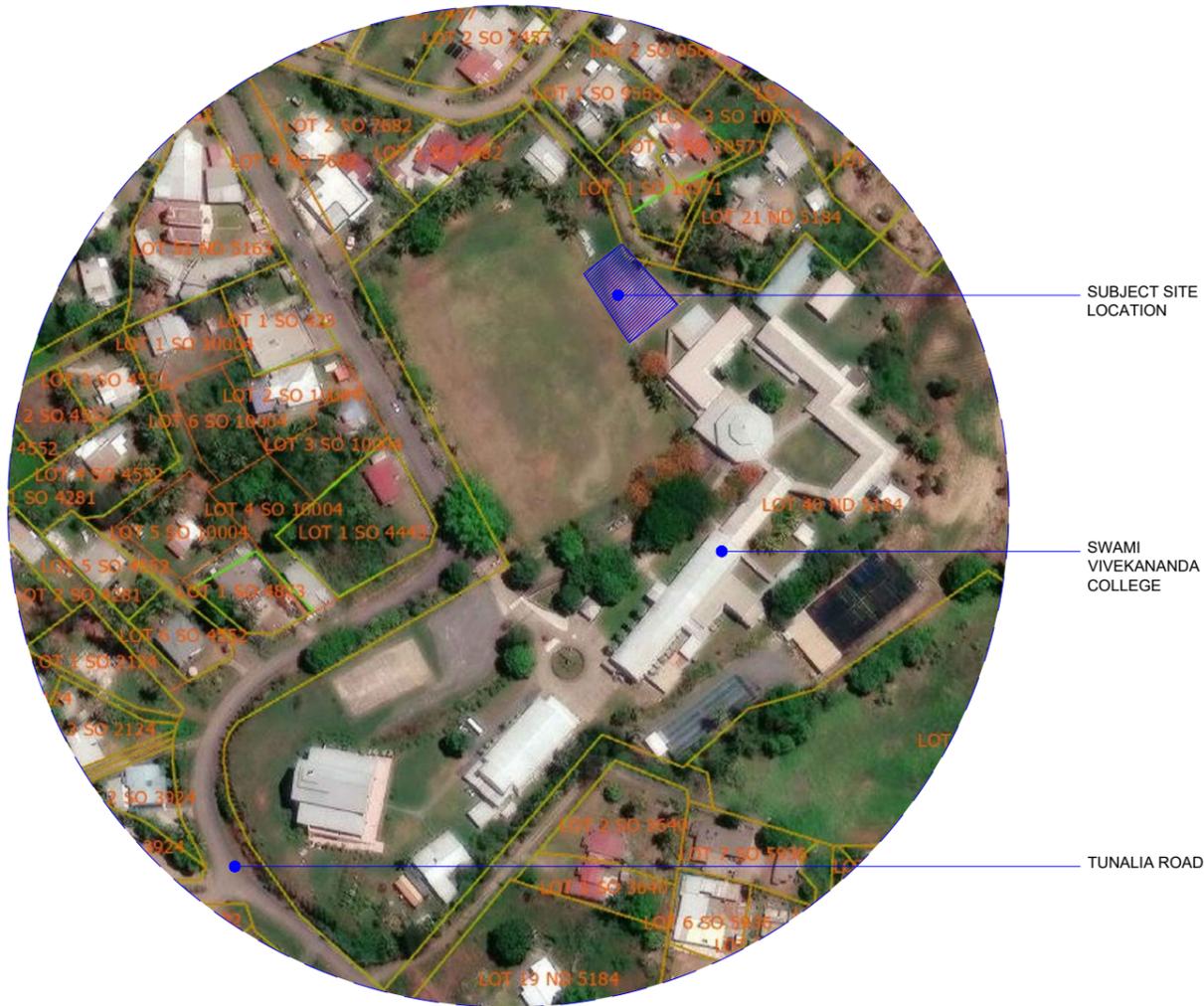


PROPOSED MULTI-PURPOSE COURT. SWAMI VIVEKANANDA COLLEGE

LOT 40, ND
5184, TUNALIA
RD, NADI.



LOCALITY PLAN:

ARCHITECTURAL DRAWING INDEX		
DWG NO	DWG TITLE	REV
A000	INDEX SHEET	-
A100	EXISTING SITE LAYOUT PLAN	-
A101	DEMOLITION WORKS	-
A102	PROPOSED SITE LAYOUT PLAN	-
A200	PROPOSED ENLARGED COURT LAYOUT PLAN	-
A300	PROPOSED SECTION	-
A400	FENCE ETAILS	-
A401	FENCE ETAILS	-

HYDRAULICS DRAWING INDEX		
DWG NO	DWG TITLE	REV
H100	HYDRAULICS COVER SHEET	-
H200	PROPOSED SITE DRAINAGE PLAN	-

HYDRAULICS DRAWING INDEX		
DWG NO	DWG TITLE	REV
S100	STRUCTURAL NOTES	-
S200	FOUNDATION PLAN	-
S300	STRUCTURAL ETAIL	-

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Do not scale prints

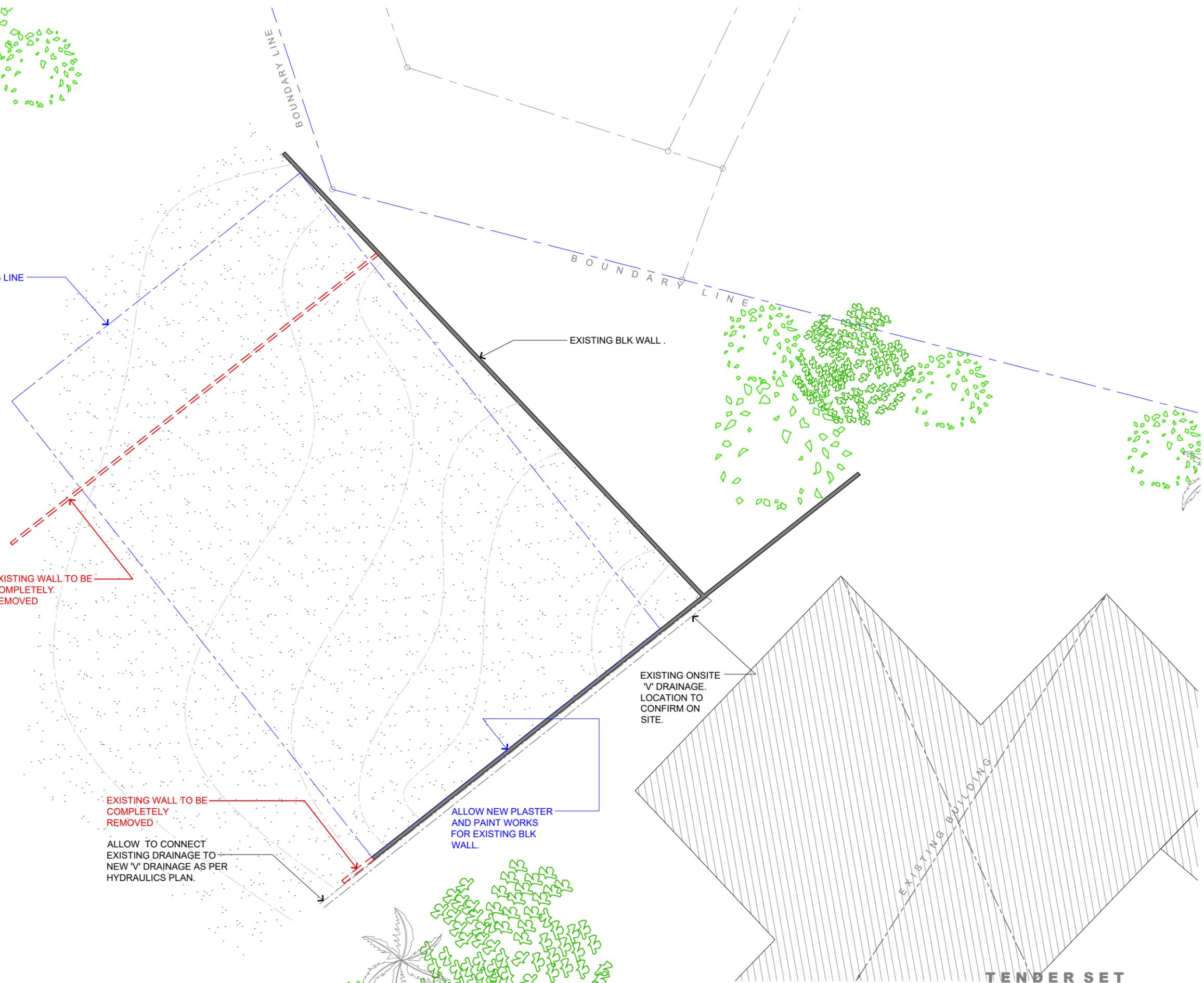


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client
RAMA KRISHNA MISSION

TENDER SET
Drawn: kali, Scale: mts, Sheet no: A000
Design/Checked: KDB, Plot date: 04 FEB 25, Revision no: -



NOTES

THIS DRAWINGS MUST BE READ IN CONJUNCTION WITH AND BE CO-ORDINATE WITH OTHER FLOOR PLANS, SECTIONS AND ELEVATIONS FOR DIMENSIONS AND SPANS.

