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11. Conclusion:

This geotechnical investigation has been carried out on the specified location as representing the entire site. If there is any change in sub-soil conditions and properties at places, between or beyond the test locations this office may be contacted for further actions.

R. Sharvesh.

MINERVA CIVIL TESTING LAB PRIVATE LIMITED ★ CHENNAI 600 097

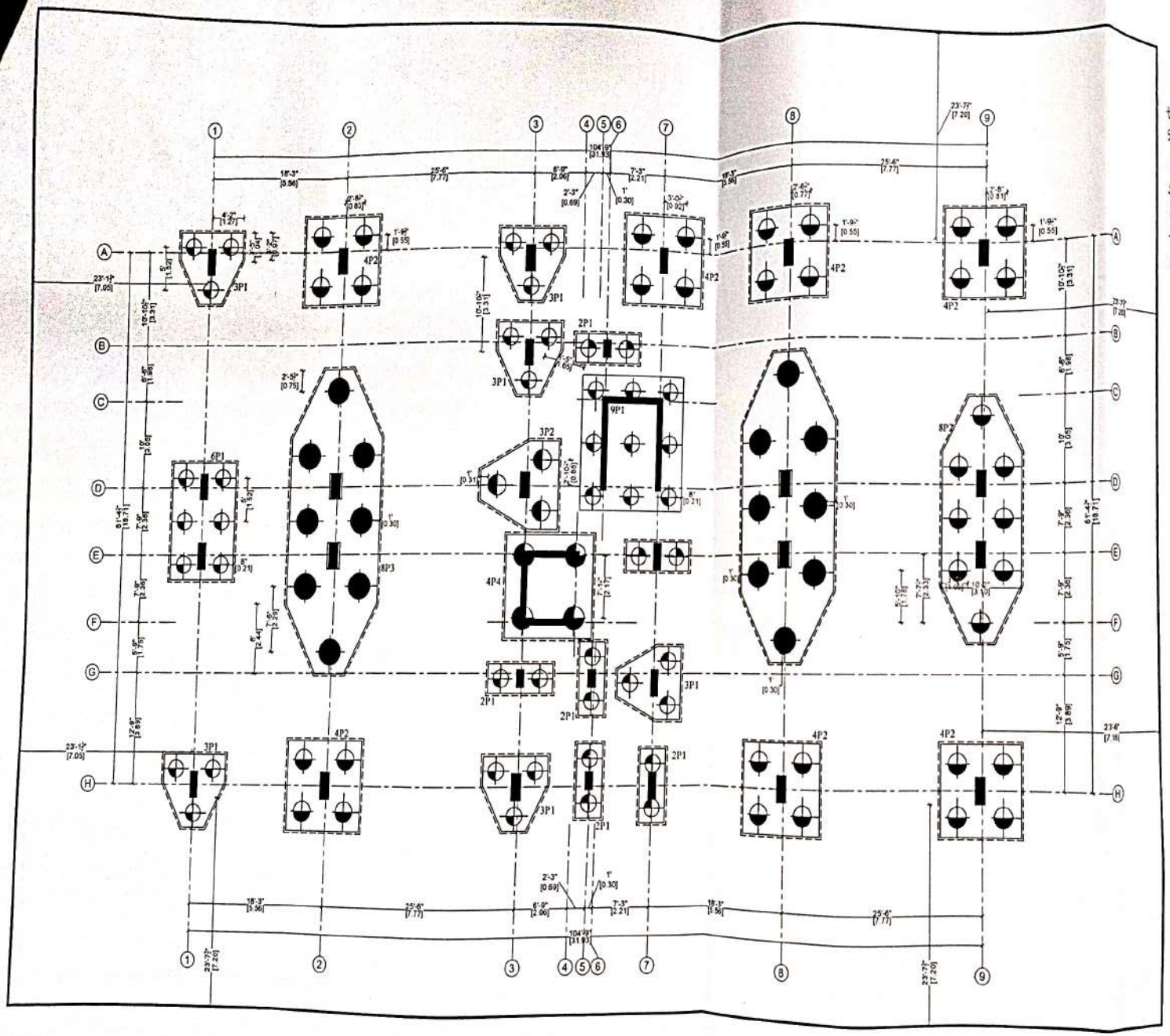
R. SHARVESH, M.E.
(Geotechnical Engineer)

On behalf of CMDA HRB Panel, the Geotechnical Investigation Report is generally reviewed.

30/12/22

Superintending Engineer, P.W.D.
Planning and Designs Circle,
Chepauk, Chennai-5.

