

Test Project document template

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This Test Project proposal consists of the following documentation/files:

1. TP37_39JP_JP_01_EN_A3.pdf (General Plan A3)
2. TP37_39JP_JP_02_EN_A3.pdf (Dimensional Plan A3)
3. TP37_39JP_JP_03_EN_A3.pdf (Cross Section A3)
4. TP37_39JP_JP_04_EN_A3.pdf (Detail: 1 A3)
5. TP37_39JP_JP_05_EN_A3.pdf (Detail: 2 A3)
6. TP37_39JP_JP_06_EN_A3.pdf (Detail: 3 Blocks A3)
7. TP37_39JP_JP_07_EN_A3.pdf (Detail: 4 Natural stone wall A3)
8. TP37_39JP_JP_08_EN_A3.pdf (Detail: 5 Bamboo Fence A3)

INTRODUCTION

This test project has been designed as it can be marriage of Japanese and Western traditional skills of landscape gardening such as cutting, splitting, paving and building stones.

The water feature in the centre expresses open sea and the design on top of stone paving expresses world map. The two elements make a shape of heart, which means LOVE. It is represent global friendship and peace and human happiness of world people.

Regarding one of important skills of landscape gardening, it is necessary for them that how to find each characteristic of stones, trees, plants and other natural materials and make full use of them. The project has been designed basically with tips of Japanese traditional garden. But it is also bright garden with flowering plants and turf, which can be acceptable to modern house gardens in Japan.

Stone wall express Mt. Fuji, which can be seen in the location of host, Shizuoka pref. .
Rock garden is designed with rocks from eruption of Mt. Fuji.

Moreover, in consideration of the environment, artificial soil which is recycling of Construction by-product is be utilized in the planting area.

It is designed with various shrubs, flowers and plants which were born in Japanese nature with beautiful plenty of seasons.

DESCRIPTION OF PROJECT AND TASKS

WORKING UNIT PREPARATION

One of part of earth retaining brick wall will be installed before the competition.

Behind (9 piece for each course)

Pre-installed: 7 piece of 1st course and 6 piece of 2nd course

Left (7 piece for 2nd each course)

Pre-installed: 5 pieces each of 1st and 2nd course

Competitors will continue to install them and complete as indicated on the plan in their own process of working.

0.7 m³ of soil will be delivered to one space in front of the pre-installed brick wall, 0.8m³ of soil in right hand side behind the wall before the competition. Competitors can use them when they need while the process of working.

3m³ of crushed gravel will be delivered in one space, in the centre of plat form before competition.

Make sure those points before starting of location survey.

WORK SPECIFICATION

LEVELONG THE GROUND

Set up the ground by using soil and crushed gravel.

POND / SHORE

Install liner and fleece in it as indicated on the plan.

Pick up small and large 5 stones provided as stone wall, and then put them into pond and shore.

Put cobble stone (Large, Medium and Small) in pond and shore.

Plant bog plants in the shore.

The edge of lawn to the shore will be cut as indicated on the plan, and then put small gravel into joint between lawn and cobble stone.

Release gold fish.

BLOCKS AND STONE STEPS

Blocks and Stone steps

Install granite stones as indicated on the plan.

Insert some part of blocks into natural stone

STONE WALL

Build curvilinear stone wall as indicated on the plan.

Put gravel behind stone wall.

Wall fountain (ready to install) will be provided. Competitors do not have to make it. They will only install it as indicated on the plan.

Install feed water hose.

PAVING STONE

Pave sand plate stones. Their shapes of stones from overhead view will be natural finished.

STONE BLOCK PAVING

Pave natural stone block as indicated on the plan.

ROCK GARDEN

Install volcanic rocks (Large, Medium and Small) as indicated on the plan.

Plant some flowering plants and put wooden chip into the blank space.

BAMBOO FENCE

Build the fence by using timbers and bamboos provided as indicated on the plan.

PLANTING

Plant trees and shrubs provided, by following the plan. Install them with only soils. Competitors can prune or trim them if needed.

Put artificial soil (recycling of Construction by-product) and leaf soil into the joints between block and stone wall.

Put soil into holes of earth retaining blocks.

FLOWER BED

Plant flowers and plants as indicated on the plan. Competitors do not have to use all of them.

Cover with wooden chips on the planting area.

Some parts do not have measurement. Competitor design as indicated on the plan.

INSTRUCTIONS TO THE COMPETITOR

The system of units of measurement in all the plans is metric.

All indicated measurements on the plan are mm (millimeter).

EQUIPMENT, MACHINERY, INSTALLATIONS AND MATERIALS REQUIRED

Item Qty Material Description Notes

1. 32 Blocks AB-Rock-Concrete Block Wall
2. 2 Blocks AB-Rock-Concrete Block Wall For right
3. 2 Blocks AB-Rock-Concrete Block Wall For left
4. 30 sacks Humus Soil (40l.)
5. 30 sacks Soil (25l.)

