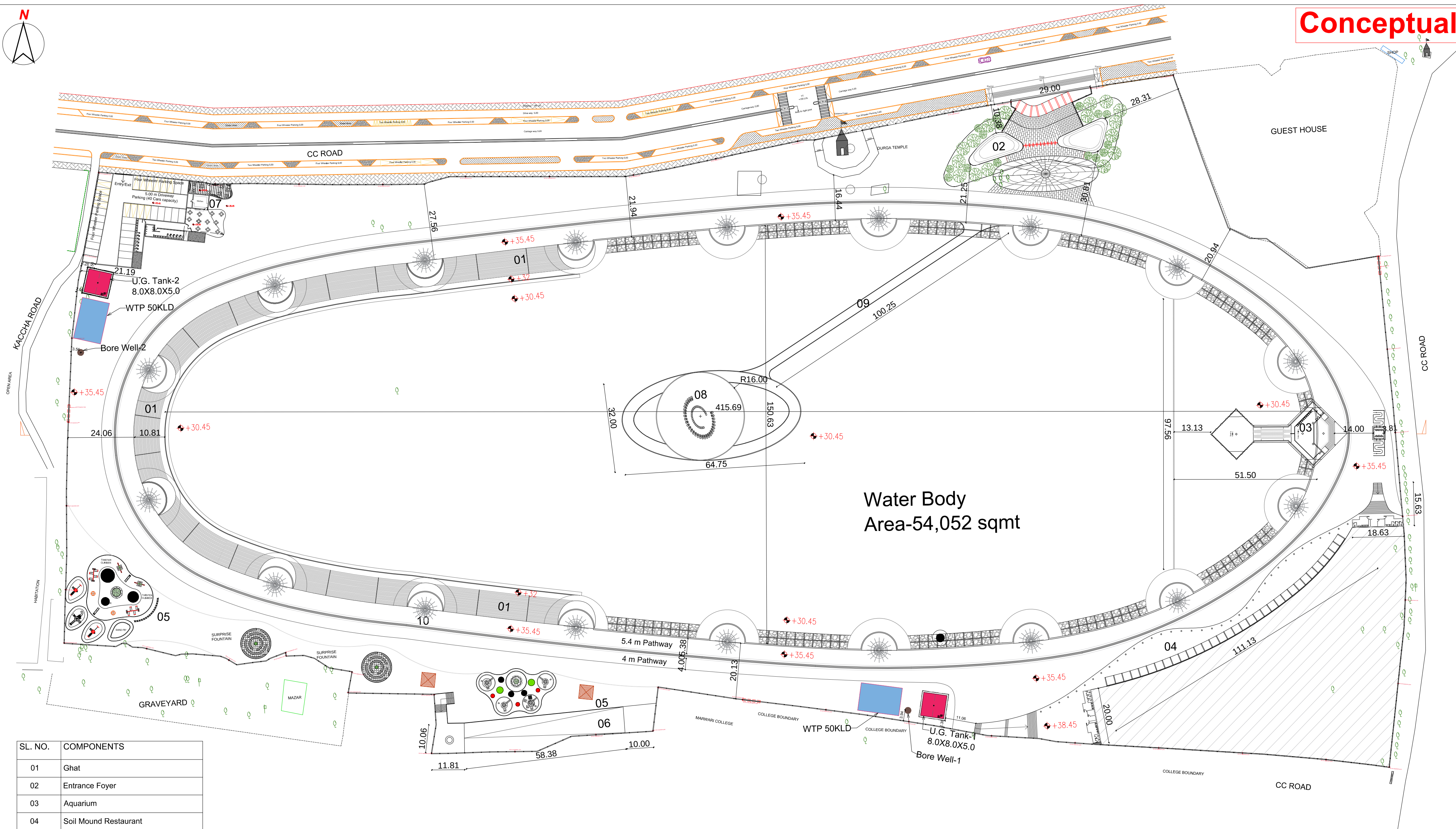


Conceptual



| SL. NO. | COMPONENTS            |
|---------|-----------------------|
| 01      | Ghat                  |
| 02      | Entrance Foyer        |
| 03      | Aquarium              |
| 04      | Soil Mound Restaurant |
| 05      | Children Play Area    |
| 06      | Zorbing               |
| 07      | Semi open cafe        |
| 08      | Water Curtain Show    |
| 09      | Glass Bridge          |
| 10      | Shaded Avenue         |

| COMPONENTS          | LENGTH IN RUNNING METER |
|---------------------|-------------------------|
| COMPOUND WALL       | 1051.06 M               |
| TOY TRAIN TRACK     | 1030.81 M               |
| POND RUNNING LENGTH | 987 M                   |
| GHAT RUNNING LENGTH | 346.17 M                |

|                                                                                                                                                                       |  |                                                                                              |  |                                                                       |  |                                                    |  |                                                |  |        |  |           |  |                        |  |                                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|----------------------------------------------------|--|------------------------------------------------|--|--------|--|-----------|--|------------------------|--|--------------------------------------------------------------|--|
| PROJECT NO. : YCC-KCPL-SC (JV)<br>Project Name: Rejuvenation of Bhairav Talab                                                                                         |  | CONSULTANTS :<br>Design Consultant : D                                                       |  | Structure: Shapath Designers & Consultants Pvt. Ltd.<br>Electrical: E |  | Reference Drawing:<br>No.   Drg. No.   Sheet Title |  | Revision History:<br>No.   Date   Remarks   By |  | NOTES: |  | KEY PLAN: |  | Approval:<br>Date   By |  | Scale:                                                       |  |
| PAREKH ASSOCIATES<br>2nd Floor - Shree Complex, 1-Azad Society,<br>Ambawadi, Ahmedabad-380015. Telefax: 079 -<br>26762838 email: abadarch@gmail.com                   |  | Project Architect : A<br>Parekh Associates<br>Tel: 079 - 26762838, Email: abadarch@gmail.com |  | Landscape: Q<br>Parekh Associates                                     |  | Others:                                            |  | [91.07.02.2022] Site Plan [Soft Copy]          |  |        |  |           |  |                        |  | Sheet Title: Site Plan<br>Drawing No.: AFLR_2021_16_A0.01_R0 |  |
| This drawing is the property of PA. It should not be copied, reproduced, lent or used for any other purpose than specified without prior permission of PA in writing. |  |                                                                                              |  |                                                                       |  |                                                    |  |                                                |  |        |  |           |  |                        |  | DATE : 22/02/2022                                            |  |