Dr. SIVAPRIYA S.V., B.E.,M.E., Ph.D
REGISTERED GEO-TECHNICAL ENGINEER
REG.NO: GTE /2020/01/041
NEW PERUNGALATHUR
CHENNAI - 600 063



PILE LAYOUT

On behalf of CMDA HRB Panel, the structural drawings are reviewed & found generally in order. It is the responsibility of the site/structural Engineers concerned to scrutinize the details and implement at site as per the detailed drawings and specifications.

Superintending Engineer, P.W.D.
Planning and Designs Circle,
Chepauk, Chennai-5.

PLAN SHOWING THE PROPOSED HIGH RISE BUILDING CONSISTING OF STILT+8 FLOORS WITH 32 DWELLING UNITS OF RESIDENTIAL HIGH RISE BUILDING WITH A HEIGHT OF 28.92M AT BLOCK NO 371, TEMPLE COLONY, 15TH MAIN ROAD, ANNA NAGAR, CHENNAI-600 040 COMPRISED IN OLD SURVEY NO 207 (PART), T S NO 202, BLOCK NO 10 OF KOYAMBEDU VILLAGE, ANNUKARAI TALUK, WITHIN THE LIMITS OF GREATER CHENNAI CORPORATION

NOTES

1. ALL DIMENSIONS ARE IN meter & millimeter UNLESS INDICATED
2. THIS DRAWING SHALL BE READ ALONG WITH THE ARCHITECTURAL DRAWINGS
3. THE CONCRETE MIX SHALL BE M30 DESIGN MIX FOR ALL RCC WORKS
4. ALL CONC WORK SHALL BE MACHINE MIXED & VIBRATED
5. ALL CONC WORK SHALL BE CURED FOR MIN 14 DAYS.
6. IF ANY AMBIGUITY FOUND IN DRAWINGS OR DETAILS PLEASE CONTACT US BEFORE CONCRETING
7. PROPER WORKMANSHIP & STRENGTH OF MATERIALS IS NOT STRUCTURAL ENGINEERS RESPONSIBILITY
8. APPLY CONC BONDING AGENT AT EACH CONSTRUCTION JOINT
9. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL ENGINEER WELL BEFORE EXECUTION
10. BOTTOM OF ALL FOUNDATIONS MUST BE AT SAME LEVEL
11. CLEAR COVER TO THE OUTERMOST REINFORCEMENT IS TO BE
(i) 40mm COLUMN (ii) 50mm FOR FOOTING (iii) 30mm FOR BEAM
12. LAP IS EQUAL TO 50 TIMES OF DIAMETER OF THE BAR
13. GRADE OF STEEL SHALL BE Fe500 EXCEPT WHEREVER INDICATED

M/s INDIA BUILDERS (CHENNAI) LIMITED
CHAIRMAN
APPLICANT

Mr. VIJAY BASKAR, B.Arch.,
Registered Architect
Council of Architecture, CA/2006/37949
Flat No.1, Ground Floor, No.214,
Kuppusamy Street, Golden George Nagar,
Nugappair East, Chennai - 600 077.
Phone 9841[illegible]

S. SOUNDRAPANDIAN, M.E.Structural
SE Grade-I CMDA (Reg. No: SE/GR-1/19/03/028)
36, Suppa Colony, Guindy, Ch-32. 9952046424
STRUCTURAL ENGINEER

7. DESIGN METHODOLOY:

All R.C.C structures shall be designed according to the Limit State Method as specified in IS: 456 – 2000.

Forces and moments from the 3D analysis output for the worst combinations are used for the design of the structure.

The foundations are designed for critical load combination.

The structure is analyzed for specific loads like dead load, live load, wind and seismic loads and for the load combinations as given in the relevant codes.

The slab is analyzed as two-way and one-way slabs.

Design of special members like retaining wall, water tanks will be done in accordance with the relevant IS Codes.

8. ACCEPTANCE CRITERIA:

8.1. Deflection Limits:

For Reinforced concrete works:

Limiting values of deflection (Short and Long term) as per clause 35.3 of IS: 456-2000 is followed in the design.

Limiting value for total long-term deflection is considered as span/250 and for the long-term deflection after erection of partitions & finishes is considered as span/350 or 20mm whichever less as per IS 456 –2000.

8.2. Cracking Limits:

Limiting values of crack width as per clause 35.3 of IS: 456-2000 is followed in the design.

In general, for slabs and beams, the crack width is limited to 0.3mm.

For basement retaining wall and water retaining structures

On behalf of CMDA HRB Panel the Structural Design calculations are generally reviewed.

30/12/22

Superintending Engineer, P.W.D.
Planning and Designs Circle,
Chepauk, Chennai-5.

S. SOUNDRAPANDIAN, M.E.Structural
SE Grade-I CMDA (Reg No: SE/GR-I/19/03/028)
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Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

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