6. 2.5t Stone For Natural stone wall L400-600, L300-400, L150-300
7. 1 Stone For Wall fountain L300 500
8. 1 Water Hose For Wall fountain 10m
9. 0.4 m³ Stone slabs
10. 3 sacks Dry Cement
11. 14 Stone slabs 600×700
12. 0.6 m³ Sand
13. 180 Granite blocks 90×90 White
14. 3 Granite stones 200×150×900
15. 1 Granite stone 300×150×900
16. 1 Granite stone 300×130×900
17. 1 Granite stone 300×130×700
18. 31 sacks Stone for Stone and Gravel Shore
19. 3 Rolls Protective sheets
20. 20 m² Waterproof sheets
21. 13 m² Rolled lawn
22. 25 Conifer For Hedge
23. 3 Deciduous tree
24. 1 Evergreen tree
25. 1 Evergreen shrub
26. 4 Conifer
27. 28 Ground cover plants
28. Flowering plants (necessary quantity)
29. 10 Volcanic rocks For Rock Garden
30. 3 Timber 90×90×1500 For Bamboo Fence
31. 4 Timber 90×45×1500 For Bamboo Fence
32. 40 bamboo 45×1800 For Bamboo Fence
33. 14 Metal fittings W60×90 For Bamboo Fence
34. 60 screws 4.2×50
35. 90 screws 4.2×38
36. 5 sacks Woodchip
37. 1 Straight edge 1,800mm
38. 3 Composite panels 900×1800
39. 1 Wheelbarrow
40. 1 Plate
41. 1 Circular saw
42. 10 Tracing pegs 45×36×1000
43. 6 Rafters 3,000mm
44. 10 Tracing irons ϕ 10mm×900mm
45. Water hose with stop valve 20m
46. 2 Spades
47. 2 Big shovels
48. 2 Middle shovels
49. 2 Rakes

- 50. 1 Broom
- 51. 1 Winnow
- 52. 1 Electric drill
- 53. 1 Reel of wire
- 54. 1 Watering can
- 55. 1 Bucket
- 56. 2 Squared timbers $90 \times 90 \times 500$
- 57. 1 box Nails 65mm,45mm
- 58. 6.5 m^3 Sand
- 59. 3 m^3 Gravel

The team must bring all additional equipment this may include:

- Levelling instruments (e.g. auto level, laser level)
- Double meter, tape measure
- Pencil / greasy chalk
- Alignment string
- Plumb line
- Lump hammer
- Trowel
- Mason's hammer
- Square
- Spirit level
- Point tools
- Bolster
- Jointer
- Carpenters saw
- Wood chisels
- Mallet
- Spade
- Pruning shears
- Pruning saw
- Personal protection material (glasses, ear protection, gloves, safety boots etc.)

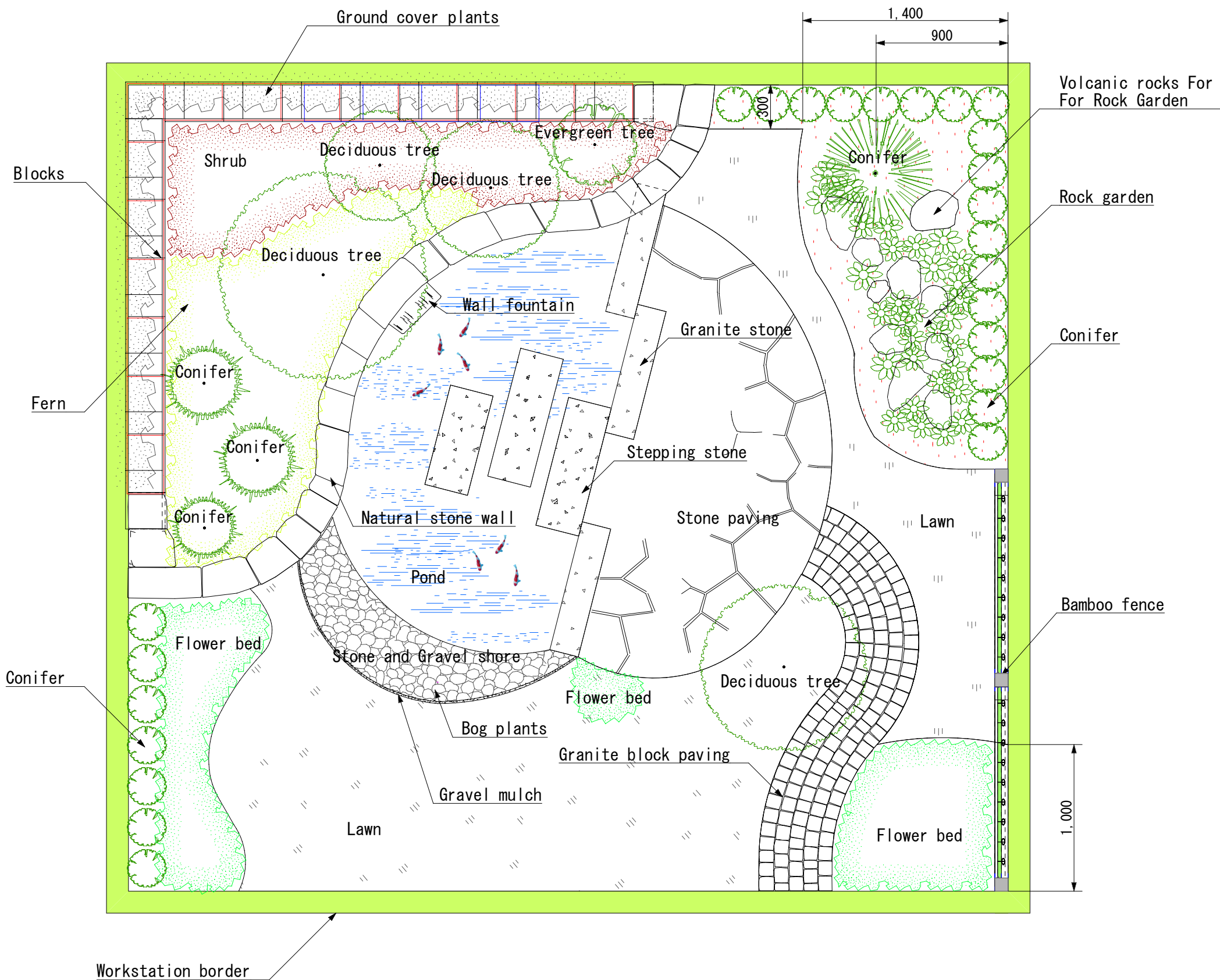
This list is not intended to be exhaustive, additional equipment may be included as the teams deem necessary,