SITE CHECK ALL DIMENSIONS BEFORE STARTING WORK. REPORT ANY DISCREPANCIES TO THE RESPECTIVE ENGINEER FOR DECISION/ CLARIFICATION BEFORE PROCEEDING WITH WORKS.

PROPERTY BOUNDARY LINES AND BOUNDARY

PEGS TO BE IDENTIFIED AND MARKED ON SITE BY A REGISTERED LAND SURVEYOR.

GRID SETOUT & BUILDING FOOTPRINT IS TO BE SETOUT BY A REGISTERED LAND SURVEYOR.

ARCHITECTS APPROVAL ON SETOUT IS TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS.

CONTRACTOR TO REFER TO ALLOCATED SHEETS OR THE FINISHES SCHEDULE FOR SPECIFIED FINISHES IF NOT STATED IN PLANS.

CONTRACTOR TO REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL DETAILS.

CONTRACTOR TO REFER TO SERVICES DRAWINGS FOR ALL SERVICES DETAILS.

CONTRACTOR TO REFER TO CIVIL DRAWINGS FOR ALL CIVIL WORKS.

CONTRACTOR TO CONFIRM ALL DIMENSIONS AND PROFILES WITH ARCHITECTURAL DRAWINGS. **DO NOT SCALE DRAWINGS.**

CONTRACTOR IS TO OBTAIN A **SITE SETOUT CERTIFICATE** FROM A REGISTERED LAND SURVEYOR.

EXISTING SITE LAYOUT PLAN
SCALE 1:200



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client
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Drawn
kali

Scale
1:200 @ A3

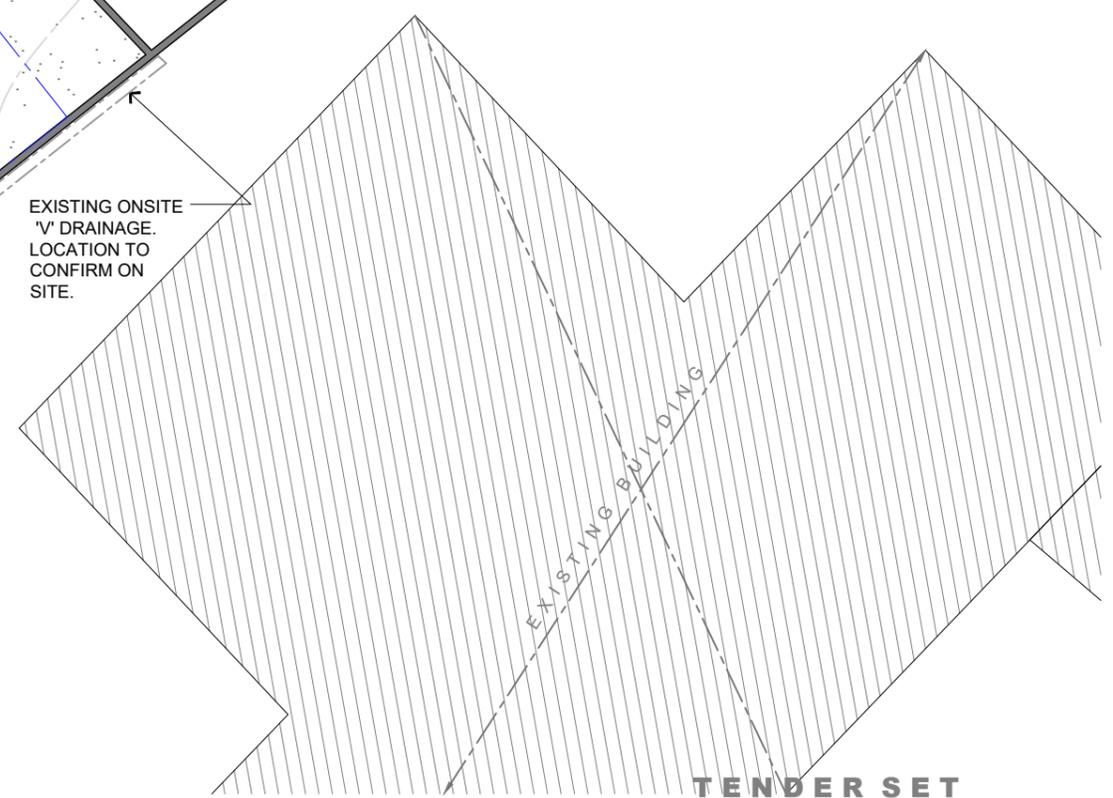
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A100

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KDB

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-

TENDER SET





EXISTING WALL TO BE COMPLETELY REMOVED



ALLOW NEW PLASTER AND PAINT WORKS FOR EXISTING BLK WALL.

ALLOW TO REMOVE 600 ON TOP SOIL TO ALLOW WORKS FOR NEW CONC. FLOOR

EXISTING DRAIN TO REMAIN



ALLOW NEW PLASTER AND PAINT WORKS FOR EXISTING BLK WALL.

EXISTING DRAIN TO REMAIN



ALLOW NEW PLASTER AND PAINT WORKS FOR EXISTING BLK WALL.

ALLOW TO REMOVE 600 ON TOP SOIL TO ALLOW WORKS FOR NEW CONC. FLOOR



ALLOW NEW PLASTER AND PAINT WORKS FOR EXISTING BLK WALL.

ALLOW TO REMOVE 600 ON TOP SOIL TO ALLOW WORKS FOR NEW CONC. FLOOR

DEMOLITION WORKS

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Drawn
kali

Scale
NTS

Sheet no
A101

Design/Checked
KDB

Plot date
04 FEB 25

Revision no.
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TENDER SET

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PROPOSED SITE LAYOUT PLAN
SCALE 1:200

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RAMA KRISHNA MISSION

Drawn
kali

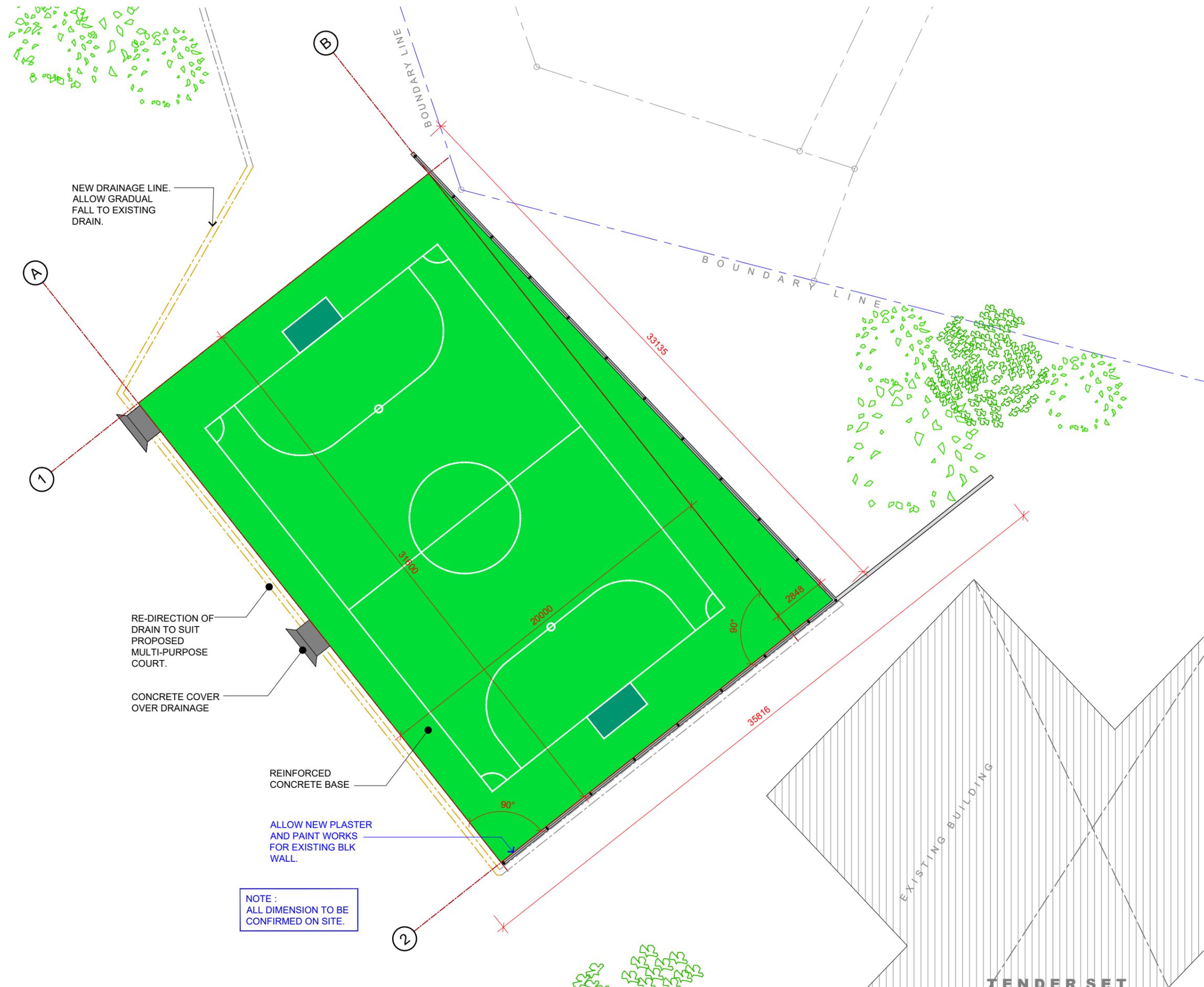
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Sheet no
A102