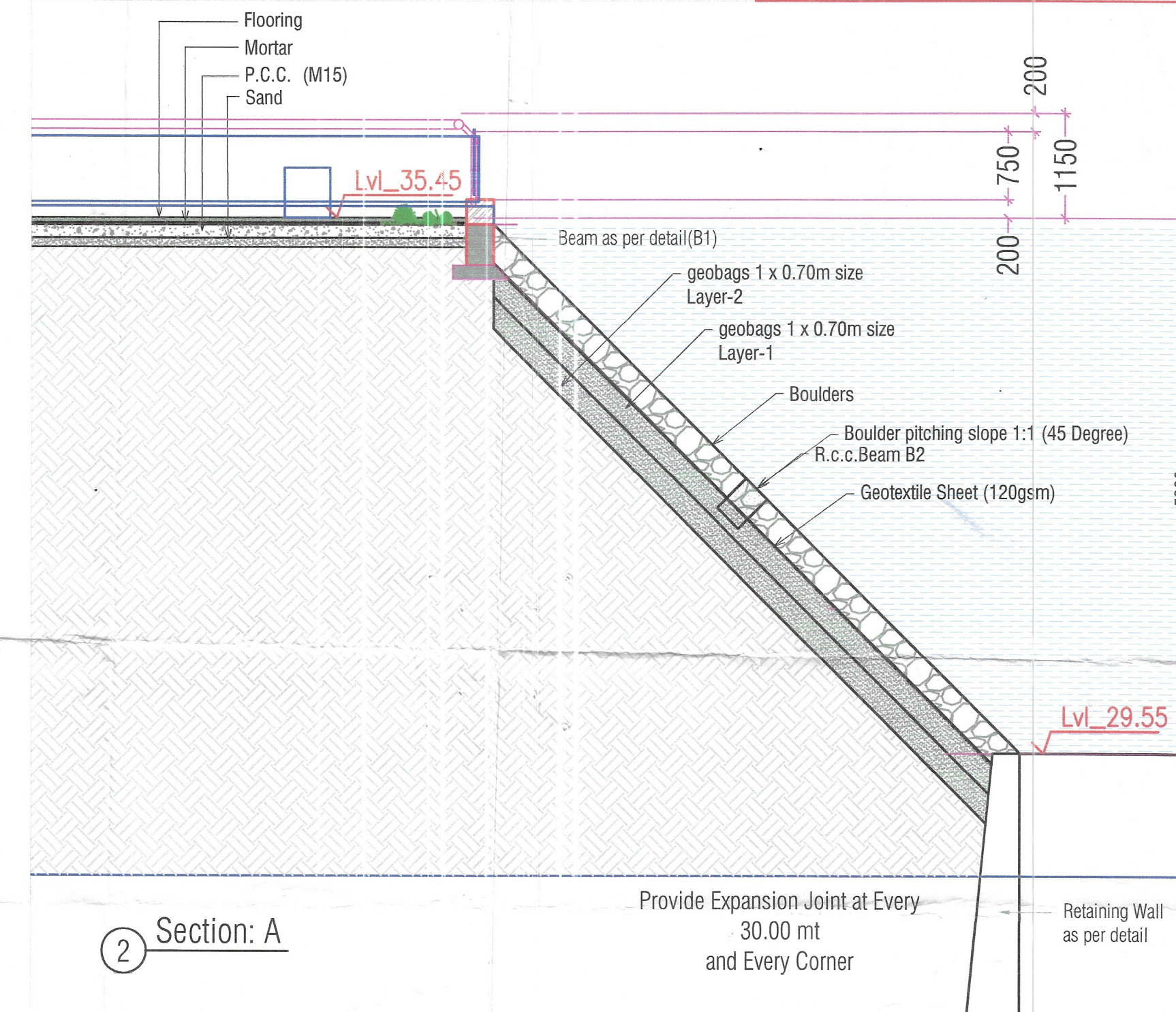
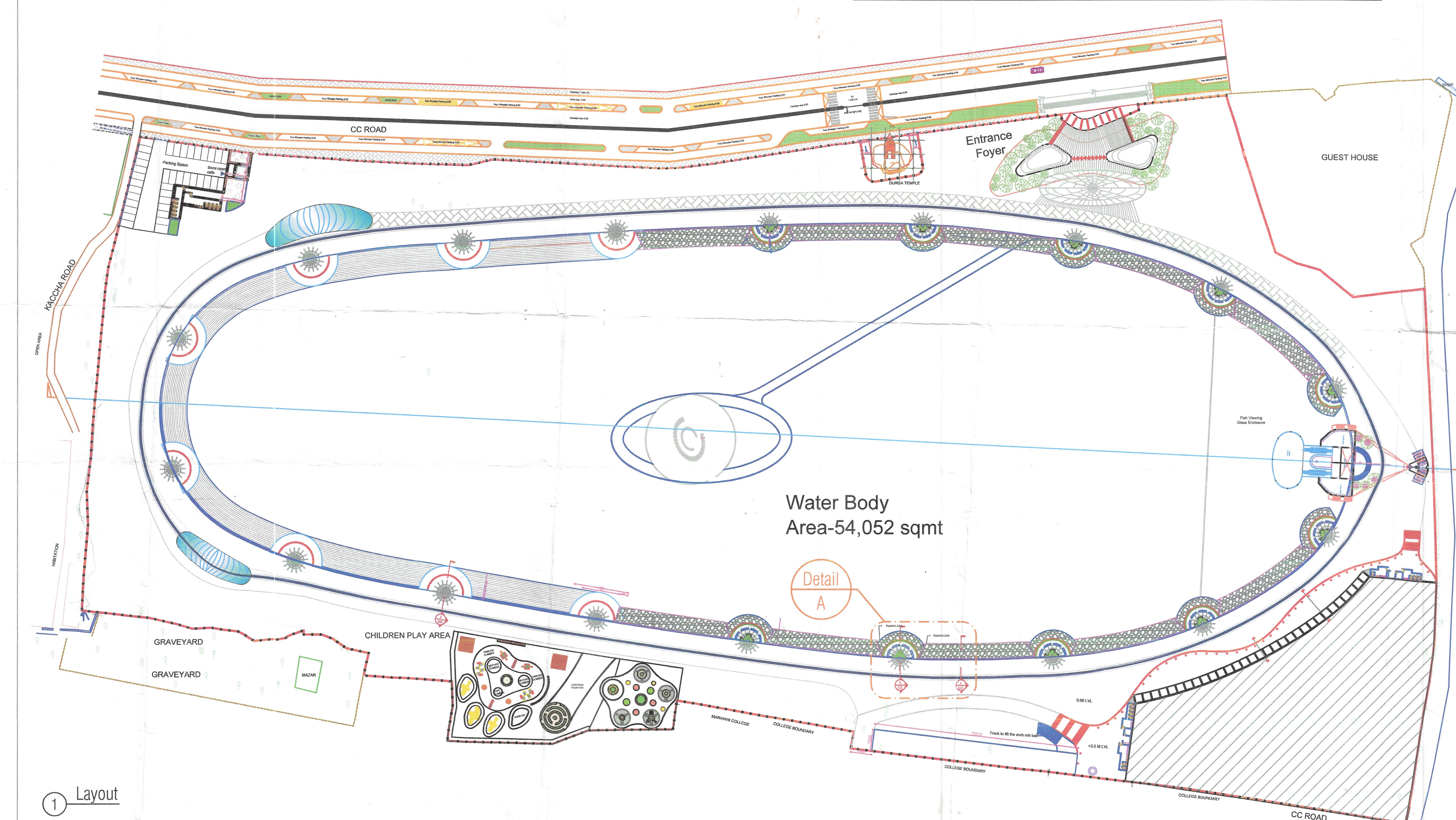
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