MARKING SCHEME


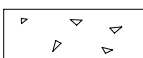
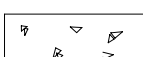
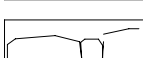

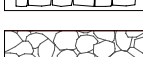




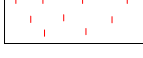
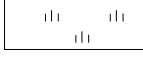







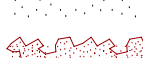

The experts will provide the marking scheme according to the Technical Description:

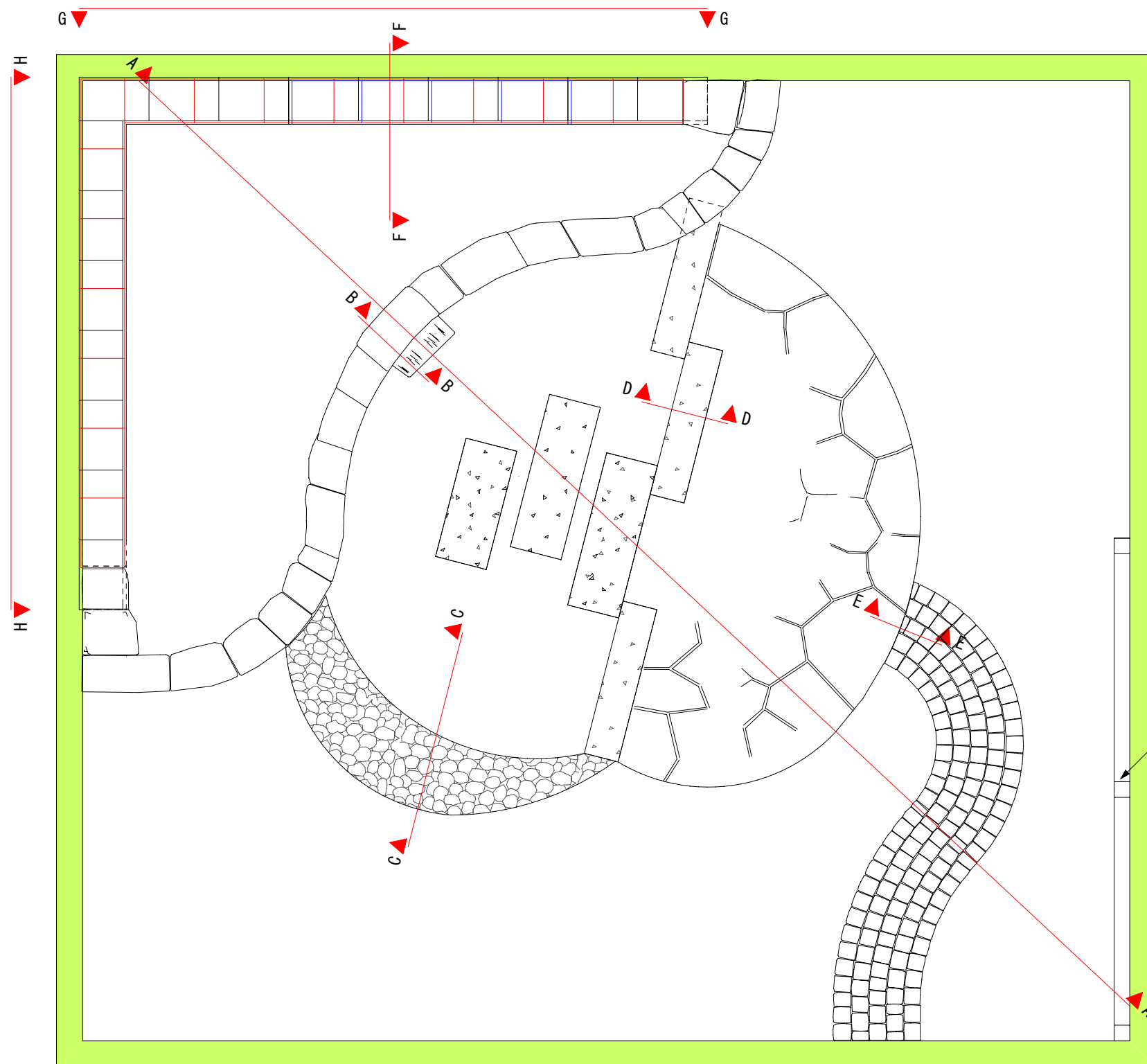
- A. Measurement 10 points
- B. Work process 10 points
- C. Dimensions 10 points
- D. Layout of green space 20 points
- E. Horizontal construction 20 points
- F. Vertical construction 20 points
- G. General impression 10 points

OTHER



LEGEND :