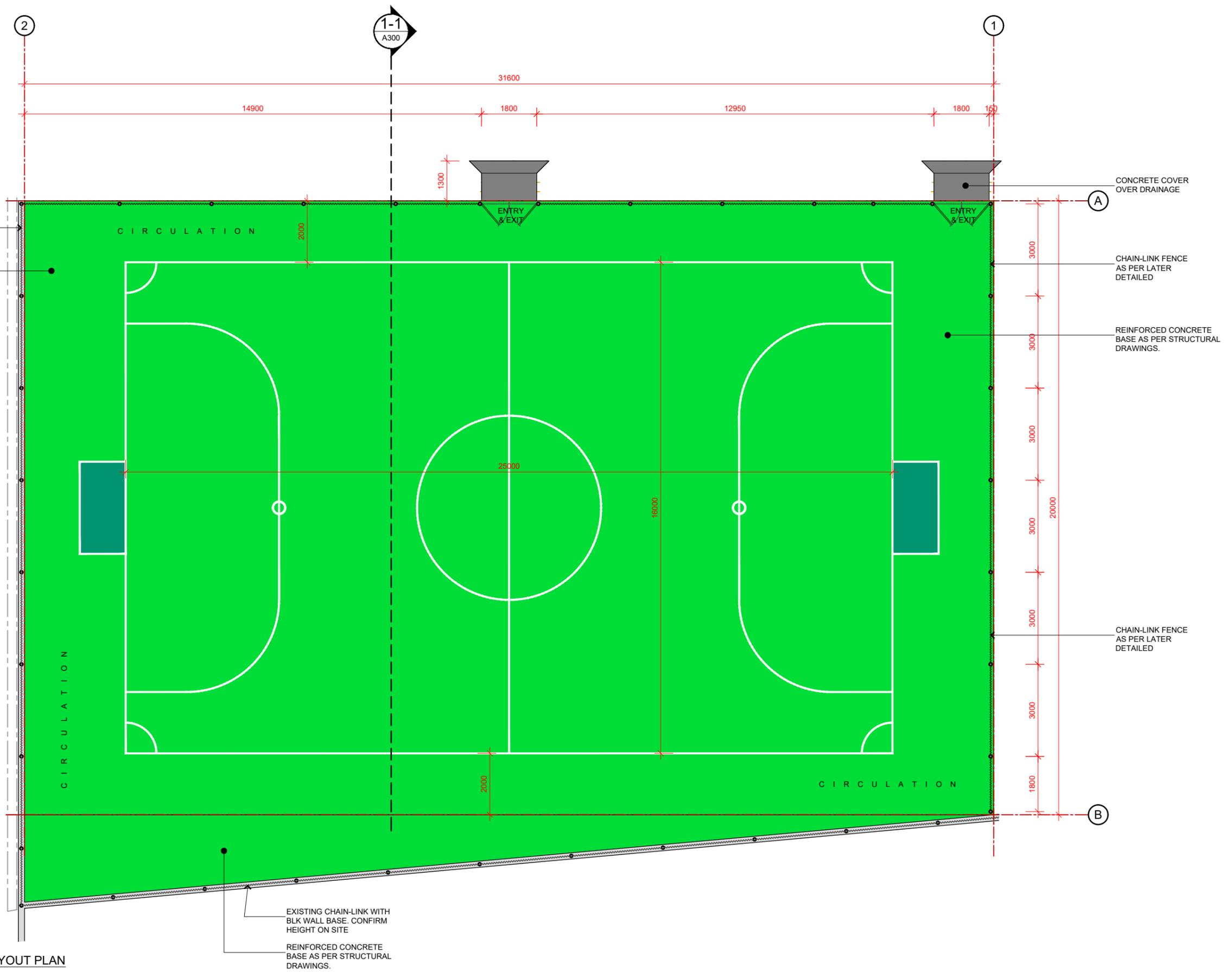
Design/Checked
KDB

Plot date
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Revision no.
-



TENDER SET



- NOTES**
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 - CONTRACTOR TO OBTAIN A **SITE SETOUT CERTIFICATE** FROM A REGISTERED LAND SURVEYOR.

PROPOSED ENLARGED COURT LAYOUT PLAN
SCALE 1:125

EXISTING CHAIN-LINK WITH BLK WALL BASE. CONFIRM HEIGHT ON SITE
REINFORCED CONCRETE BASE AS PER STRUCTURAL DRAWINGS.

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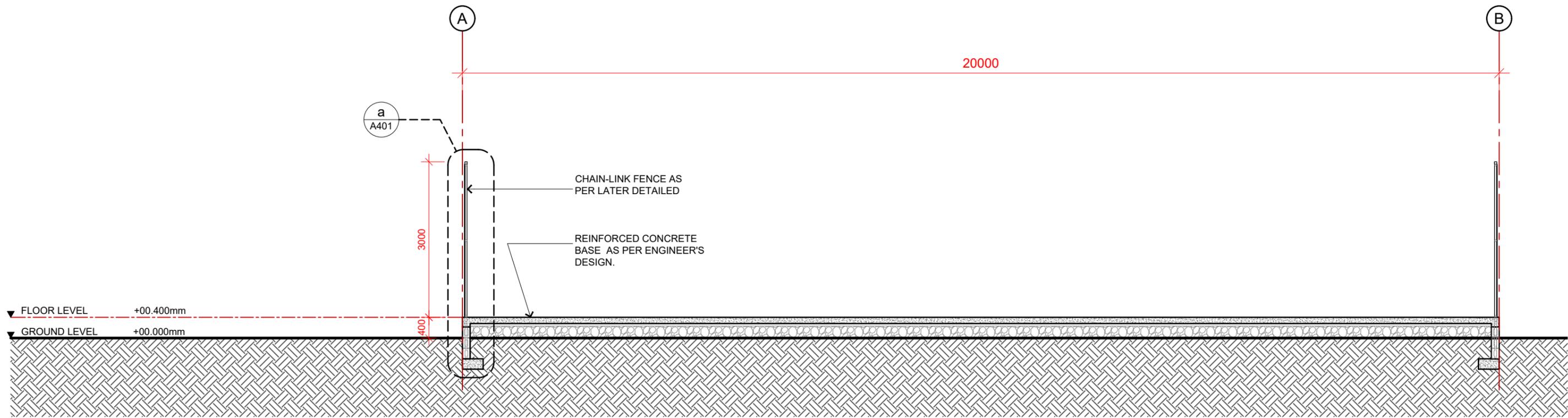


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TENDER SET		
Drawn	Scale	Sheet no
kali	1:125 @ A3	A200
Design/Checked	Plot date	Revision no.
KDB	04 FEB 25	-



