COLUMN SCHEDULE

3RD TO ABOVE	250 / 500 — 8–16T, 8T LINK / 200	250 / 450 — 8–16T, 8T LINK / 200	250 / 450 — 4–16T+4–12T, 8T LINK / 200	250 / 400 — 4–16T+4–12T, 8T LINK / 200	250 / 400 — 4–16T+4–12T, 8T LINK / 200	250 / 400 — 8–12T, 8T LINK / 200
2ND TO 3RD	250 / 500 — 8–16T+2–12T, 8T LINK / 200	250 / 450 — 8–16T+2–12T, 8T LINK / 200	250 / 450 — 4–16T+6–12T, 8T LINK / 200	250 / 400 — 8–16T, 8T LINK / 200	250 / 400 — 4–16T+4–12T, 8T LINK / 200	250 / 400 — 4–16T+4–12T, 8T LINK / 200
FDN. TO 2ND	250 / 500 — 6–20T+4–16T, 8T LINK / 200	250 / 450 — 4–20T+6–16T, 8T LINK / 200	250 / 450 — 10–16T, 8T LINK / 200	250 / 450 — 10–16T, 8T LINK / 200	250 / 400 — 8–16T, 8T LINK / 200	250 / 400 — 4–16T+4–12T, 8T LINK / 200
COLUMN MARKED	C2,C8,C9,C12,C13	C3	C16	C11,C15,C17	C5,C6,C7,C10,C14	C1,C4,C18

SCHEDULE OF FLOOR BEAM

BEAM MKD.	SIZE OF BEAM	REINFORCEMENT					
		AT SUPPORT		AT SPAN		SHEAR REINF.	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250x400	2–16T+2–12T(ext)	2–16T	2–16T	2–16T+1–12T(ext)	8T@150C/C	8T@200C/C
B1A	250x400	2–16T+1–16T(ext) +3–16T(ext)DL	2–16T	2–16T+1–16T(ext) +3–16T(ext)DL	2–16T	8T@125C/C	8T@125C/C
B2	250x300	2–16T+1–12T(ext)	2–16T	2–16T	2–16T	8T@150C/C	8T@200C/C
B3	250x400	2–16T+1–12T(ext)	2–16T	2–16T	2–16T	8T@150C/C	8T@200C/C
B4	250x400	2–16T+2–16T(ext)	2–16T	2–16T	2–16T+2–16T(ext)	8T@150C/C	8T@200C/C
B5	250x450	2–16T+1–16T(ext) +2–16T(ext)DL	3–16T	2–16T	3–16T+2–16T(ext)DL	8T@150C/C	8T@200C/C
B6	250x450	2–16T+1–16T(ext) 2–16T(ext)DL	3–16T	2–16T+1–16T(ext) +2–16T(ext)DL	3–16T	8T@150C/C	8T@200C/C
B7	250x550	2–20T+1–16T(ext) 3–16T(ext)DL	3–16T	2–20T	3–16T+3–16T(ext)DL	8T@125C/C	8T@200C/C
B7A	250x550	2–20T+1–16T(ext) 3–16T(ext)DL	3–16T	2–20T+1–16T(ext) 3–16T(ext)DL	3–16T	8T@125C/C	8T@125C/C
B8	250x450	2–16T+2–12T(ext)	2–16T	2–16T	2–16T+2–12T(ext)	8T@150C/C	8T@200C/C
BHL	200x350	2–16T+1–12T(ext)	2–16T	2–16T	2–16T+1–12T(ext)	8T@150C/C	8T@200C/C