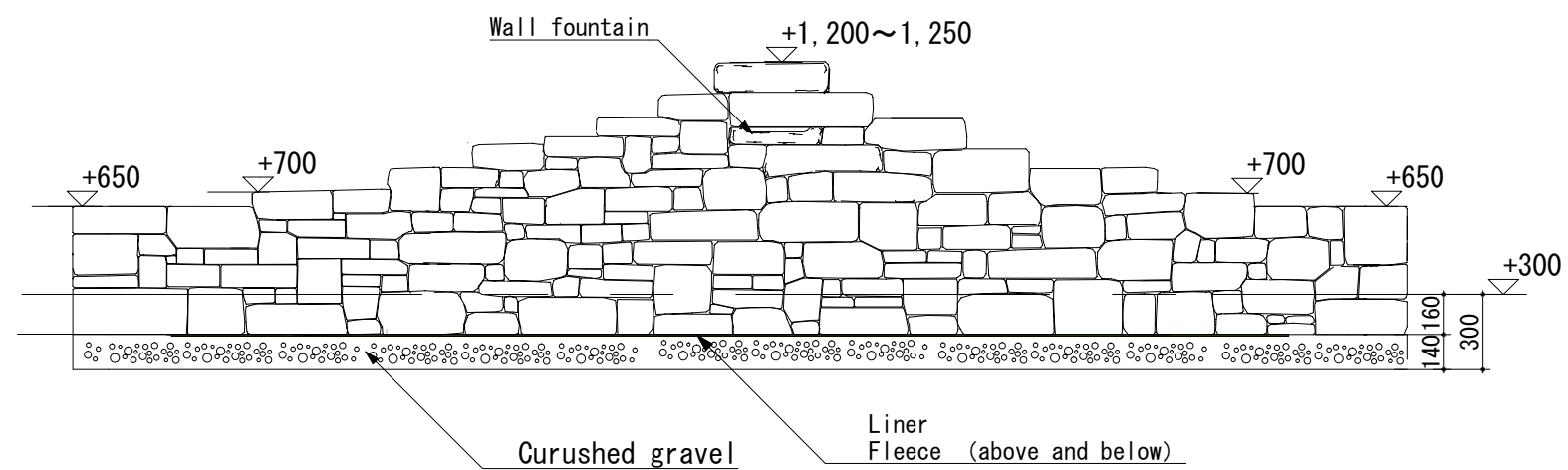
-  Stone paving
-  Granite stone
-  Stepping stone
-  Natural stone wall
-  Granite block paving
-  Stone and Gravel shore
-  Blocks
-  Workstation border
-  Pond
-  Bamboo fence
-  sacks Woodchip
-  Lawn
-  Conifer
-  Flower bed
-  Evergreen tree
-  Deciduous tree
-  Conifer
-  Ground cover plants
-  Shrub
-  Fern
-  Flower bed
-  Rock garden



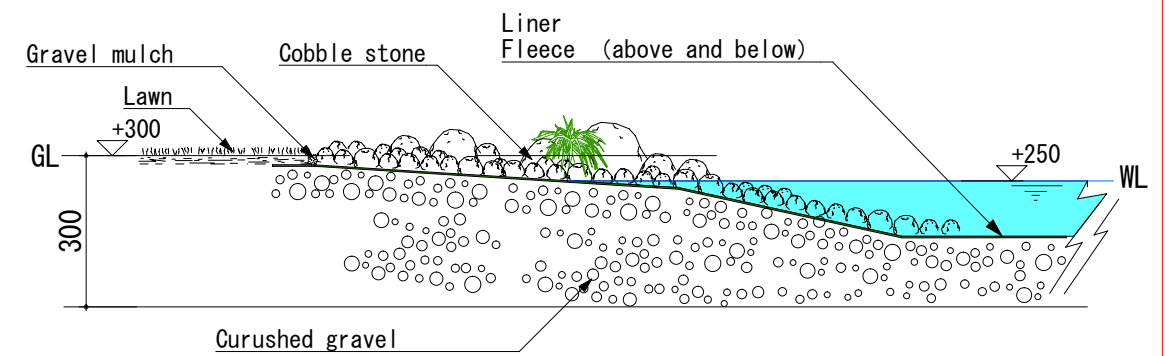
A ▲	▲ A	Section A-A
B ▲	▲ B	Section B-B
C ▲	▲ C	Section C-C
D ▲	▲ D	Section D-D
E ▲	▲ E	Section E-E
F ▲	▲ F	Section F-F
G ▲	▲ G	Section G-G
H ▲	▲ H	Section H-H