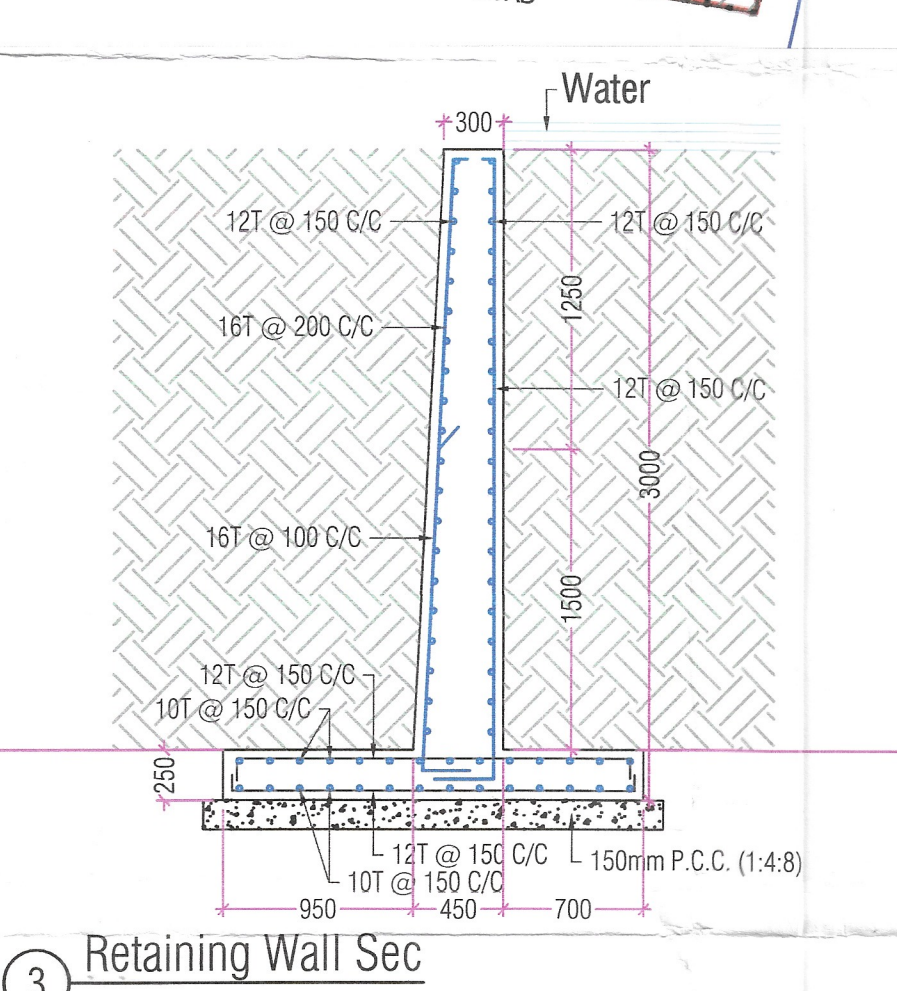
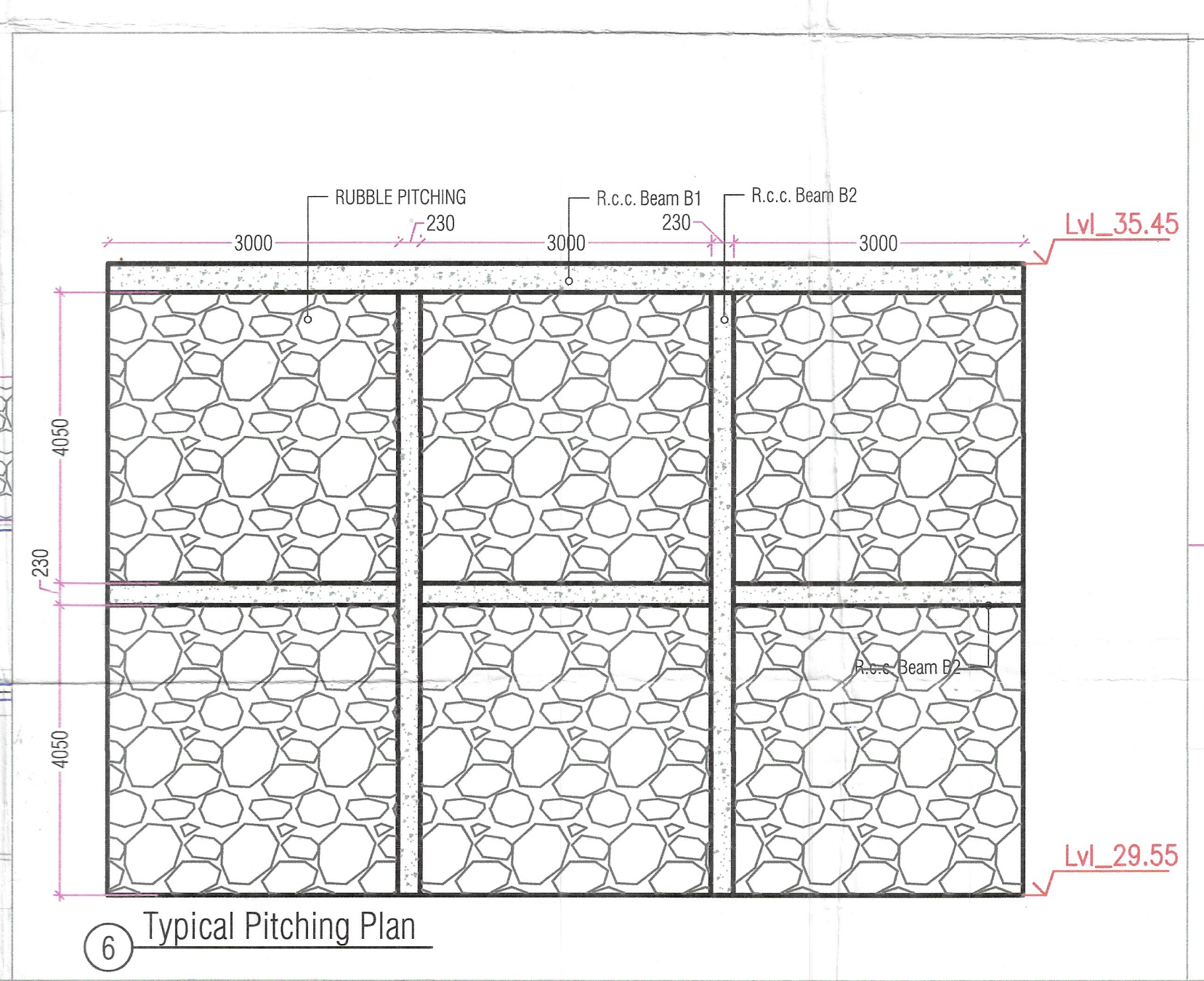
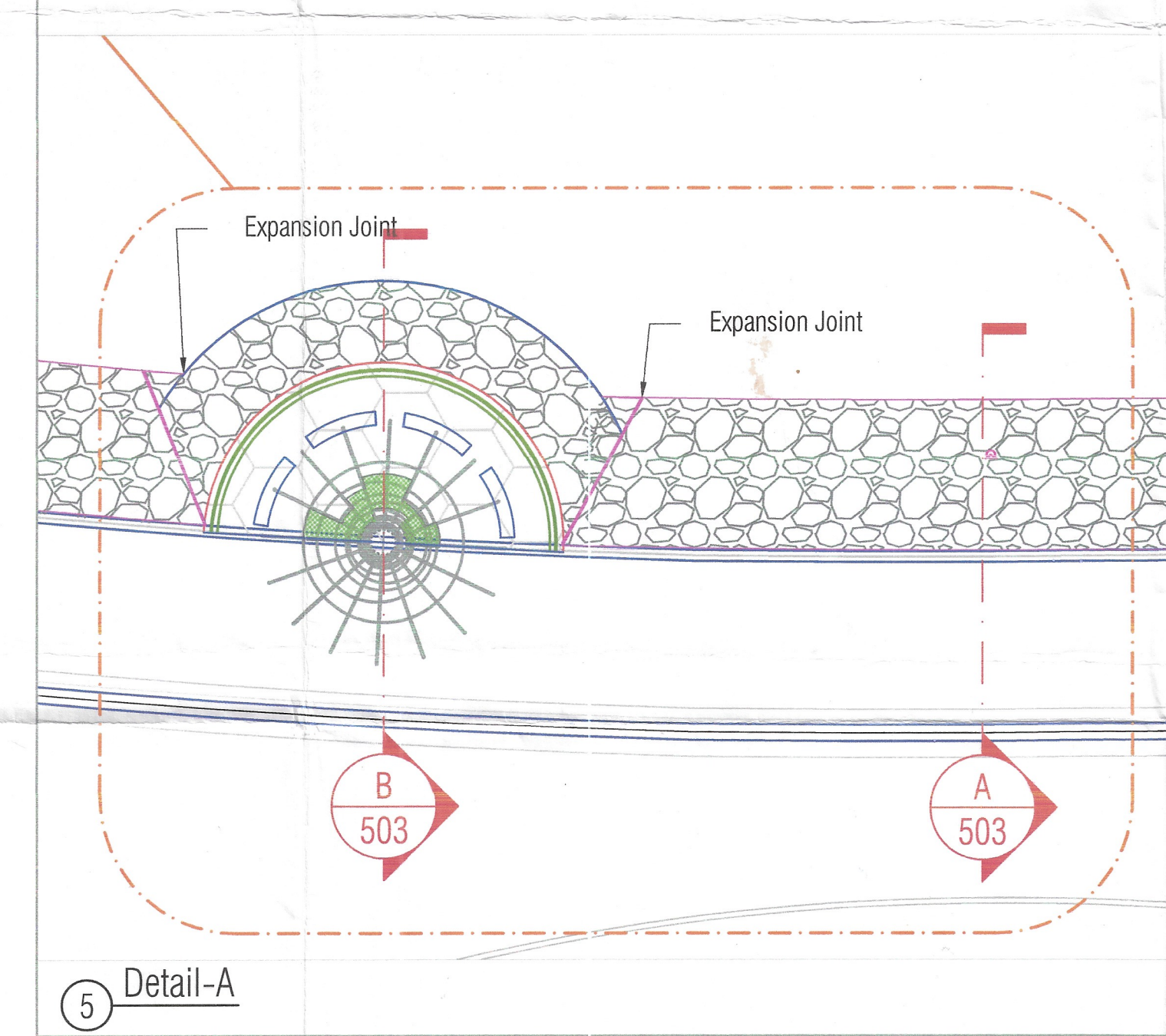
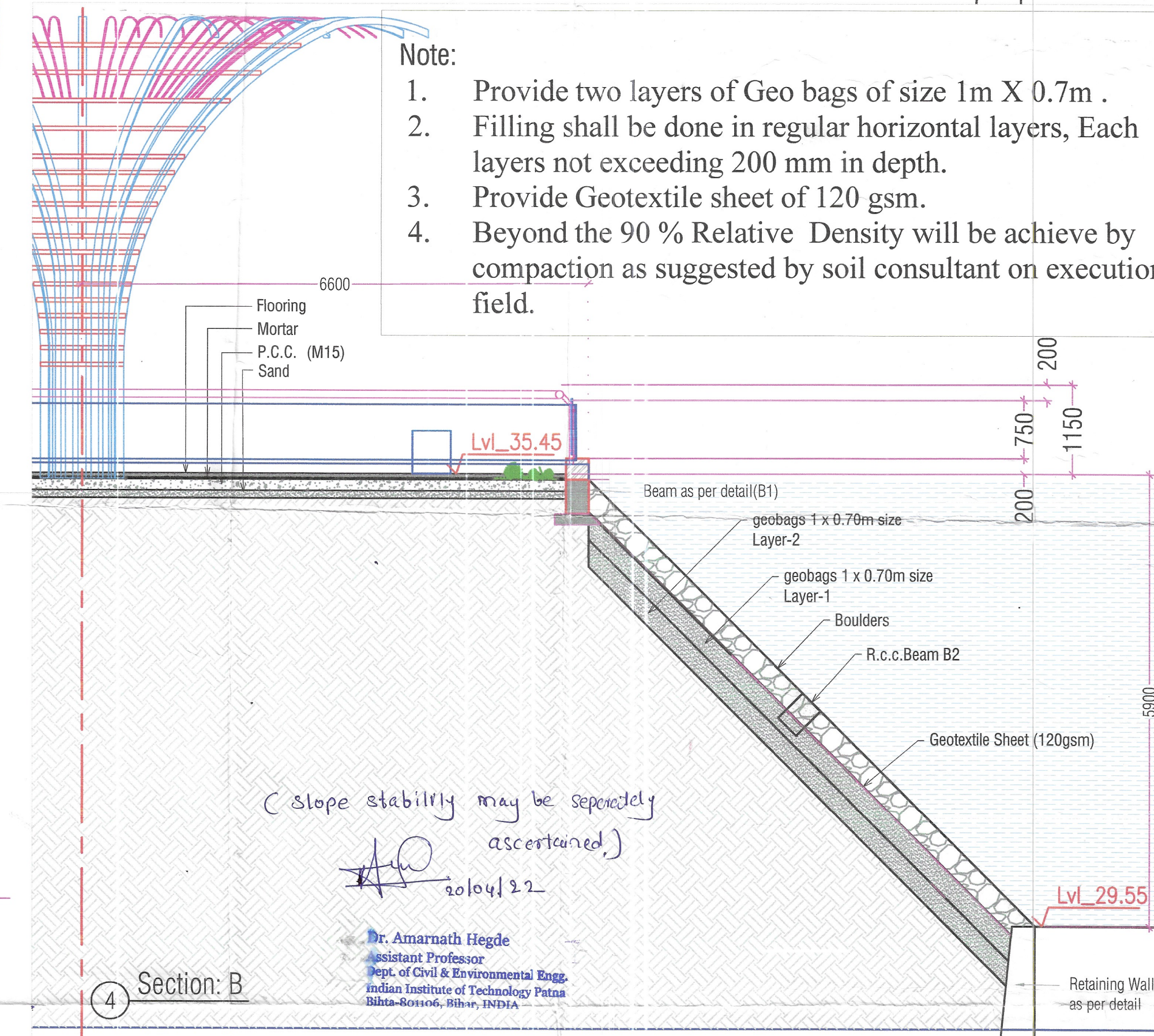