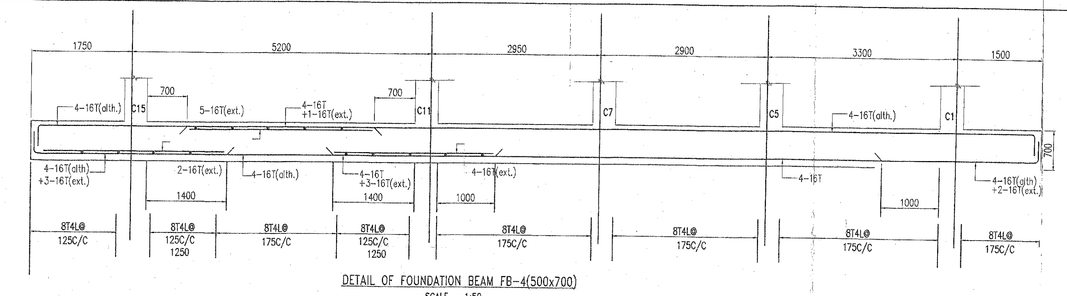
SCHEDULE OF FLOOR SLAB

PANEL MKD.	THK. OF SLAB	REINFORCEMENT			
		ALONG SHORTER DIRECTION		ALONG LONGER DIRECTION	
		SUPPORT	SPAN	SUPPORT	SPAN
S1	110	8T @ 175C/C	8T @ 175C/C	8T @ 175C/C	8T @ 175C/C
S2	110	8T @ 150C/C	8T @ 150C/C	8T @ 175C/C	8T @ 175C/C
S3	125	8T @ 150C/C	8T @ 150C/C	8T @ 175C/C	8T @ 175C/C
S4	125	8T @ 85C/C	8T @ 175C/C	8T @ 175C/C	8T @ 175C/C
S5	125	8T @ 125C/C	8T @ 125C/C	8T @ 200C/C	8T @ 200C/C
S6	110	10T @ 115C/C	8T @ 175C/C	8T @ 175C/C	8T @ 175C/C

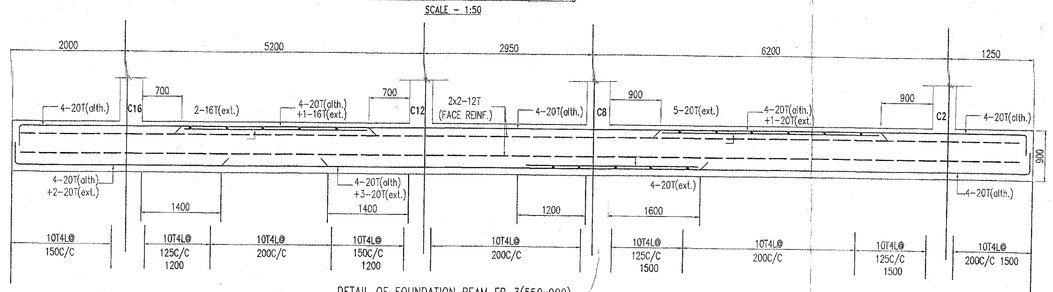
DISTRIBUTION STEEL : 8T @ 300C/C

SCHEDULE OF FOOTING

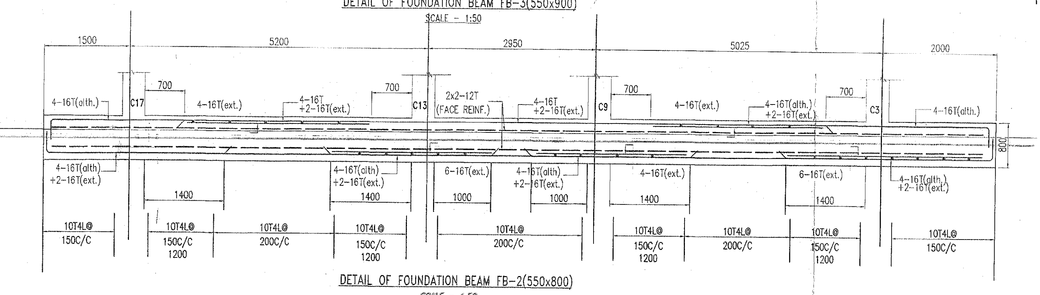
FDN MKD	TYPE OF FOOTING	UNDER COL. MKD.	LENGTH	BREADTH	SIZE OF PEDESTAL (REINFORCED)	HEIGHT OF PEDESTAL (H)	THICKNESS OF SLAB		REINFORCEMENT	
							D	d	ALONG LONGER DIRECTION	ALONG SHORTER DIRECTION
F1	COMBINED FOOTING	C1+C5+C7 +C11+C15	17600	2600	------	------	400	225	10T@200c/c	12T@150c/c
F2		C2+C8 +C12+C16	17600	2900	------	------	425	250	10T@200c/c	12T@125c/c
F3		C3+C9 +C13+C17	16675	3000	------	------	425	250	10T@200c/c	12T@125c/c
F4		C4+C6+C10 +C14+C18	15500	2400	------	------	375	200	10T@200c/c	12T@165c/c