1-1 PROPOSED SECTION
A200 SCALE 1:75

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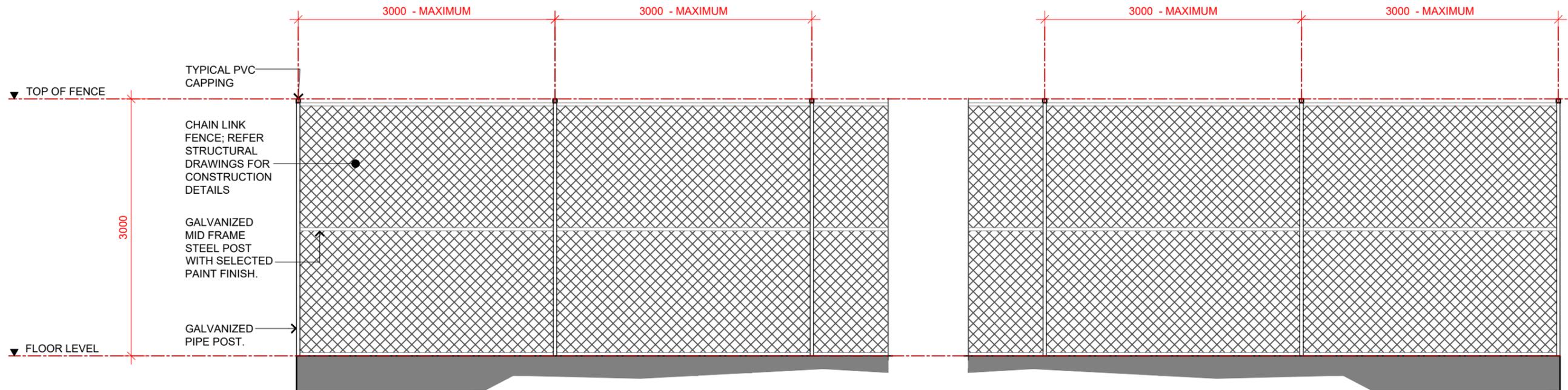
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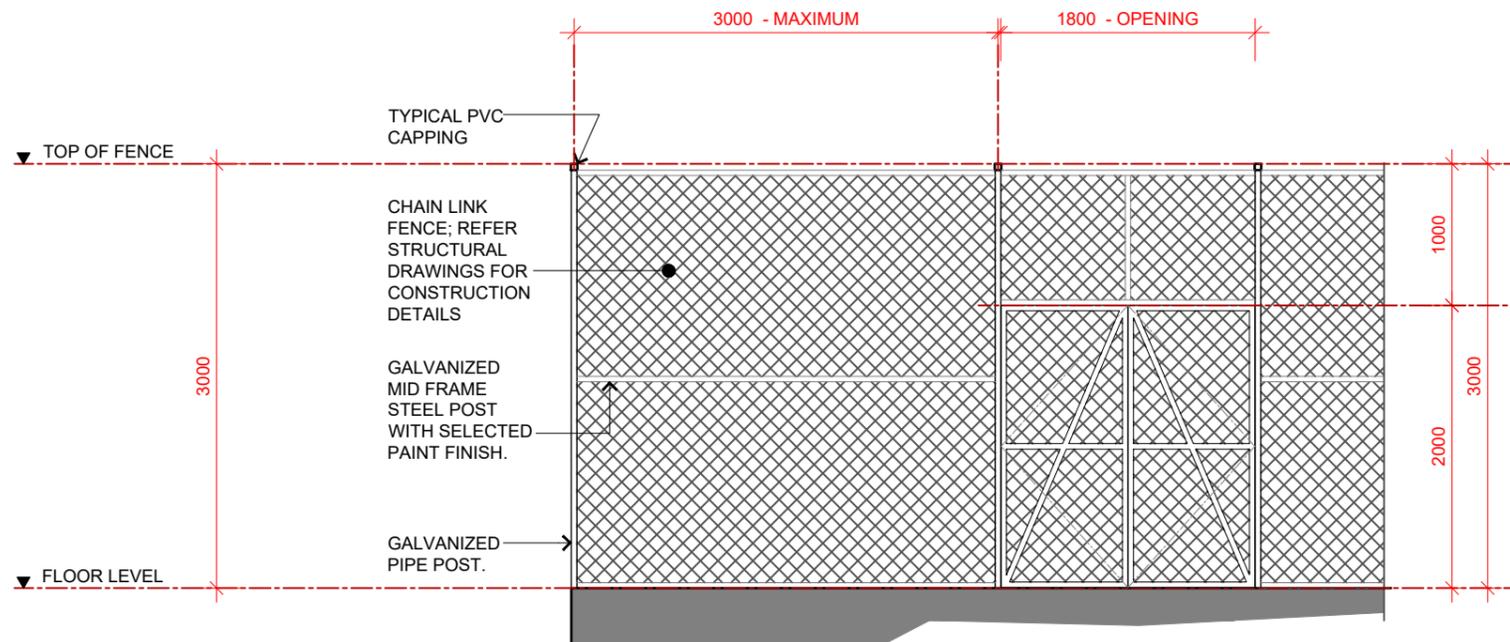
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TENDER SET		
Drawn	Scale	Sheet no.
kali	1:75 @ A3	A300
Design/Checked	Plot date	Revision no.
KDB	04 FEB 25	-



 **TYPICAL FENCING ELEVATION**
SCALE 1:50



 **TYPICAL FENCING OPENING ELEVATION**
SCALE 1:50

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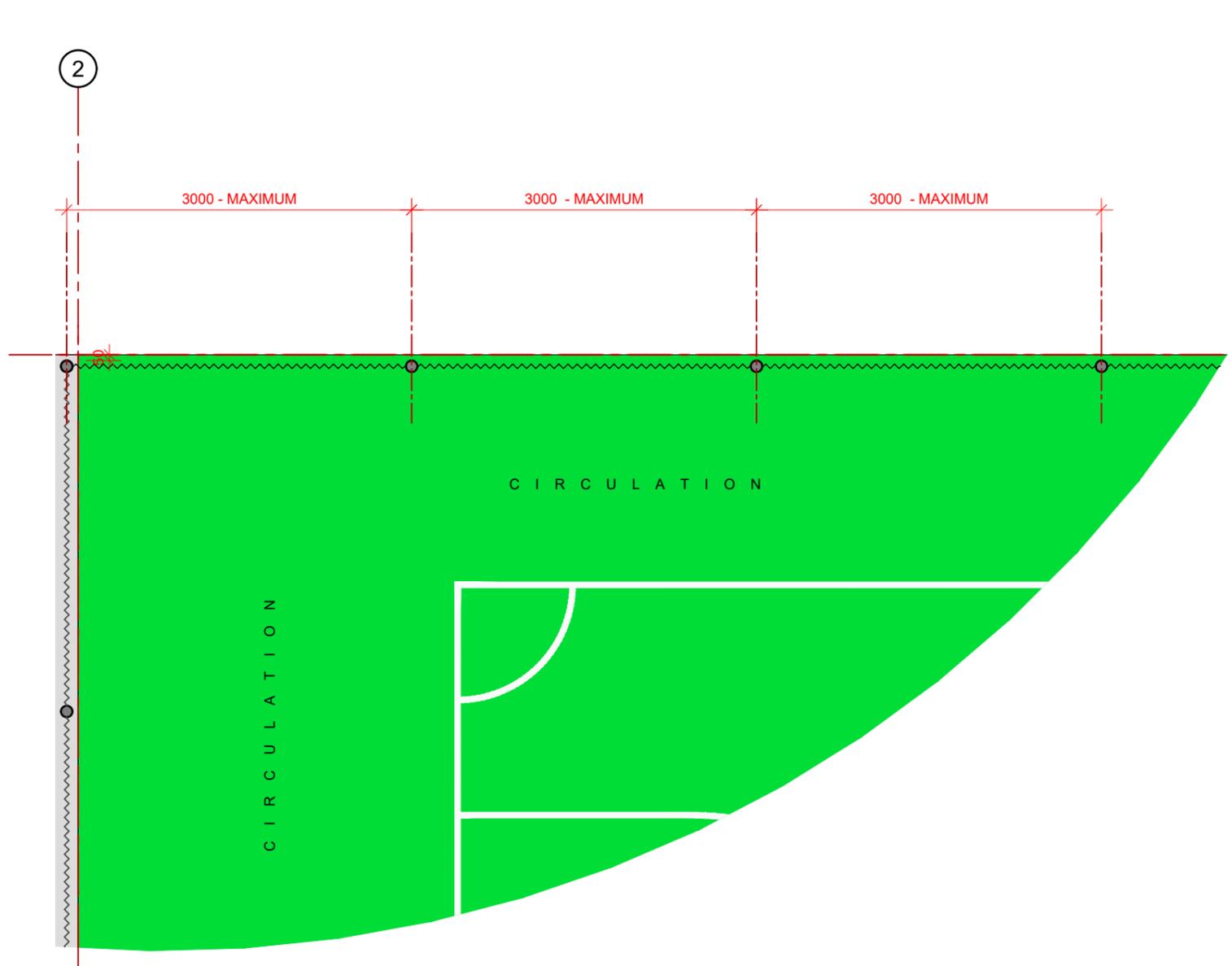
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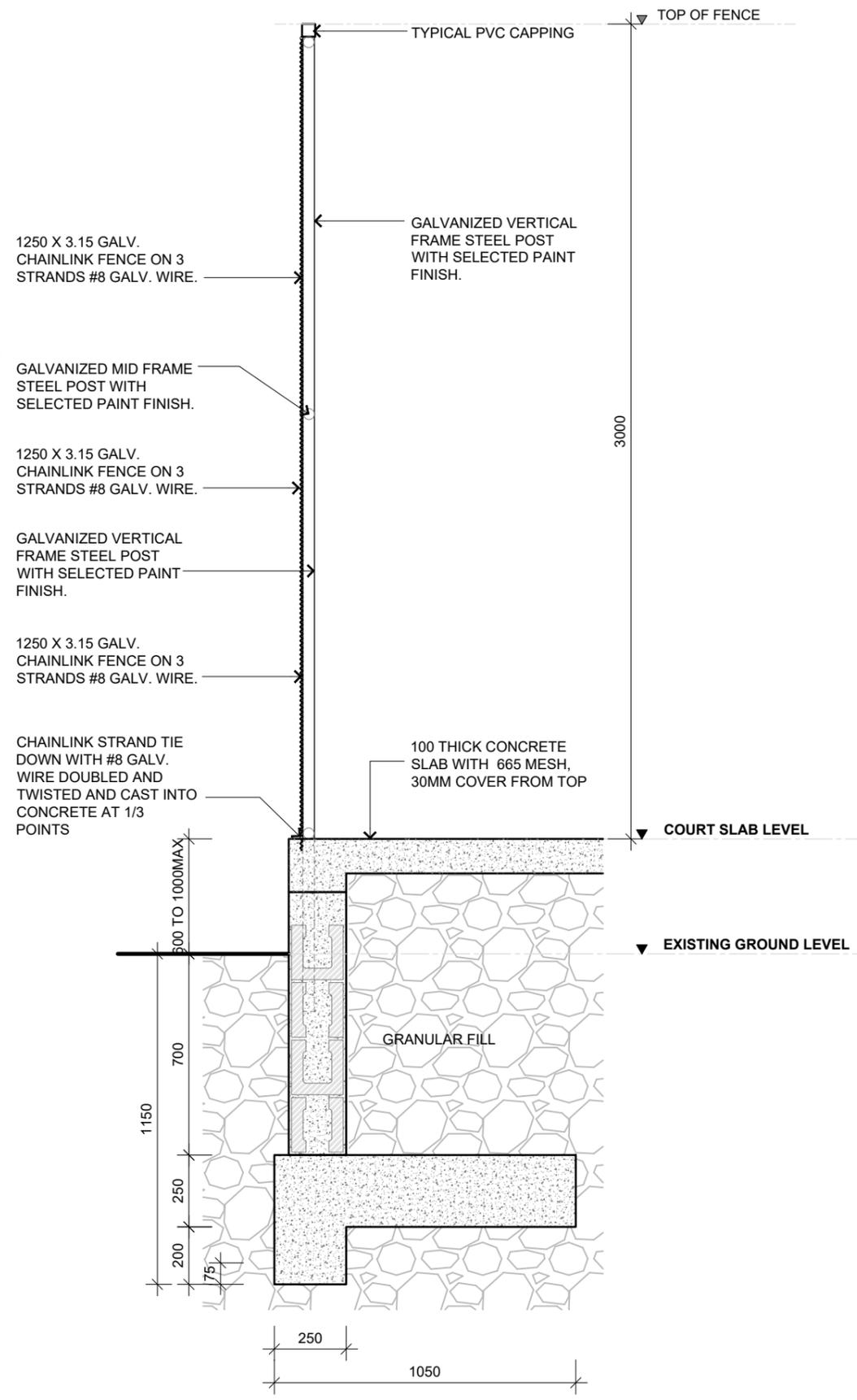
client
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TENDER SET