Rejuvenation of Bhairva Talab, Bhagalpur.

Good For Execution



- Note:
1. Provide two layers of Geo bags of size 1m X 0.7m .
  2. Filling shall be done in regular horizontal layers, Each layers not exceeding 200 mm in depth.
  3. Provide Geotextile sheet of 120 gsm.
  4. Beyond the 90 % Relative Density will be achieve by compaction as suggested by soil consultant on execution field.



SCHEDULE OF BEAM:- CONCRETE MIX 25 and FE500 GRADE STEEL

| BEAM MARK | BEAM SIZE | BOTTOM BAR THROUGH NO - DIA | BENT UP BAR (0.3L) NO - DIA | TOP BAR NO - DIA | STIRRUPS     |              | EXTRA BAR TOP(0.3L) NO - DIA | REMARK |
|-----------|-----------|-----------------------------|-----------------------------|------------------|--------------|--------------|------------------------------|--------|
|           |           |                             |                             |                  | UP TO 0.25L  | MID SPAN     |                              |        |
| B1        | 300X450   | 3-12T                       | -                           | 3-12T            | 8T @ 100 C/C | 8T @ 100 C/C | -                            | -      |
| B2        | 230X450   | 2-12T+1-10T                 | -                           | 2-12T+1-10T      | 8T @ 100 C/C | 8T @ 200 C/C | -                            | -      |

Table:1 Development Length (Ld) Of Bars In mm For Fe-500 Grade Steel

| Grade Of Concrete | Bar Diameter In mm |     |     |     |     |      |
|-------------------|--------------------|-----|-----|-----|-----|------|
|                   | 8T                 | 10T | 12T | 16T | 20T | 25T  |
| M25               | 392                | 490 | 588 | 784 | 980 | 1225 |

Note:- For Mix 25 Ld=49db

**PROJECT NO.** 1534/1

**Project Name:** Rejuvenation of Bhairva Talab, Bhagalpur.

**Sthapati Designers & Consultants Pvt.Ltd.**  
Infrastructure Project Consultants Architects-Engineers-Valuers.  
Regd. Office: "Chin Chambers" Station Road, Navsari- 386 445 Gujarat, India.  
Phone:- (02637) 250 330, 280 330, Fax No.- 280 330.  
Email ID:- sdcpl@yahoo.com, Web Site:- www.sthapati-india.com  
AHMEDABAD OFFICE: 2nd Floor, Shree Complex, 1 Azad Society, Ambavadi, Ahmedabad. TEL:-FAX: 079-2678 2838 Email ID:- sdcpl@gmail.com

**CLIENT:** YCC-KOPL-SC JV

**CONSULTANTS:** Parekh Associates

**Design Consultant:** Parekh Associates

**Project Architect:** Parekh Associates

**Infrastructure:**

**Structure:** Sthapati Designers & Consultants Pvt.Ltd.

**Electrical:**

**Landscape:** Parekh Associates

**Others:**

**Reference Drawing:**

| No. | Drg. No. | Sheet Title |
|-----|----------|-------------|
|     |          |             |

**Revision History:**

| No. | Date | Remarks | By |
|-----|------|---------|----|
|     |      |         |    |

**NOTES:**

1. All drawings are in mm.
2. All dimensions are to be read and not to be measured.
3. If there is any discrepancy in the drawing it should be brought to the notice of the architect immediately.