Bamboo fence

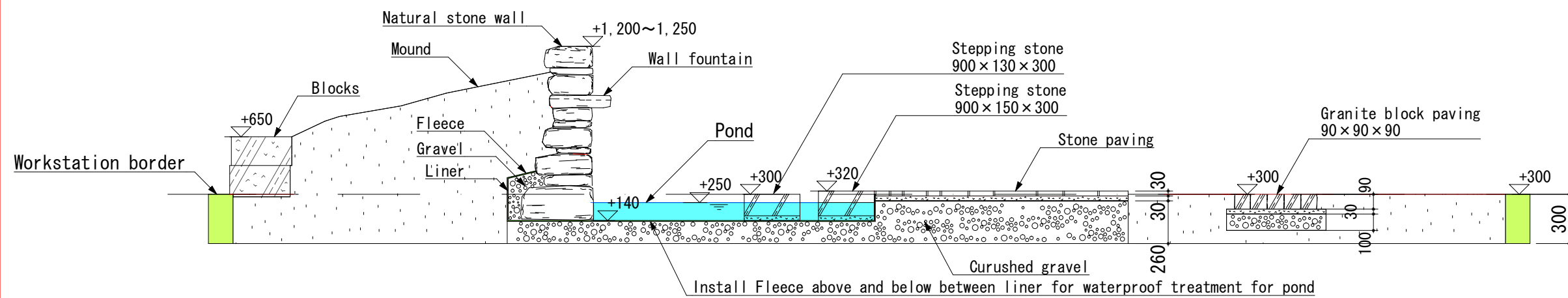
Elevation view



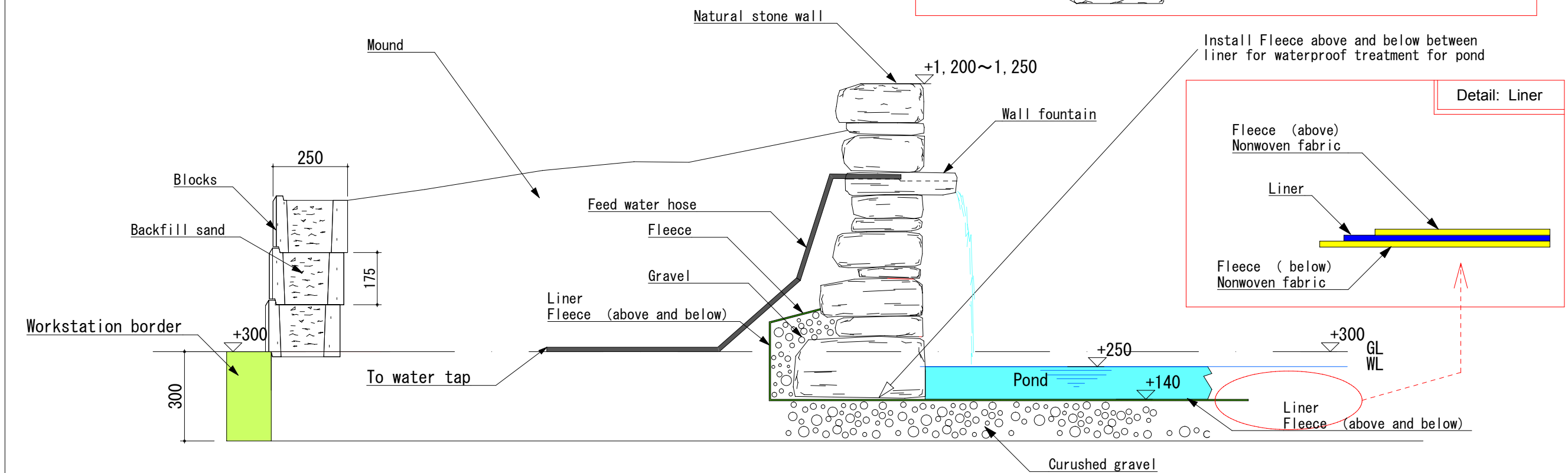
C ▲ ▲ C Section C-C



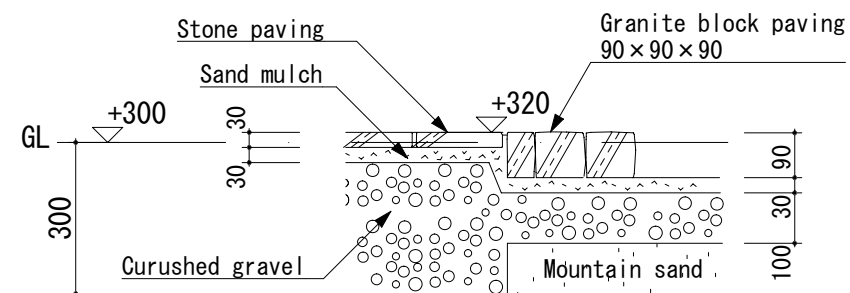
A ▲ ▲ A Section A-A



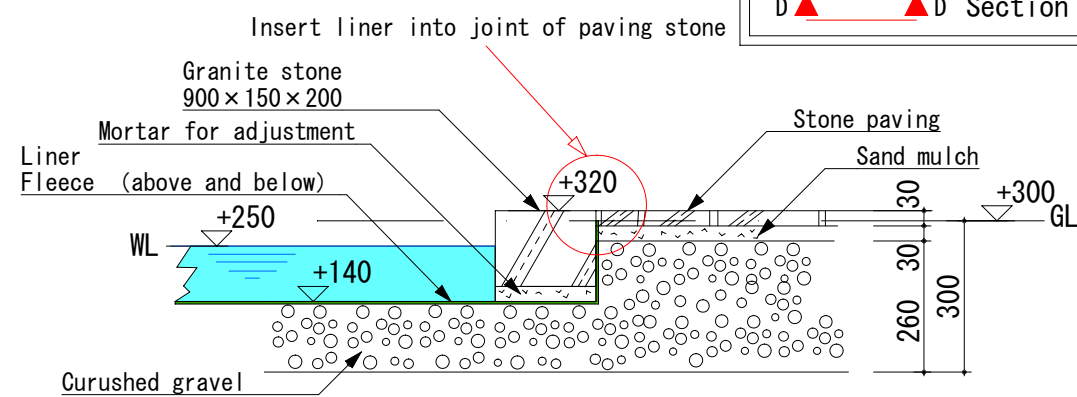