Drawn kali	Scale 1:50 @ A3	Sheet no A400
Design/Checked KDB	Plot date 04 FEB 25	Revision no. -



○ TYPICAL FENCING LAYOUT
SCALE 1:50



○ a FENCE SECTION
A300 SCALE 1:20

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Drawn
kali

Scale
as shown

Sheet no
A401

Design/Checked
KDB

Plot date
04 FEB 25

Revision no.
-

TENDER SET

HYDRAULICS DRAWING INDEX		
DWG NO	DWG TITLE	REV
H100	HYDRAULICS COVER SHEET	-
H200	PROPOSED SITE STORM WATER DRAINAGE PLAN	-

GENERAL NOTES:

THIS DRAWING IS INDICATIVE ONLY AND SHALL ONLY BE USED AS A GUIDELINE FOR THE FINAL DETAILS AND DRAWINGS TO BE PRODUCED BY THE SELECTED SPECIALISED MANUFACTURER OR SUB-CONTRACTOR.

THIS DRAWING MUST BE READ IN CONJUNCTION WITH AND BE CO-ORDINATE WITH OTHER FLOOR PLANS, SECTIONS AND ELEVATIONS FOR DIMENSIONS AND SPANS.

SITE CHECK ALL DIMENSIONS BEFORE STARTING WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER FOR DECISION/CLARIFICATION BEFORE PROCEEDING WITH WORKS.

PROVIDE ALL NECESSARY PENETRATIONS THROUGH CONCRTE BLOCKWORK AND BUILDING FINISHES TO ACCOMODATE PIPEWORK. PENETRATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO THEIR CONSTRUCTION.

TRENCH BACK FILLING UNDER PAVEMENTS AND BUILDING SLABS TO FORMATION LEVEL SHALL BE CLASS 3 FINE CRUSHED ROCK COMPACTED IN LAYERS OF 150MM MAXIMUM COMPACTED THICKNESS TO 95% STANDARD MAXIMUM DRY DENSITY.

SANITARY FITTINGS AS SPECIFIED TO BE PROVIDED AND INSTALLED.

APPLY TO LOCAL WATER & SEWERAGE DEPARTMENT FOR ALL NECESSAY PERMITS. PAY ALL CHARGES AND FEES.

WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE FIJI NATIONAL BUILDING CODE.

NOTE:

HYDRAULICS SERVICES CONTRACTOR TO MAKE ALLOWANCE TO CONNECT TO PWD WATER LINE & SEWER MANHOLE. ENGINEER SHALL CARRY OUT SITE INSPECTIONS TO LOCATE EXISTING SERVICES ON SITE PRIOR TO TENDER SUBMISSION.

PLUMBING LEGEND

———— 100Ø PVC SEWER PIPE
> DIRECTION OF FALL

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RAMA KRISHNA MISSION

TENDER SET
Drawn Scale Sheet no
kali NTS H100
Design/Checked Plot date Revision no
KDB 04 FEB 25 -

COLD WATER SERVICE:

CW PIPING SHALL BE A MINIMUM OF 20MM DIAMETER EXCEPT FOR THE LAST 3M TO A SINGLE FIXTURE WHICH MAY BE 15MM DIAMETER.

CONCEAL ALL PIPE WORK WHEREVER POSSIBLE WITHIN DUCTS AND CAVITIES.

PROVIDE, FIX AND CONNECT ALL COLD WATER PIPE WORKS IN POSITIONS SHOWN INCLUDING ALL NECESSARY FITTINGS ETC.

AT OTHER LOCATIONS ISOLATE INDIVIDUAL FIXTURE TAPWARE BY PROVIDING STOP TAPS AT THE WALL BELOW EACH FIXTURE.

TAKE ALL PRECAUTIONS TO PREVENT WATER HAMMER AND RECTIFY SHOULD IT OCCUR.

SANITARY PLUMBING & DRAINAGE:

SOIL WASTE & DRAINAGE SHALL BE: UPVC COMPLIANCE TO AS1415
SEWER DRAIN PIPES SHALL BE: UPVC COMPLIANCE TO AS1260
100MM DIAMETER UNLESS NOTED OTHERWISE.

PROVIDE, FIX AND CONNECT ALL VENT PIPES IN POSITIONS SHOWN INCLUDING ALL NECESSARY FITTINGS ETC.

PROVIDE, FIX AND CONNECT ALL PLUMBING FITTINGS IN POSITIONS SHOWN INCLUDING ALL NECESSARY FITTINGS ETC.

BEFORE COMMENCING DRAINAGE WORK, OBTAIN BY SITE MEASUREMENT, THE INVERT LEVELS OF ALL DRAINS TO WHICH CONNECTION IS TO BE MADE. CONFIRM THAT EXISTING AND PROPOSED LEVELS ARE COMPATIBLE.

FLOOR WASTE SHALL HAVE CHROME PLATED BRASS OF NICKEL BRONZE REMOVABLE GRATINGS. EXACT LOCATIONS OF FWG TO BE CONFIRMED ON SITE.

VENTS TO BE TERMINATED 150MM ABOVE ITS POINT OF PENETRATION THROUGH ROOF COVERING.