**KEY PLAN:**

Map showing the location of the project site in Bhagalpur.

**Approval:**

Date: 26-02-2022

**Scale:**

0 0 0 0 0

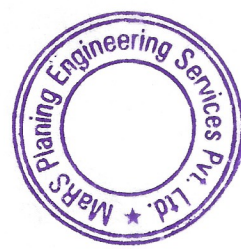
**Sheet Title:** Typical Detail of Pitching Wall

**Drawing No.:** S503

**DLT:** Rahul

**CHKD.:** Vivek Desai

**DATE:** 26-02-2022



GOOD FOR CONSTRUCTION

AMARESH KUMAR JHA  
Team Leader  
PDMC, Bhagalpur Smart City Limited

X:\V\Tpectrum Dyes & Chemicals Pvt.Ltd\Phase-III\Gps\Structural Detail of Compound Wall



Rejuvenation of Bhairva Talab, Bhagalpur.

GFC DRAWING

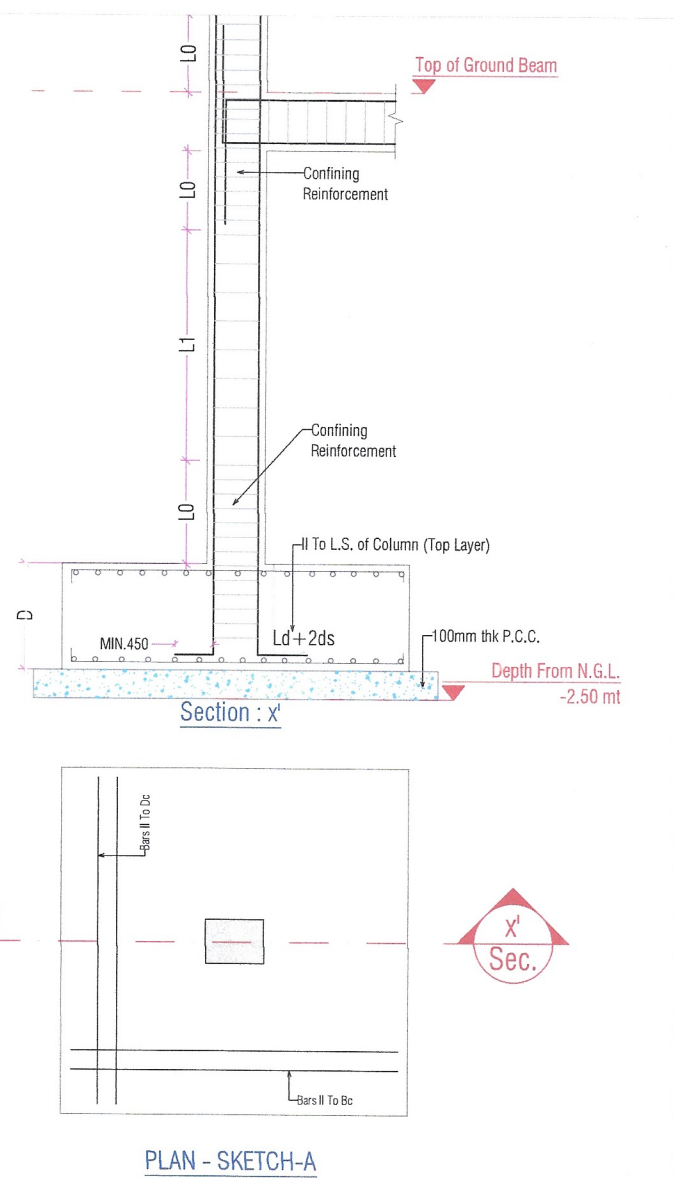
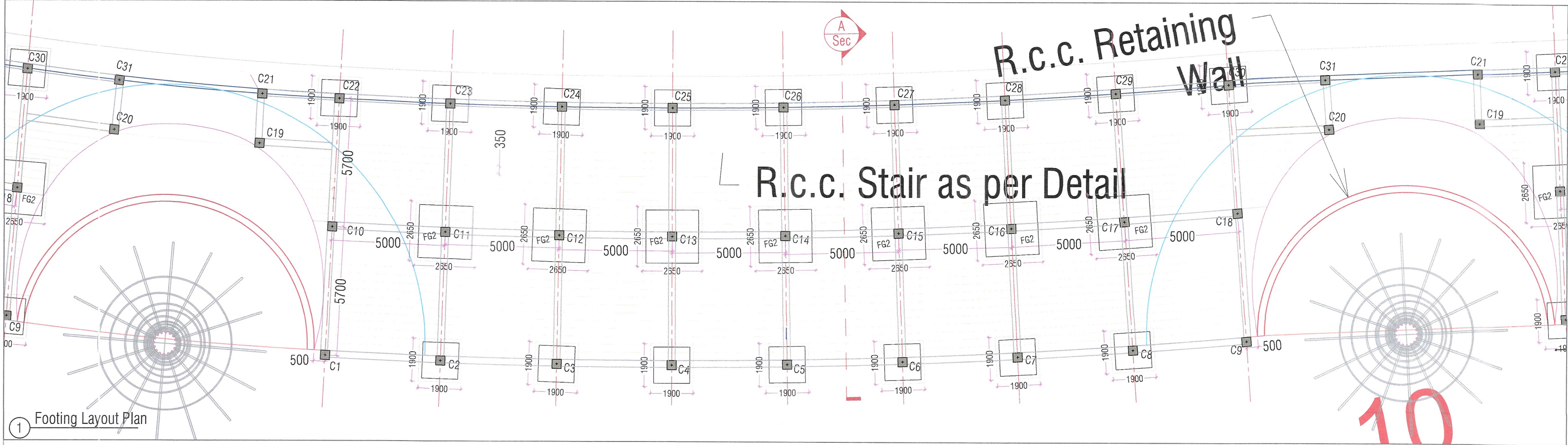


Table:-1 Development Length (Ld) of Bars In mm For Fe500 Grade Steel

| Grade of Concrete | Bar Diameter in mm |     |     |     |     |      |      |
|-------------------|--------------------|-----|-----|-----|-----|------|------|
|                   | 8T                 | 10T | 12T | 16T | 20T | 25T  | 32T  |
| M25               | 392                | 490 | 588 | 784 | 980 | 1225 | 1568 |

Note :- For M25 Ld= 49db

Schedule of Column :- Design Mix - M25 & Fe500

| Column No.           | C1,C2,C3,C4,C5,C6,C7,C8,C9 | C10,C11,C12,C13,C14,C15,C16,C17,C18 | C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31 |
|----------------------|----------------------------|-------------------------------------|-----------------------------------------------------|
| Column Type          | I                          | I                                   | I                                                   |
| Column Size          | 400 x 400                  | 400 x 400                           | 400 x 400                                           |
| Longitudinal Steel   | 4-20T+8-16T(a)             | 4-20T+8-16T(a)                      | 4-20T+8-16T(a)                                      |
| Stirrups Within (L0) | 8T @ 75 C/C                | 8T @ 75 C/C                         | 8T @ 75 C/C                                         |
| Stirrups Within (L1) | 8T @ 150 C/C               | 8T @ 150 C/C                        | 8T @ 150 C/C                                        |
| Distance (L0) in mm. | 600                        | 600                                 | 600                                                 |
| Concrete Grade       | M25                        | M25                                 | M25                                                 |
| Remarks              | -                          | -                                   | -                                                   |
| Column Type          | I                          | I                                   | I                                                   |
| Column Size          | 400 x 400                  | 400 x 400                           | -                                                   |
| Longitudinal Steel   | 4-20T+8-16T(a)             | 4-20T+8-16T(a)                      | -                                                   |
| Stirrups Within (L0) | 8T @ 75 C/C                | 8T @ 75 C/C                         | -                                                   |
| Stirrups Within (L1) | 8T @ 150 C/C               | 8T @ 150 C/C                        | -                                                   |
| Distance (L0) in mm. | 450                        | 450                                 | -                                                   |
| Concrete Grade       | M25                        | M25                                 | -                                                   |
| Remarks              | -                          | -                                   | -                                                   |
| Column Type          | I                          | I                                   | -                                                   |
| Column Size          | 400 x 400                  | -                                   | -                                                   |
| Longitudinal Steel   | 4-20T+8-16T(a)             | -                                   | -                                                   |
| Stirrups Within (L0) | 8T @ 75 C/C                | -                                   | -                                                   |
| Stirrups Within (L1) | 8T @ 150 C/C               | -                                   | -                                                   |
| Distance (L0) in mm. | 450                        | -                                   | -                                                   |
| Concrete Grade       | M25                        | -                                   | -                                                   |
| Remarks              | -                          | -                                   | -                                                   |