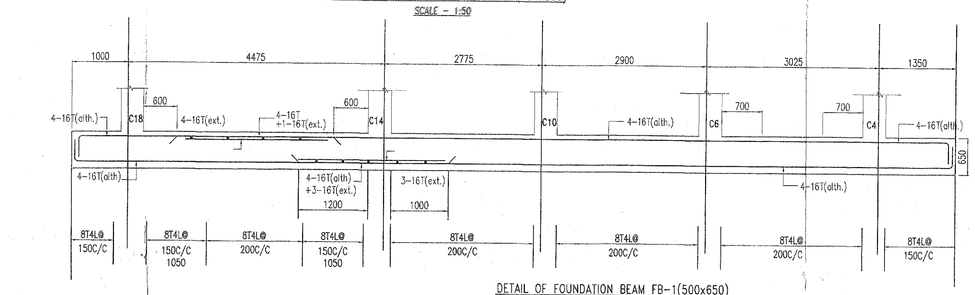
DETAIL OF FOUNDATION BEAM FB–4(500x700)
SCALE – 1:50



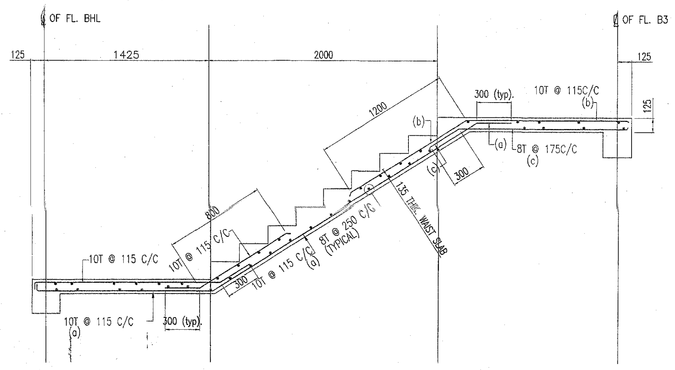
DETAIL OF FOUNDATION BEAM FB–3(550x900)
SCALE – 1:50



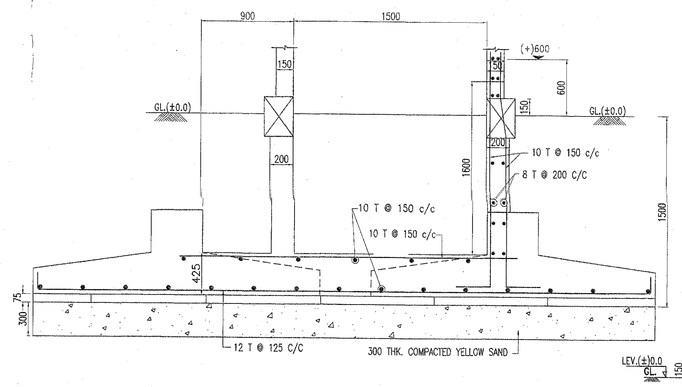
DETAIL OF FOUNDATION BEAM FB–2(550x800)
SCALE – 1:50