Detail: Natural stone wall



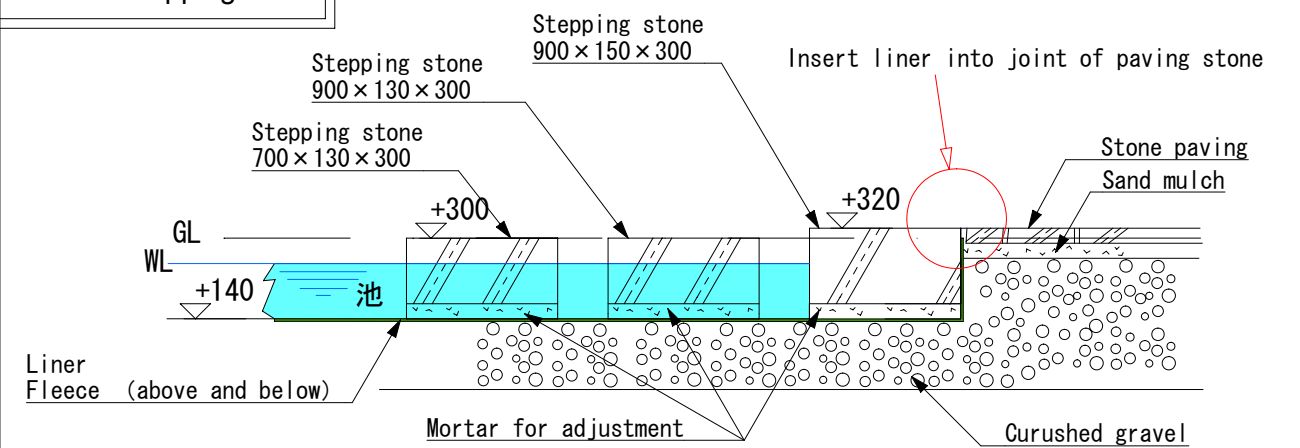
E ▲ E Section E-E

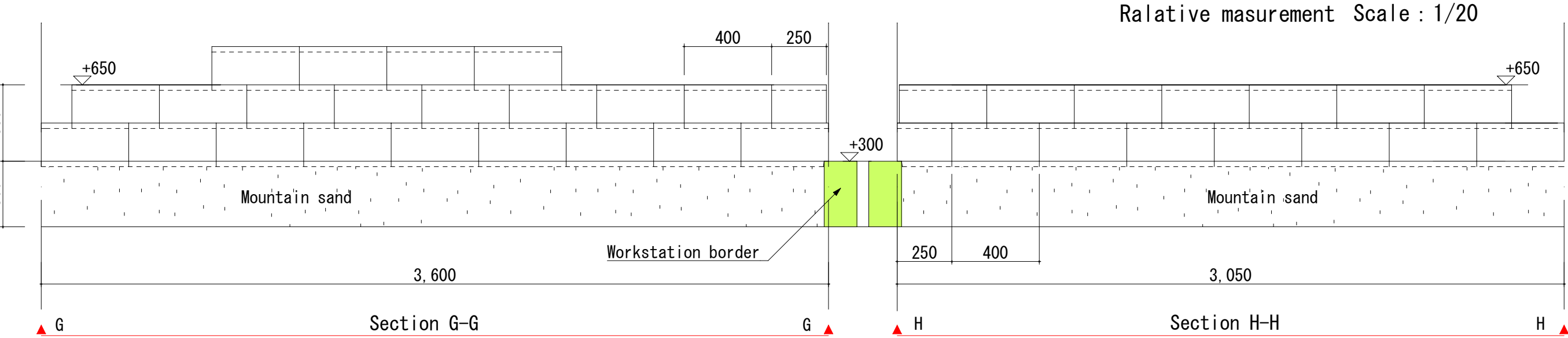
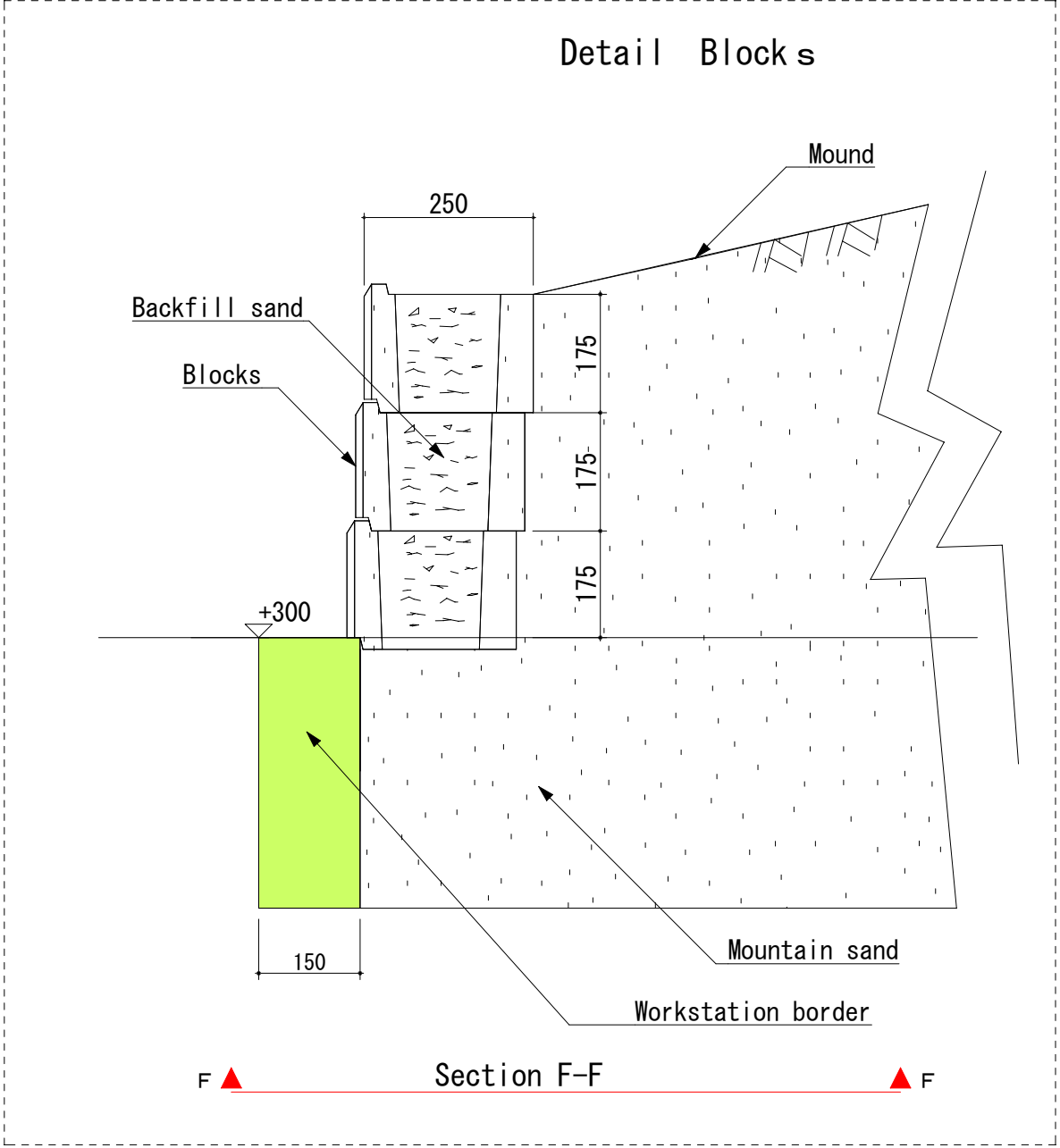
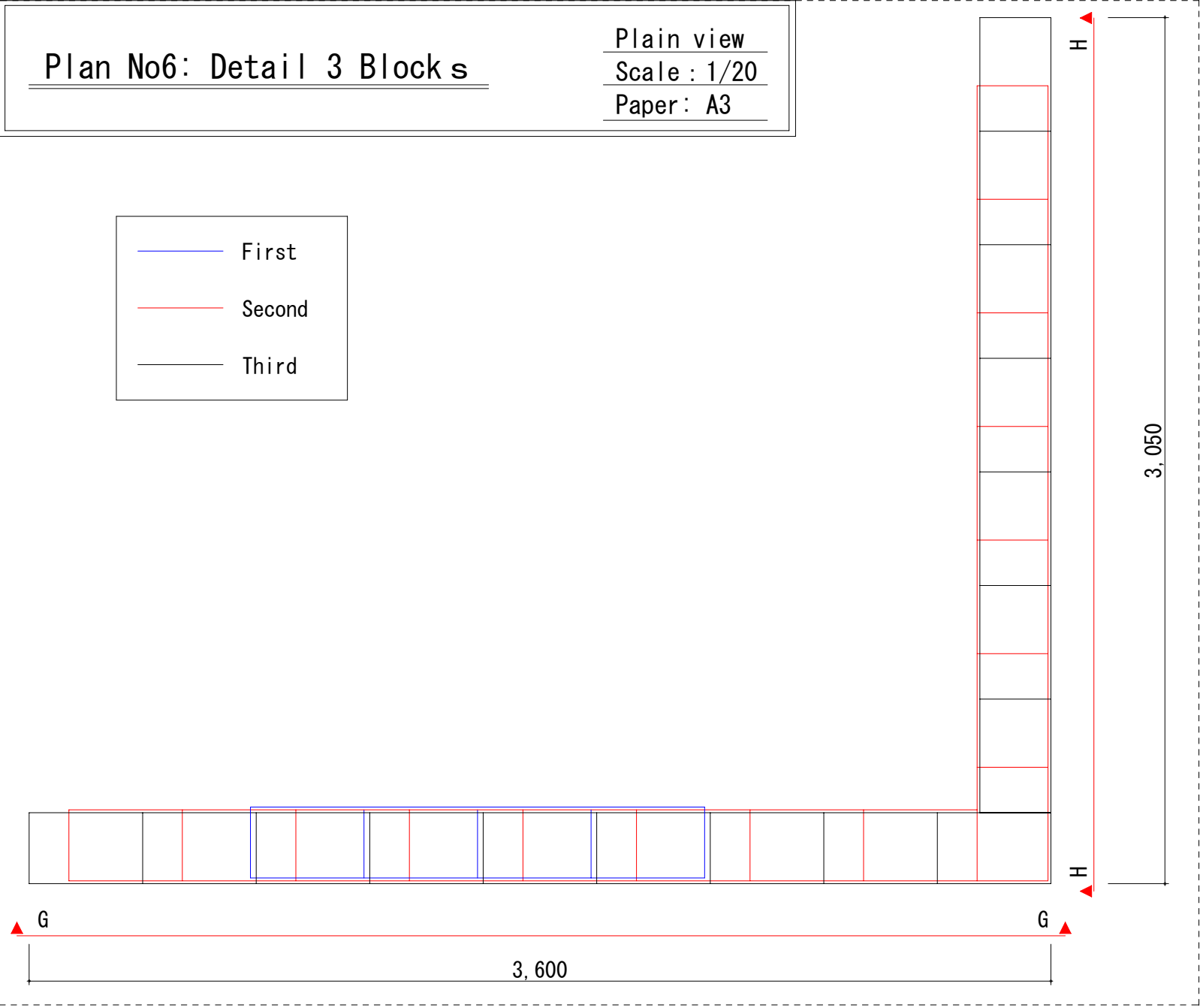