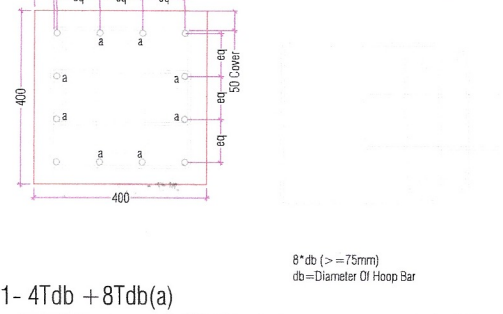
Schedule of Footing :- Design Mix - M25 & Fe500

| Footing       | Column Pedestal Size                                     | 400 x 400     | 400 x 400                   |
|---------------|----------------------------------------------------------|---------------|-----------------------------|
|               | Short Dir                                                | 12T @ 150 C/C | 12T @ 150 C/C               |
| Footing       | Long Dir                                                 | 12T @ 150 C/C | 12T @ 150 C/C               |
|               | D                                                        | 400           | 550                         |
| Footing       | Size                                                     | 1600 x 1600   | 2350 x 2350                 |
|               | P.C.C.                                                   | 1900 x 1900   | 2650 x 2650                 |
| Column Marked | C2,C3,C4,C5,C6,C7,C8,C22,C23,C24,C25,C26,C27,C28,C29,C30 |               | C11,C12,C13,C14,C15,C16,C17 |
|               | Footing Group                                            |               | FG1 FG2                     |

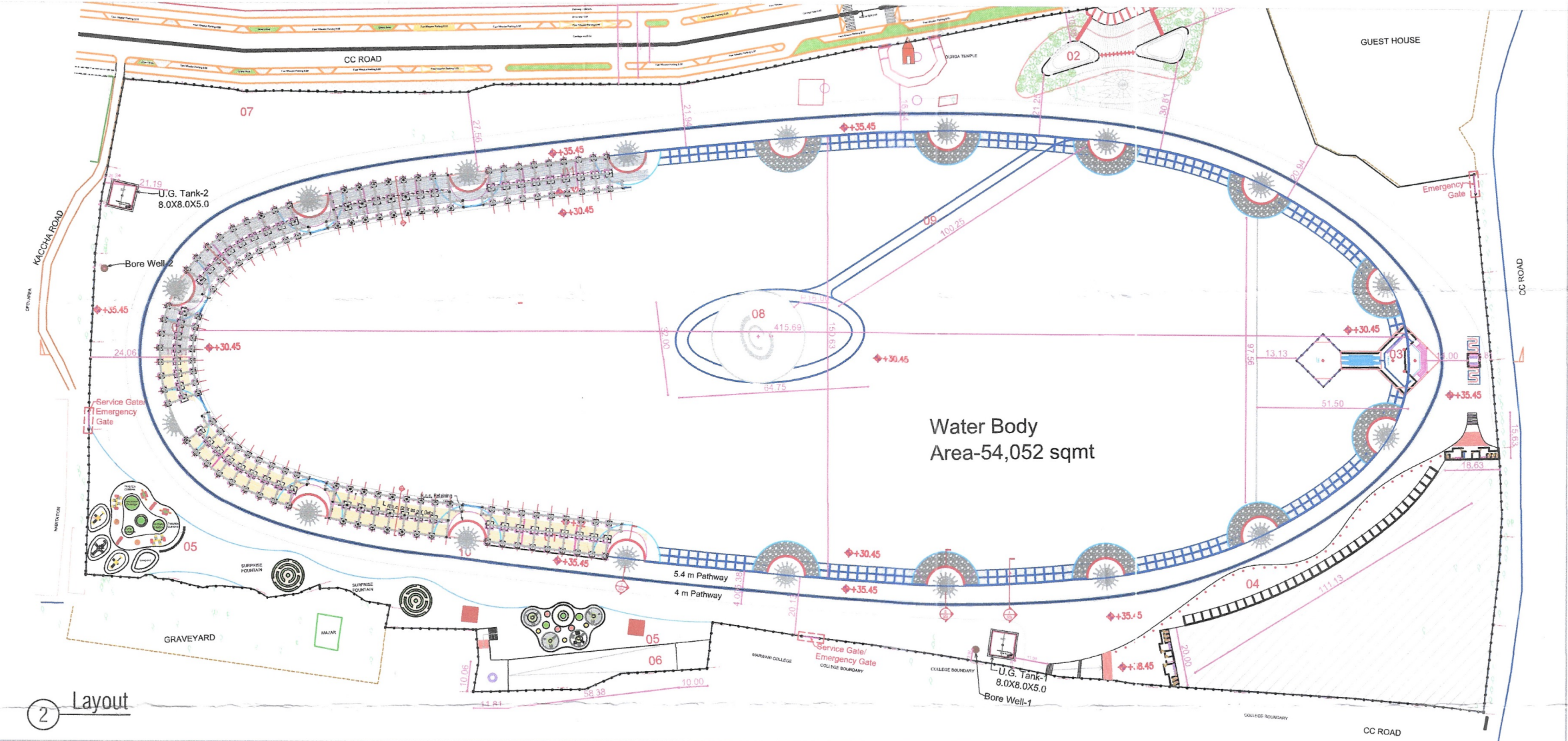
Footing Notes:-

- The Building Is Designed As Per As Per Following I.S. Codes.
  - Is 456:2000 Plain & Reinforce Concrete-Code Of Practice(FourthRevision)
  - Is 875 (Part-2) 1987\* Code Of Practice For Design Load(Other Then Earthquake) For Buildings And Structures (Second Revision)
  - S.P. 34 Handbook On Concrete Reinforcement And Detailing.
- In Reinforcement Details.
  - T Indicates Steel Bars Fe500D Grade Conforming To Is:1786-2008.
- This Building Designed For SBC Of 12.00 uMP At A Depth of 2.50mt. As per SBC Report.
- All Dimensions Are In mm.
- Unless Noted Otherwise All Structural Elements Shall Be Cast With Concrete Mix- M25. The Proportions Of Mix Shall Be As Per Design Mix.
- Making Holes And Cutting Of Reinforcement In R.C.C Elements Is Strictly Prohibited.
- Relevant Structural Drawings Shall Be Read In Conjunction With Architectural Drawings.
- Reinforcement Parallel To Short Side Of Column Shall Be Placed With Minimum Cover Unless Otherwise Specified.
- Clear Cover of 75mm for Footing Shall be Provided.
- Development Length Of Bar For Footings Should be Maintained.Refer Table-1 For Ld.
- Size Of P.C.C. Bedding (1:4:8) Below R.C.C. Footing Shall be Considered.
- The Building Is Designed For Exposure Condition "Mild".(As per IS 456:2000)
- The R.C.C. Design Is Based On Limit State Method And It Stands For High Precision Job And Strict Quality Control. Therefore To Maintain Quality And Designed Strength. Number Of Work Test Cubes Of Concrete Should Be Taken And All Efforts Should Be Made To Maintain The Quality And Design Strength Through Out The Construction By Following Specification Strictly And Using All The Latest Techniques Of Concreting For Full Quality Control.Discrepancies If Any Shall Be Got Rectified Before Execution.
- Changes In Column Sizes Are As Per The Structural And Architectural Requirements As Per Discussion With The Concerned Consultant. Proper Care Shall Be Taken Where Column Sizes Reduces In Order To Maintain Column Layout As Per Architectural Drawing & Requirements.
- Discrepancy If Any, Shall be Got Rectified Well Before Execution.
- All Dimension Are To Be Read And Not To Be Measured.