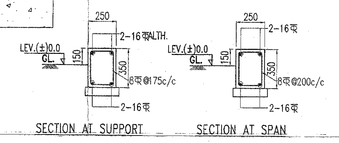
DETAIL OF FOUNDATION BEAM FB–1(500x650)
SCALE – 1:50



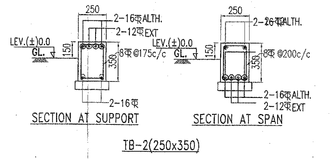
DETAIL OF STAIR
SECTION Y–Y
SCALE – 1:25



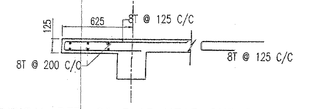
SECTION Y–Y



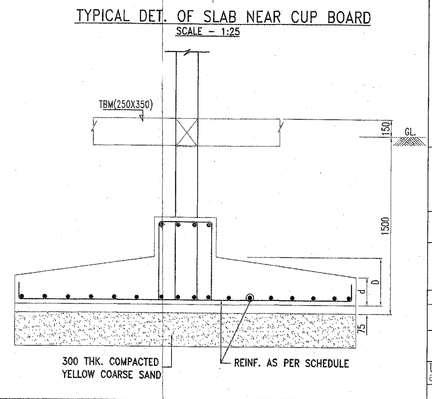
SECTION AT SUPPORT — SECTION AT SPAN
TB–1(250x350)



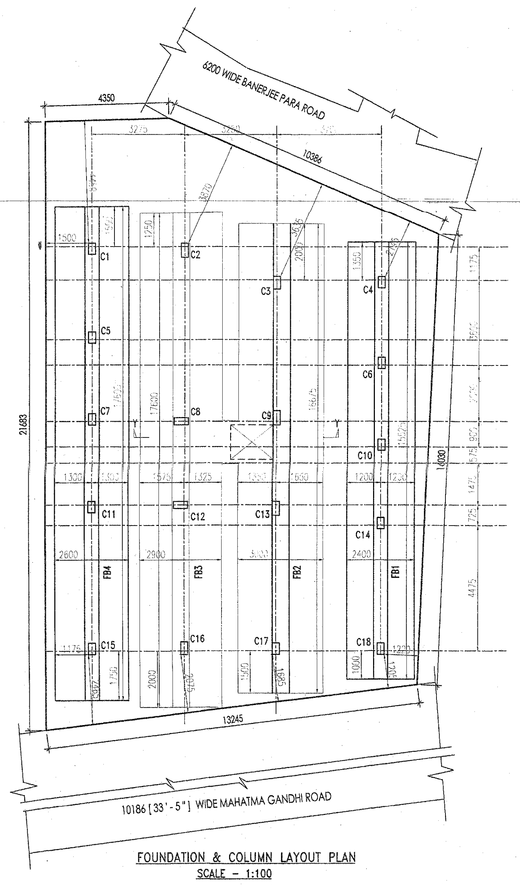
SECTION AT SUPPORT — SECTION AT SPAN
TB–2(250x350)