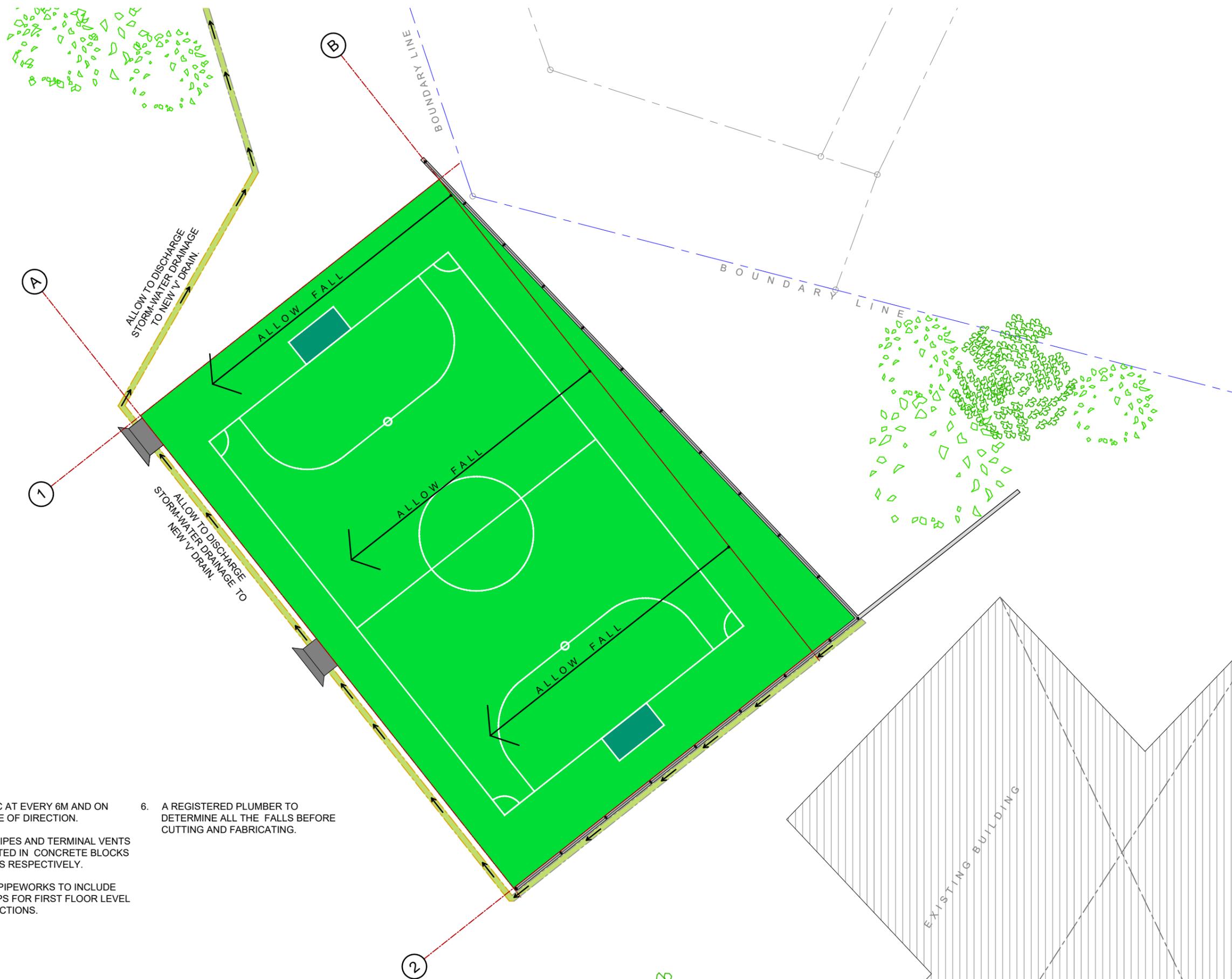
MINIMUM GRADIENT OF VENT IS 1.25% OR 1.80%.

MINIMUM GRADIENT OF DISCHARGE PIPE:		
SIZE	MINIMUM GRADE	
	%	RATIO(V:H)
DN40	2.5	1:40
DN50	2.5	1:40
DN65	2.5	1:40
DN80	2.5	1:40
DN100	1.65	1:60
DN150	1.65	1:180

SIZE OF INSPECTION CHAMBERS:
IN ACCORDANCE WITH THE FIJI NATIONAL BUILDING CODE.

HYDRAULIC KEYS

SS	DOUBLE BOWL STAINLESS STEEL KITCHEN SINK AS SELECTED	TV	100Ø PVC TERMINAL VENT	GT	STANDARD GREASE TRAP (To Commercial Kitchen Sinks only)
WC	TOILET SUITE AS SELECTED	IC	STANDARD 600 x 600 INSPECTION CHAMBER	GT	STANDARD GULLEY TRAP
VB	VANITY BASIN AS SELECTED	DP	100Ø COLOURBOND DOWN PIPE WITH ASSOCIATED FITTINGS	U	URINAL AS SELECTED
SHR	80Ø PVC SPIGOT WITH SELECTED SHOWER FLOOR GRATE	CI	100Ø UPVC CLEANING EYE & JUNCTION	SD	SURFACE DRAIN SIMILAR TO DP SUMP; SEE DETAILS
FWT	80Ø PVC SPIGOT WITH SELECTED FLOOR WASTE TRAP				

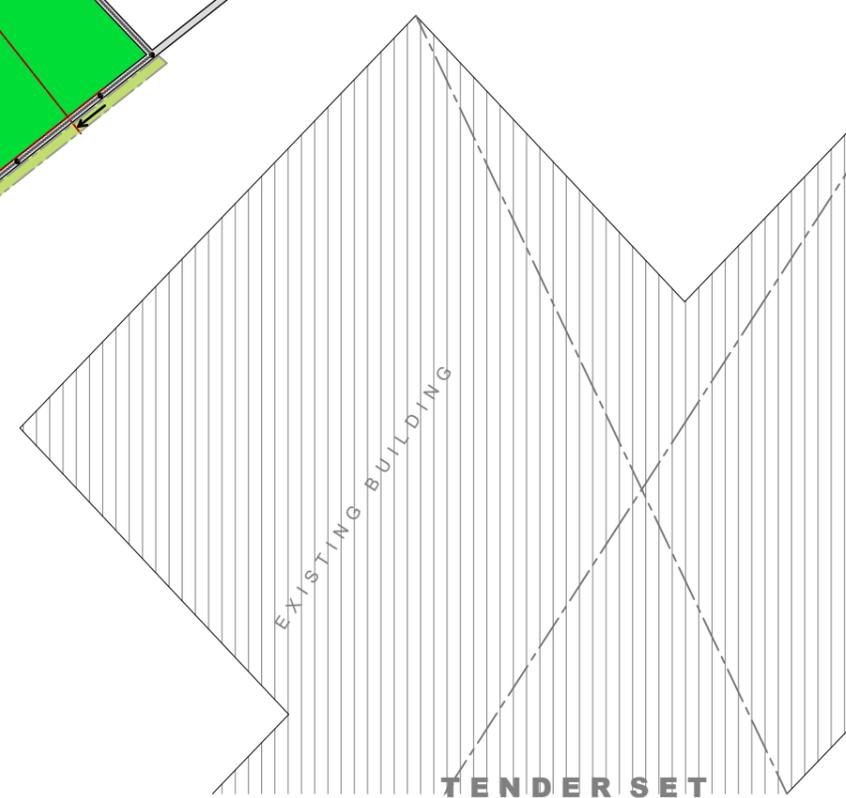


- ==== - 100 Ø PVC SEWER PIPE
- - UNDERGROUND STORM WATER DRAINAGE PIPE 100Ø
- - 100 Ø PVC WASTE WATER PIPE
- ← -DIRECTION OF FALL

NOTES

1. ALL RAINWATER TO BE COLLECTED INTO THE DP SUMP AND DISCHARGED TO THE EXISTING STORM WATER DRAIN/OPEN DRAINS.
2. ALL WASTE WATER TO BE COLLECTED IN THE INSPECTION CHAMBER AND DISCHARGED INTO EXISTING SEWER CONNECTIONS.
3. PROVIDED IC AT EVERY 6M AND ON ANY CHANGE OF DIRECTION.
4. ALL DOWN PIPES AND TERMINAL VENTS TO BE CASTED IN CONCRETE BLOCKS OR COLUMNS RESPECTIVELY.
5. ALL WASTE PIPEWORKS TO INCLUDE BOSCH TRAPS FOR FIRST FLOOR LEVEL PIPE CONNECTIONS.
6. A REGISTERED PLUMBER TO DETERMINE ALL THE FALLS BEFORE CUTTING AND FABRICATING.

PROPOSED SITE DRAINAGE PLAN
SCALE 1:200



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client
RAMA KRISHNA MISSION

Drawn
kali

Scale
1:200

Sheet no
H200

Design/Checked
KDB

Plot date
04 FEB 25

Revision no.
-

GENERAL NOTES

1. GENERAL

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

2. ABBREVIATIONS

R.L	- REDUCED LEVEL	UNO	- UNLESS NOTED OTHERWISE
F.L.	- FLOOR LEVEL	GALV	- GALVANIZED
G.L.	- GROUND LEVEL	MS	- MILD STEEL GRADE 300
C	- CENTRE LINE	D	- DEFORMED BAR
CRS	- CENTRE TO CENTRE	R	- PLAIN ROUND BAR
DIA OR Ø	- DIAMETER	HD	- HIGH TENSILE DEFORMED BAR
E.F	- EACH FACE	HR	- HIGH TENSILE ROUND BAR
E.W	- EACH WAY	C	- COVER TO MAIN STEEL
T & B	- TOP & BOTTOM	NTS	- NOT TO SCALE

3. DIMENSIONS / DATUM

ALL DIMENSIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING WORK REFERENCE DATUM TO ALL BUILDING LEVELS IS MSL UNO.