Type- I (400 x 400)



| Schedule of Cover |                  |                             |
|-------------------|------------------|-----------------------------|
| Member            | Clear Cover (mm) | Remarks                     |
| Footing           | 75               | At Bottom & Sides           |
| Column            | 40               | To Main Reinf.              |
| Beam              | 35               | To Main Reinf.              |
| Slab              | 30               | To Main Reinf. @ Top & Bot. |



**PROJECT NO.** 153471  
**CLIENT:** YCC-KCPL-SC JV  
**Project Name:** Rejuvenation of Bhairva Talab, Bhagalpur (BSCL)  
**Stapati Designers & Consultants Pvt.Ltd.**  
Infrastructure Project Consultants Architects-Engineers-Valuers.  
Regd. Office:- "Olm Chambers" Station Road, Navsari- 380 445 Gujarat, India.  
Phone:- (02837) 250 330, 280 330, Fax No:- 280 330.  
Email ID:- sdcp@sdcp.com, Web Site:- www.stapatiindia.com  
AHMEDABAD OFFICE: 2nd Floor, Shree Complex, 1 Azad Society, Ambawadi,  
Ahmedabad. TEL: 079-2676 2838 Email ID:- shodach@sdcp.com

**CONSULTANTS:**  
**Design Consultant:** Parekh Associates  
**Project Architect:** Parekh Associates  
**Infrastructure:**

**Structure:** S  
**Electrical:** E  
**Landscape:** L  
**Others:** H

**Reference Drawing:**  
No. Drg. No. Sheet Title  
Structure Engineer  
PDMC, Bhagalpur

**Revision History:**  
No. Date Remarks By  
Pramod Saha  
Team Leader  
PDMC, Bhagalpur Smart City Limited

**NOTES:**  
1) All drawings are in mm.  
2) All dimensions are to be read and not to be measured.  
3) If there is any discrepancy in the drawing it should be brought to the notice of the architect immediately.  
DLT: Rahul (PDMC) (BSCL)

**KEY PLAN:**  
Dept. of Civil & Environmental Engg.  
NAVASAR  
V.S.

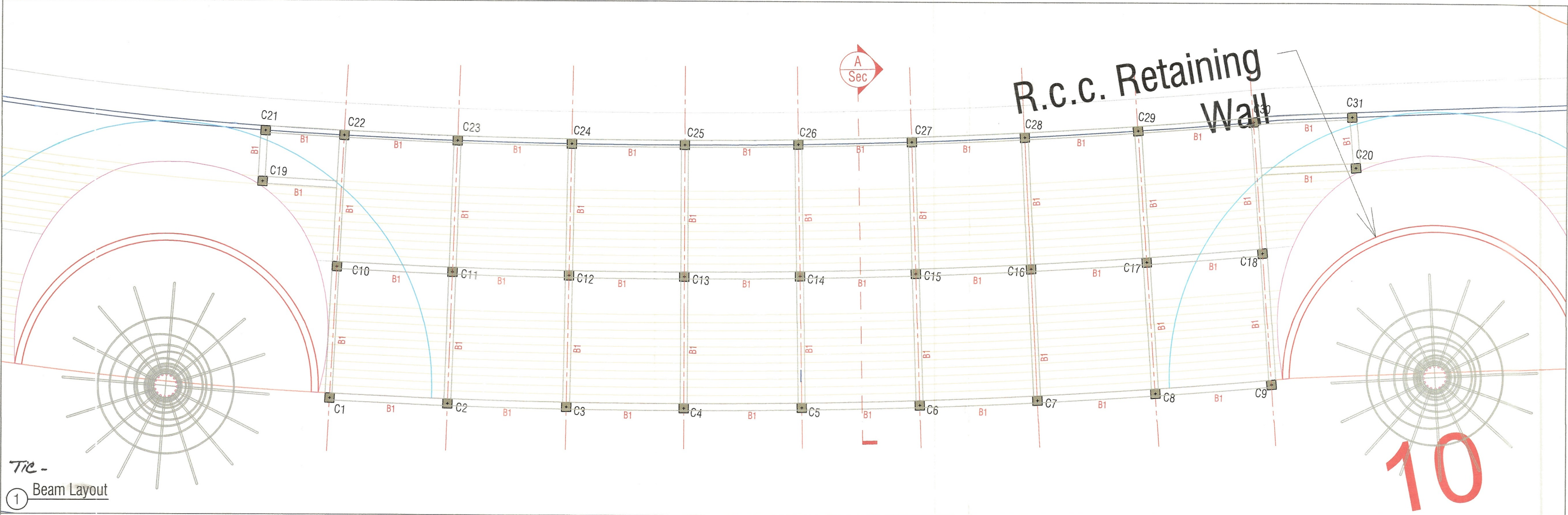
**Approval:**  
Date By  
CHKD.: Vivek Desai  
DATE: 01-02-2023

**Scale:**  
0 0 0 0 0  
**Sheet Title:** Footing Layout Plan, Site plan & Reinforcement Details of Ghat  
**Drawing No.:** S505



Rejuvenation of Bhairva Talab, Bhagalpur. Under Bhagalpur Smart City Ltd.

