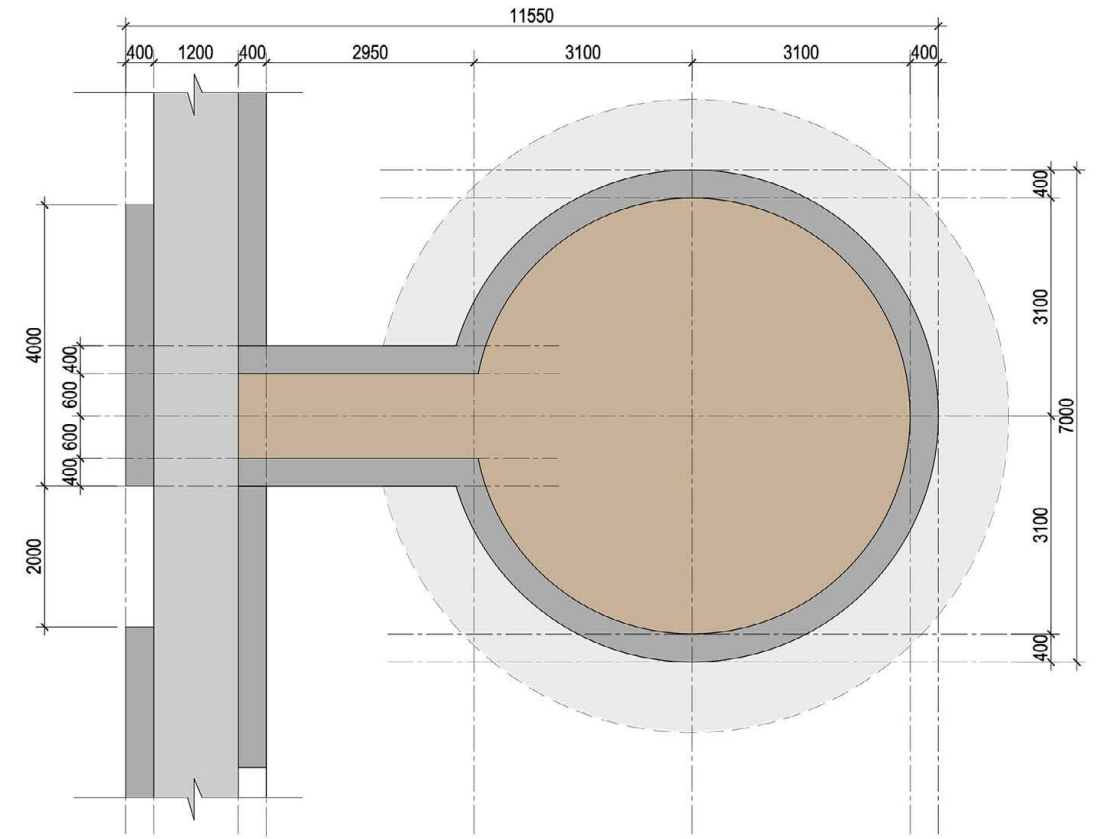


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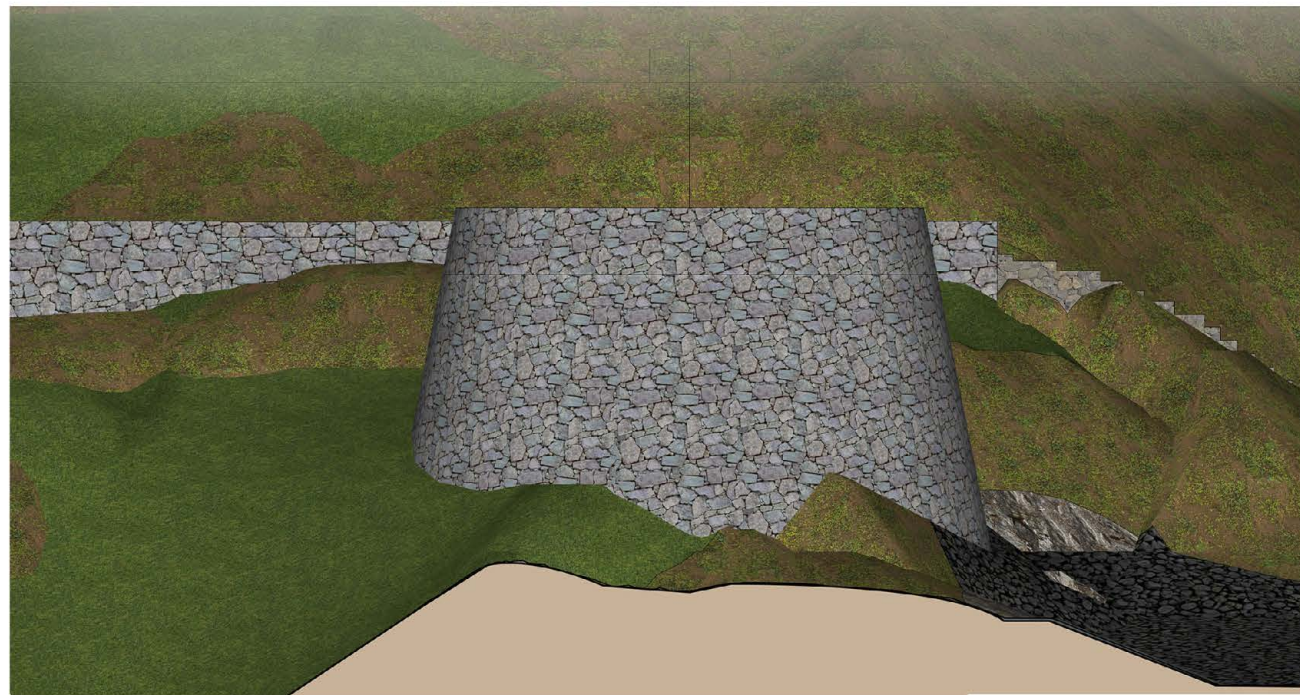