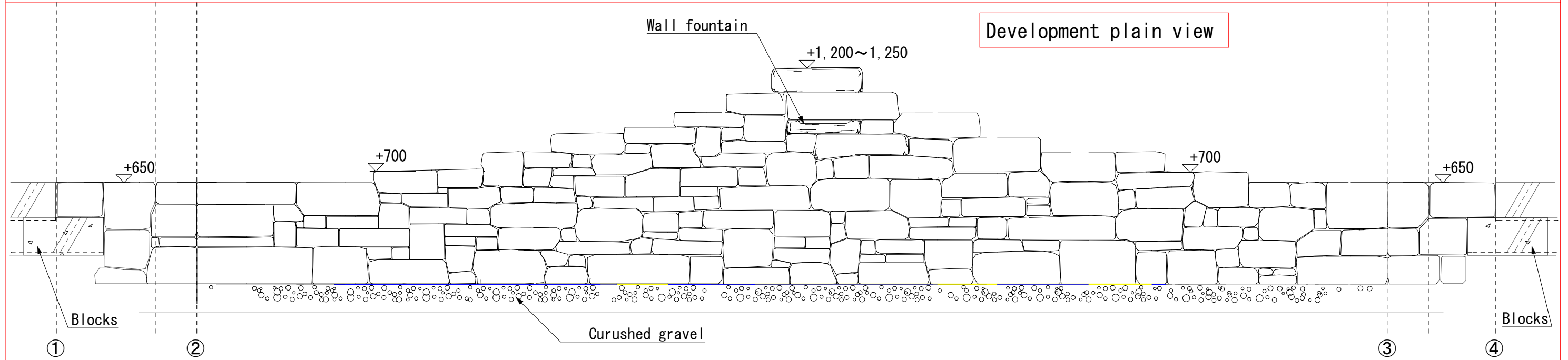
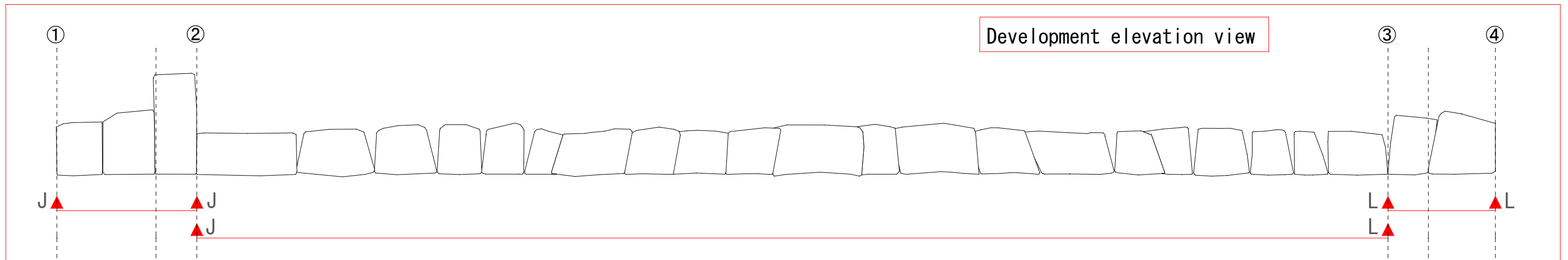
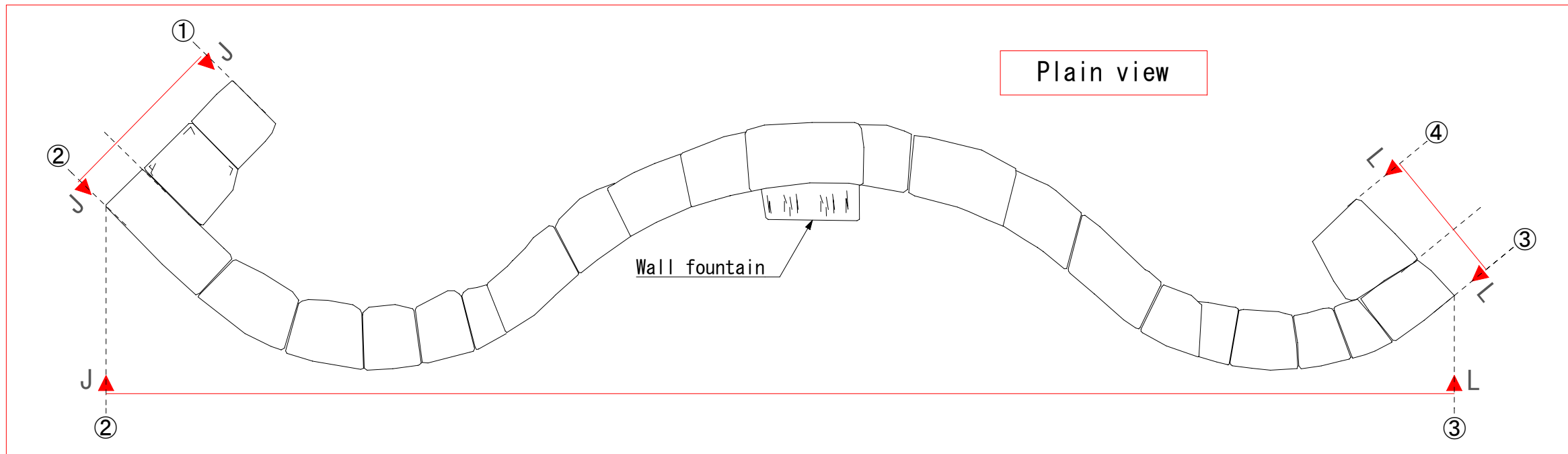
D ▲ D Section D-D