GFC DRAWING

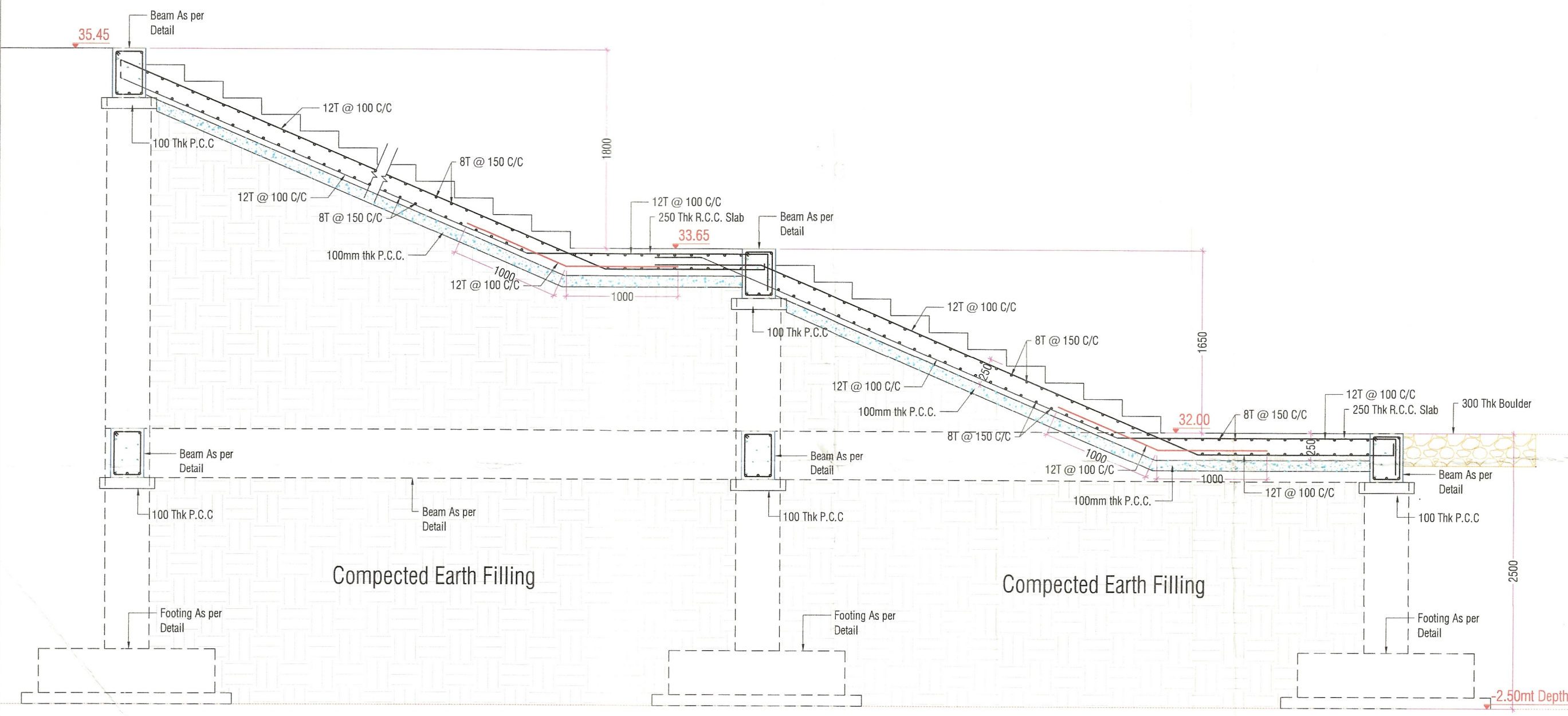


1 Beam Layout

Table:-1 Development Length (Ld) of Bars in mm For Fe500 Grade Steel

| Grade of Concrete | Bar Diameter in mm |     |     |     |     |      |
|-------------------|--------------------|-----|-----|-----|-----|------|
|                   | 8T                 | 10T | 12T | 16T | 20T | 25T  |
| M25               | 392                | 490 | 588 | 784 | 980 | 1225 |

Note :- For M25 Ld=49db

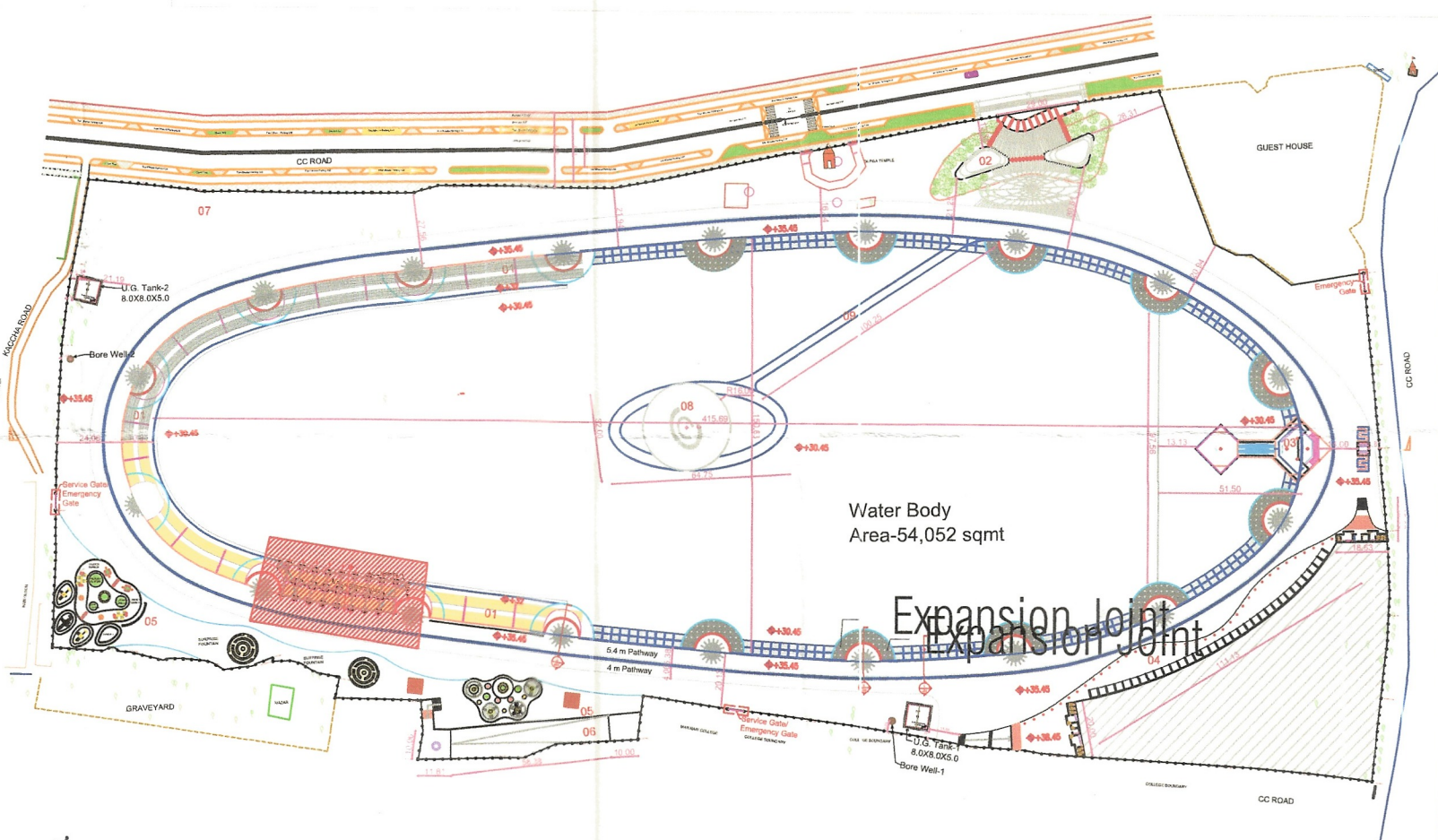


2 Section : A

Reinforcement Details of Ghat Steps

Schedule of Beam :- Design Mix - M25 & Fe500

| Beam Mark | Beam Size | Bottom bar Through No. Dia | Top Bar Through No. Dia | Stirrups     |              | Extra Bar Top (0.3L) No.Dia. | Remark |
|-----------|-----------|----------------------------|-------------------------|--------------|--------------|------------------------------|--------|
|           |           |                            |                         | Up to 0.25L  | Mid Span     |                              |        |
| B1        | 300x450   | 2-12T+1-16T                | 2-12T+1-16T             | 8T @ 100 C/C | 8T @ 175 C/C | 2-12T                        | -      |



3 Keyplan

**PROJECT NO.** 153471

**Project Name:** Rejuvenation of Bhairva Talab, Bhagalpur. (BSCL)

**Sthapati Designers & Consultants Pvt.Ltd.**  
Infrastructure Project Consultants Architects-Engineers-Valuers.  
Regd. Office: "Om Chambers" Station Road, Navsar- 396 445 Gujarat, India.  
Phone:- 028271 280 330, 280 330, Fax No:- 280 330.  
Email ID:- sdcpl@yahoo.com, Web Site:- www.sdcpl-india.com  
AHMEDABAD OFFICE: 2nd Floor, Shree Complex, 1 Azed Society, Ambemad,  
Ahmedabad. TEL:-FAX: 079-2678 2808 Email ID:- sdcplindia@gmail.com

**CLIENT:** YCC-KCPL-SC JV

**CONSULTANTS:**

Design Consultant : Parekh Associates

Project Architect : Parekh Associates

Infrastructure : Parekh Associates

Structure: Sthapati Designers & Consultants Pvt. Ltd.

Electrical: D

Landscape: A

Others: Q

**Reference Drawing:**

| No. | Drg. No.    | Sheet Title                         |
|-----|-------------|-------------------------------------|
| 1   | 106-05-2023 | Structural Engineer PDMC, Bhagalpur |

**Revision History:**

| No. | Date | Remarks | By |
|-----|------|---------|----|
| 1   |      |         |    |

**Pramod Saha**  
Team Leader  
PDMC, Bhagalpur Smart City Limited

**NOTES:**

1). All drawings are in mm.

2). All dimensions are to be read and not to be measured.

3). If there is any discrepancy in the drawing it should be brought to the notice of the architect immediately.

DLT.: Rahul (PDMC) (BSCL)

**KEY PLAN:**

CHKD.: Vivek Desai

**Approval:**

Date: 01-02-2023

**Scale:**

0 0 0 0 0

**Sheet Title:** Tie Beam Layout, Site Plan & Reinforcement Details of Ghat Stairs.

**Drawing No.:** S506