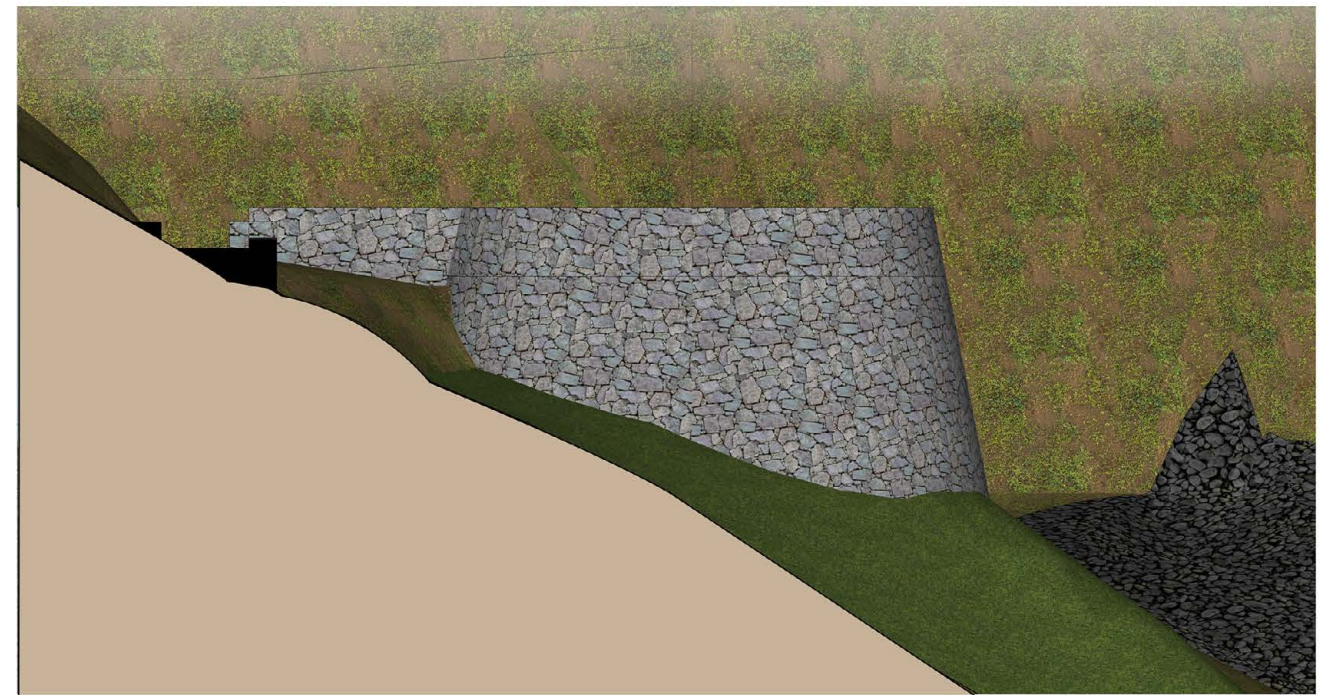
Perspective



Floor Plan



Front Elevation



Side Elevation



Stone Masonry



Stone trekking



