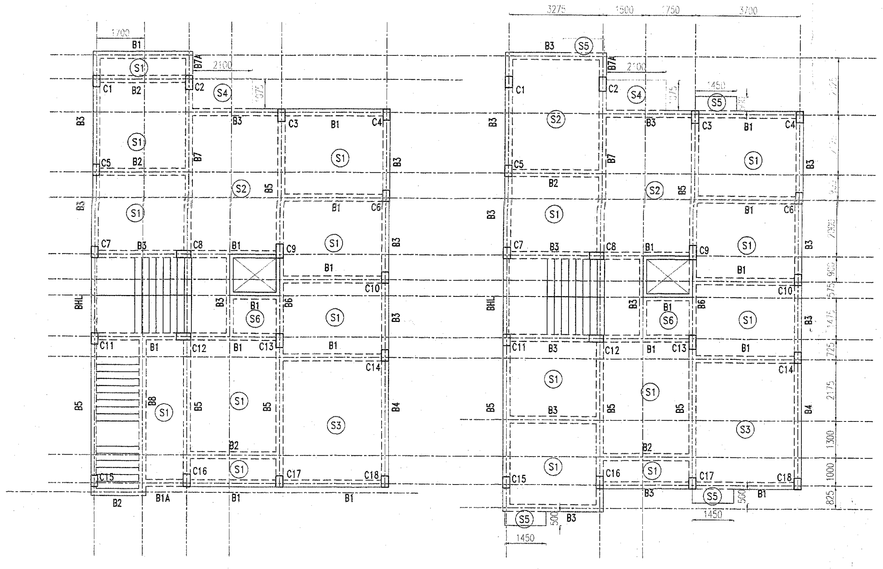
TYPICAL DET. OF SLAB NEAR CUP BOARD
SCALE – 1:25



300 THK. COMPACTED YELLOW COARSE SAND — REINF. AS PER SCHEDULE

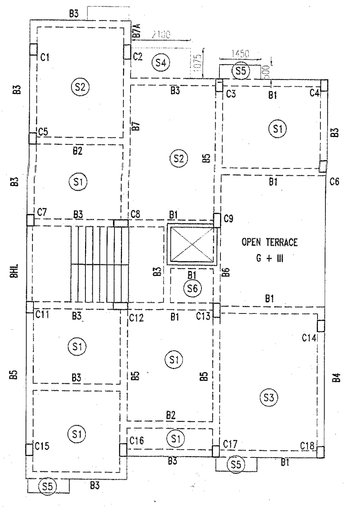


FOUNDATION & COLUMN LAYOUT PLAN
SCALE – 1:100



BEAM & SLAB LAYOUT PLAN
(FIRST FLOOR)

BEAM & SLAB LAYOUT PLAN
(SECOND & THIRD FLOOR)



BEAM & SLAB LAYOUT PLAN
(FOURTH FLOOR)

IMPORTANT NOTES :-

1) ALL DIMENSIONS AND LEVELS SHOWN IN THE DRAWING ARE IN MM AND SHOULD BE FOLLOWED AS SHOWN IN THE DRAWING.

2) THE DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING AND ANY DISCREPANCY BETWEEN THE TWO SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING OF JOB

3) LEVELS IN THE DRAWING ARE SHOWN WITH REFERENCE TO EXISTING G.L AT SITE. WHICH HAS BEEN MARKED AS R.L +/-0.00

4) THE DRAWINGS SHOULD BE STUDIED CAREFULLY AND ALL DIMENSIONS SHOWN HERE SHOULD BE CHECKED AT SITE. CLARIFICATION REGARDING DISCREPANCY IF ANY, SHOULD BE OBTAINED BEFORE COMMENCEMENT OF WORK.

5) SPACER BAR USED SHALL BE OF 20mm. OR DIAMETER OF THE BAR USED N THE JOB WHICH IS LARGER.

6) STEEL TO BE USE SHOULD BE OF Fe-500 GRADE. REINFORCEMENT SHOULD BE WITH COLD TWISTED DEFORMED BARS CONFIRMING TO IS : - 1786 AND HAVE BEEN

7) CONCRETE SHOULD BE OF GRADE M20.

8) CLEAR COVER FOR MAIN REINFORCEMENT UNLESS MENTIONED SHOULD BE AS BELOW :-

a) FOOTING.- 75 MM

b) FLOOR BEAM:- 30 MM , FLOOR SLAB = 15 MM

c) COLUMN :- 40MM

9) ANCHORAGE/LAP LENGTH SHOULD NOT BE LESS THAN 50 D FOR TENSION BAR AND 40 D FOR COMPRESSION BAR.

10) WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

OFFICE SEAL

CERTIFICATE OF OWNER :

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT, I SHALL ENGAGE ARCHITECT & ESE DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF ARCHITECT & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN) K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE. THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF S.U.G.W.R TAKEN UNDER THE GUIDANCE OF LBA/ESE BEFORE STARTING OF BUILDING FOUNDATION THE PLOT IS IDENTIFIED BY MEAND DULY SIGNED BY ME. IF ANY DISCREPANCY ARISE REGARDING THAT, THEN L.B.A. & K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR THAT AND K.M.C.WILL EVERY RIGHT TO REVOKE THE PLAN..

SANJOY AICH
Proprietor of M/s. BALAJI
Constitute Attorney of
MALAYA ROY
SIGNATURE OF OWNERS

CERTIFICATE OF GEO-TECHNICAL ENGINEER :

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

BHASKAR JYOTI ROY
B.C.E., M.I.E., M.I.G.S.
Chartered Engineer (I)
Empanelment No.- G.T-I/50 (K.M.C)
Empanelment No.- G.T-I/20 (R.S.M)
Empanelment No.- GTG/NIDA/10/00030
Consulting Geotechnical Engineer

(BHASKAR JYOTI ROY)
(G.T.-I/50)
SIGNATURE OF GEO TECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER :

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN PREPARED BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS .

SUBHRA DAS
B. TECH (CIVIL)
KOLKATA MUNICIPAL CORPORATION
EMPANELLED STRUCTURAL ENGINEER
E.S.E. NO- II/658

(SUBHRA DAS)
(E.S.E.- /II/658)
SIGNATURE OF E.S.E.

CERTIFICATE OF L.B.S.

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES - 2009 , AS AMENDED FROM TIME TO TIME &THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING 4.877 M. ROAD , WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE & NOT A TANK OR FILLED- UP TANK. THERE IS AN EXISTING STRUCTURE TO BE DEMOLISHED BEFORE COMMENCEMENT WHICH IS FULLY OCCUPIED BY THE OWNER & NOT TENANT. THE PLOT IS BOUNDED BY BOUNDARY WALLS . THE CONSTRUCTION OF S.U.G. WATER TANK AND SEPTIC TANK WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK.

KUSH KUNDU (L.C.E)
L B S of K.M.C
Lic No 1412/1
90E, Jadunath Ukil Road
Kolkata-700 041
(KUSH KUNDU)
(L.B.S.- /I/1412)
SIGNATURE OF L.B.S.

STRUCTURAL PLAN OF A G + FOUR STORIED RESIDENTIAL BUILDING AT PREMISES NO. - 178, PUTIARY BANERJEE PARA ROAD, WARD- 115 , BOROUGH - XIII , UNDER K.M.C

STRUCTURAL LAYOUT DRAWING

TITLE :
FOUNDATION PLAN, STEEL PLAN, DETAIL OF FOUNDATION COLUMN AND STAIR, SCHEDULE OF FLOOR BEAM AND SLAB

DRAWN BY: M.M

USED SCALE–1:100 and as noted

DATE : 05.07.23 | REV : 0

PARTY'S COPY

RESIDENTIAL BUILDING

DEVIATION WOULD MEAN DEMOLITION

Necessary steps should be taken for the safety of the lives of the working public and private adjoining construction.

THE SANCTION IS VALID UP TO 04/07/2023

Structural plan and design calculation as submitted by the structural engineer have been kept with B. P. No 2024/130063 Date 05/07/24 for record of the Kolkata Municipal Corporation without prejudice No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary care should be taken for the safety of the adjoining properties public and private properties and safety of human life during construction.

Asst. Engineer/Technical Advisor / Executive Engineer
BOROUGH NO.- XIII, XIV

Fresh Plan
PLC-2024130063

BUILDING DEPARTMENT
5 JUL 2024
THE CAL MUNICIPAL CORP.