Detail: Stepping stone







Fixing tag
Screw fixation 4.2×32

Timber 45×90

Timber
(Depth 15mm)
Install bnboo bar (Vertical) in
Screw fixation 4.2×50

Bamboo Bar (horizontal row)
Double slit bamboo bars

Post 90×90

Bamboo Bar (vertical row)
Double slit bamboo bars

Process of cutting
ditches (depth 15mm)
Install Bamboo (horizontal) in

Section F

Post 90 × 90

Timber 45 × 90

Fixing tag
Screw fixation 4.2 × 32

Fixing tag
Screw fixation 4.2×32

Technical drawing of a bamboo fence structure. The drawing shows a cross-section of the fence assembly. Key components and labels include:

- Fixing tag Screw fixation 4.2×32** : Labels pointing to the screws securing the vertical posts to the base.
- Bamboo Bar (horizontal row)**: Label pointing to the horizontal bamboo strips.
- Bamboo Bar (vertical row)**: Label pointing to the vertical bamboo strips.
- Post 90×90** : Label pointing to the vertical support post.
- Timber 45×90** : Label pointing to the base timber beam.
- Workstation border**: Label pointing to the base structure.
- A** and **B**: Section line markers. 'A' is at the base, and 'B' is at the top.
- +300 GL**: Elevation marker indicating the ground level (GL) is 300 units above the base.

Timber with ditches as in dot-line will
(Depth 15mm)

Install Bamboo(horizontal) in
Screw fixation 4.2×50