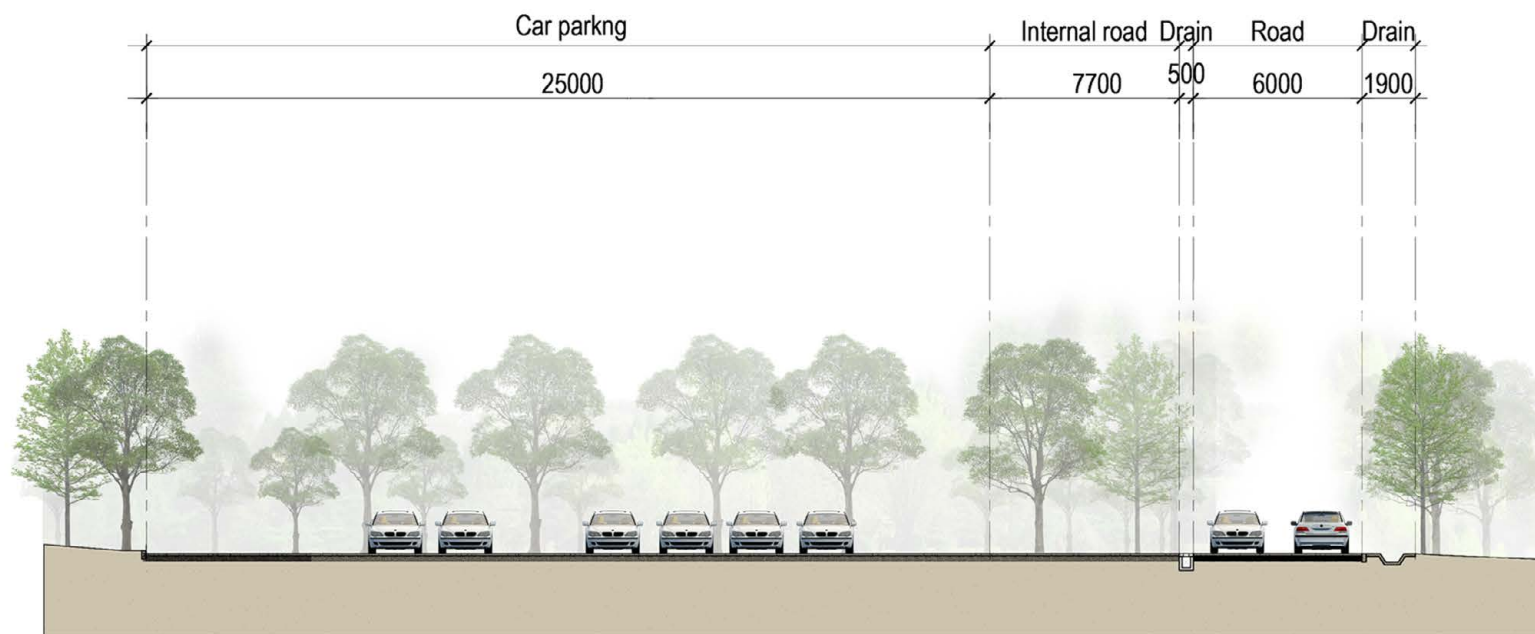
5. OVERFLOW PARKING







PLAN



SECTION



Gravel



Concrete Car stopper



LED Street Light Pole