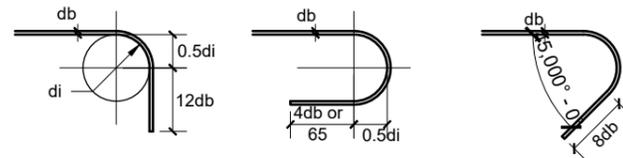
4. REINFORCEMENT

- (A) STANDARD - NZS 3402 CURRENT EDITION
 GRADE - 300 MILD STEEL
 - 430 HIGH TENSILE STEEL

(B) BENDING OF REINFORCEMENT

- (1) BARS PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE SITE BENT, UNLESS SHOWN ON THE DRAWING OR SPECIFICALLY APPROVED
 (11) MINIMUM BEND DIAMETERS

BAR DIA db	BEND DIAMETER di		
	GENERAL	STIRRUPS & TIES	
		PLAIN BAR	DEFORMED BAR
6 - 20	5db	2db	4db
24 - 40	6db	-	-
24		3db	6db



- (B) UNLESS NOTED OTHERWISE ON THE DRAWINGS THE FOLLOWING MINIMUM COVERS APPLY:

MEMBER	BELOW GROUND LEVEL		ABOVE GROUND LEVEL		
	AGAINST NATURAL GROUND	AGAINST APPROVED BOXING & BACKFILL OR SIMILAR	EXPOSED TO WEATHER & UNPLASTERED	EXPOSED TO WEATHER & PLASTERED	NOT EXPOSED TO WEATHER
FOOTING	75	50			
BEAM & COLUMN	75	50	50	40	40
(a) PRINCIPAL REINF					
(b) SECONDARY REIN	65	40	40	25	25
SLABS	50	40	40	20	20
WALLS	50	40	40	20	20

(D) LAPS FOR RC / BEAMS / COLUMNS

FORM SPLICED LAPS WITHOUT HOOKS UNO. LAP LENGTHS SHALL BE 48xBAR DIA. FOR HIGH YEILD, GRADE 430 STEEL AND 32xBAR DIA. FOR GRADE 300 MILD STEEL BARS.

STAGGER LAPS AS MUCH AS PRACTICABLE AND PLACE LAPS IN LOW STRESS LOCATIONS WHICH SHALL BE AS FOLLOWS:

- BEAM TOP BARS WITHIN CENTRAL HALF OF BEAM SPANS
- BEAM BOTTOM BARS WITHIN 1/4 SPAN ON EITHER SIDE OF COLUMNS
- SLAB BOTTOM BARS WITHIN 1/4 SPAN OF BEAM PERIMETER SUPPORTS
- COLUMN VERTICAL BARS WITHIN CENTER OF MID FLOOR TO FLOOR HEIGHTS
- ALLOW TO LAP WELDED WIRE MESH ONE SQUARE UNO FOR RC FLOOR SLAB ON GROUND

(E) COLUMN TIES AND BEAM STIRRUPS

- UNO ALL COLUMN TIES TO BE CONTINUOUS THRU BEAM COLUMN JOINTS AT FLOOR LEVELS AND FIRST BEAM STIRRUPS TO BE PLACED NO FURTHER THAN 1/2 STIRRUP SPACING FROM COL. VERTICAL REINF.

- ALL HOOKS ON STIRRUPS AND TIES MUST FIT CLOSELY AROUND MAIN TIES AND SMALL HOLES ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS. BARS UNO

(F) NIBS, CHASES, REBATES AND SMALL HOLES:

- NIBS FOR ARCHITECTURAL PURPOSES MUST BE CAST INTEGRALLY WITH MAIN STRUCTURAL CONCRETE, CHASES REBATES, INSERTS, RAG BOLTS, MASONRY

REFER ARCHITECTURAL / SERVICES CONSULTANTS DRAWING FOR DETAILS.

- RAG BOLTS, HOLDING DOWN BOLTS, SLEEVES AND FIXING IN CONCRETE CAST - IN BOLTS AND FIXING MUST BE CANCELED TO THE SAME STANDARD AS REINFORCING STEEL.

5. CONCRETE

f'c = 25MPa

SLUMP = 65mm + 15mm

f'c = 17.5MPa

SLUMP = 65mm + 15mm

SITE MIX CONCRETE SHALL BE IN THE FOLLOWING PROPERTIES BY VOLUME:

	25MPa	20MPa	17MPa
COARSE AGGREGATE (20mm MAX SIZE)	3	4	4
FINE AGGREGATE	1.5	2	3
CEMENT	1	1	1

6. STRUCTURAL STEEL

(A) STANDARDS

STEEL PLATES FOR BRACKETS SHALL CONFORM TO AS 1594

WELDING OF BRACKETS SHALL COMPLY WITH AS 1554

(B) GALVANIZING

ALL STEEL BOLTS, WASHERS, BRACKETS AND CLEATS SHALL BE HOT DIPPED GALVANIZED TO AS 1650

7. TIMBER

(A) STRUCTURAL FRAMING TIMBER SHALL BE FIJI - C - SELECT CORRESPONDING TO STRESS GRADE F7 SEASONED AND PRESERVATIVE TREATED ACCORDING TO FIJI FORESTRY DEPARTMENT RECOMMENDATIONS FOR THE RESPECTIVE END USE

(B) ALL BOLTS SHALL CONFORM TO NZS/AS 1111 AND WASHERS TO AS 1237

BOLT SIZE	SQ. WASHER	ROUND WASHER
M10 OR M12	40 X 40 X 3.0	40Ø X 3.0
M16 OR M20	50 X 50 X 4.0	50Ø X 4.0

8. ROOF

ROOF CLADDING SHALL BE AS SPECIFIED BY THE ARCHITECT AND FIXED WITH APPROPRIATE TYPE 17 SCREWS AT CORRUGATION CENTERS AS SPECIFIED FOR CYCLONIC REGIONS BY THE MANUFACTURER, COMPLETE WITH STEEL CYCLONIC SUPPORT AND EPDM SEALING WASHERS.

TENDER SET

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project

PROPOSED MULTI-PURPOSE COURT,
 SWAMI VIVEKANANDA COLLEGE
 @LOT 40, ND 5184, TUNALIA RD, NADI.

client

RAMA KRISHNA MISSION

Drawn

kali

Scale

NTS

Sheet no

S100

Design/Checked

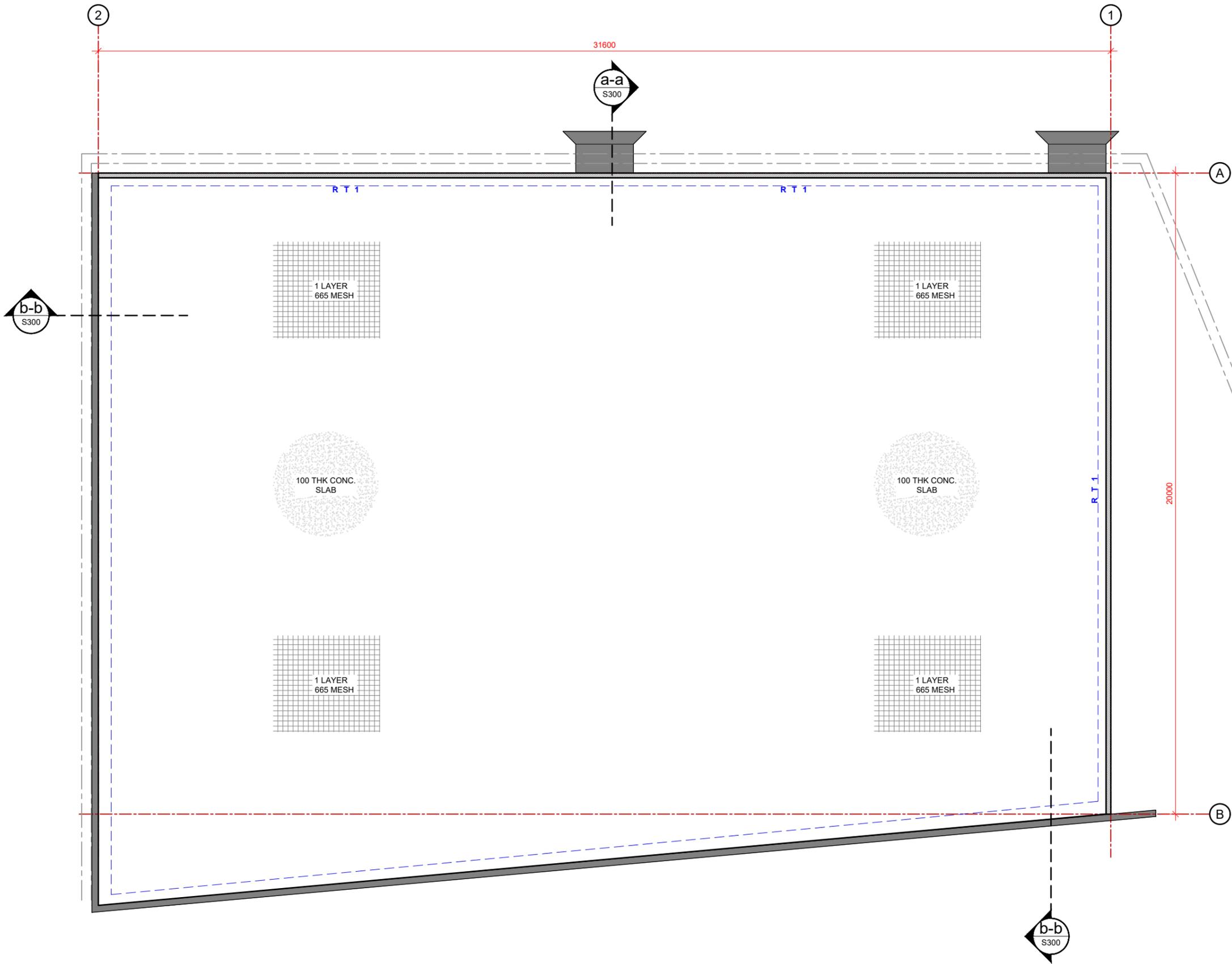
KDB

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FOUNDATION CONSTRUCTION NOTES:

- FOUNDATION PLAN TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS FOR PROPER SET OUT OF STEP-DOWNS, FALLS AND DOOR/WINDOW OPENINGS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY SET OUT DISCREPANCIES.
- ALL MASONRY MATERIALS AND WORKMANSHIP SHALL COMPLY WITH NZS 4210:2001
- ALL STRUCTURAL STEEL SHALL BE PROVIDED WITH A PROTECTIVE COATING SYSTEM IN ACCORDANCE WITH AS/NZS 2312: 2002 FOR 'LONG TERM' DURABILITY RANGE (10-15 YEARS).
- FOOTINGS SHALL BE FOUNDED ON SOUND SUB GRADE AT THE MIN. DEPTH BELOW GROUND LEVEL AS STATED.
- UNLESS NOTED OTHERWISE, CONCRETE COVERS TO COMPLY WITH TABLE 4 (C) OF THE GENERAL NOTES SECTION.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH NZS 3109:1997 AND LOCAL AUTHORITY'S RULES & REGULATIONS.
- UNLESS NOTED OTHERWISE, ALL STEEL REINFORCEMENT SHALL BE GRADE 430 TO AS/NZS 4671:2001.
- ALL METAL FASTENERS, BOLTS, NUTS & WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE TO AS/NZS 4680:2006.
- CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 25MPa.
- ALL FILL MATERIALS UNO SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND COMPACTED IN 150MM LAYERS TO 98% OF MAXIMUM DRY DENSITY AND TESTED IN ACCORDANCE WITH GEOTECHNICAL SPECIFICATIONS.
- NON-COMPLIANT AREAS SHALL BE EXCAVATED, FILLED WITH MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER AND COMPACTED IN 150mm LAYERS TO ACHIEVE REQUIRED COMPACTION
- FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING CAPACITY OF 100 kPa, FOUNDED ON SOUND SUB-GRADE.

FOUNDATION LEGEND:

- SF1 - 450 WIDE x 200 DEEP WALL FOOTING

FOUNDATION PLAN
SCALE 1:125

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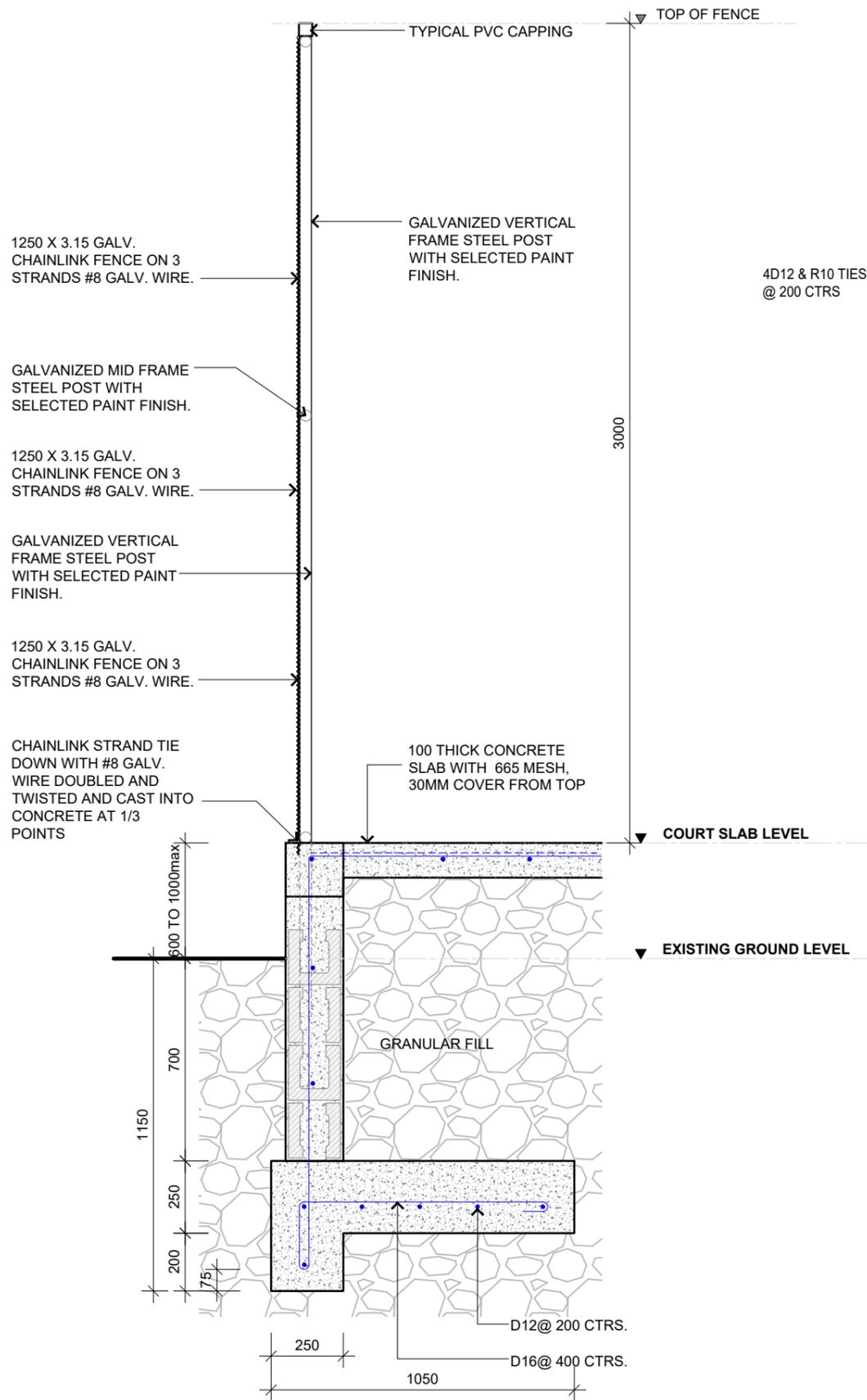
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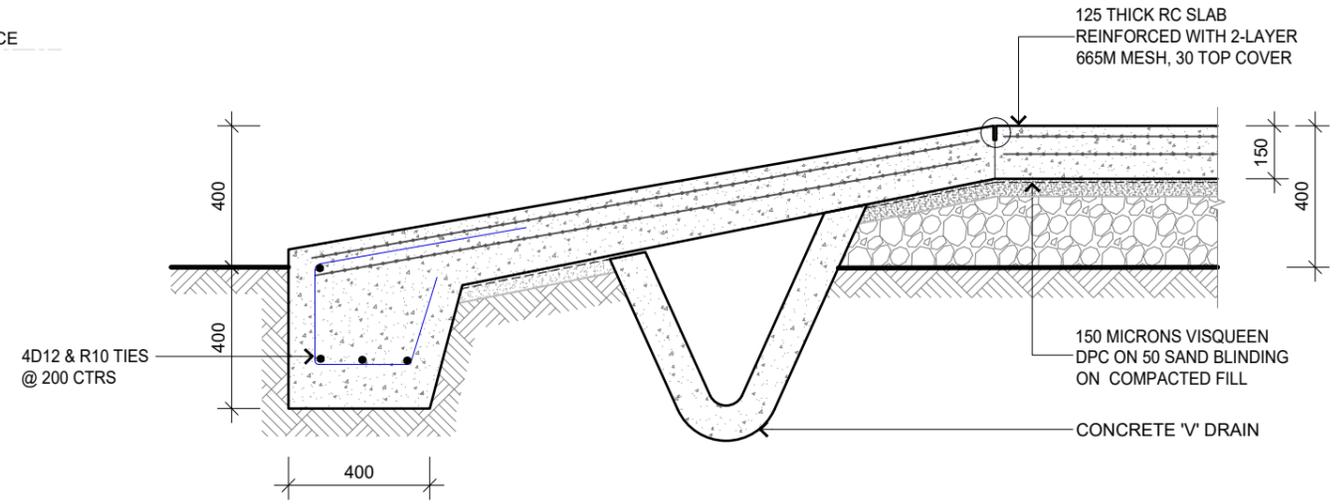
client
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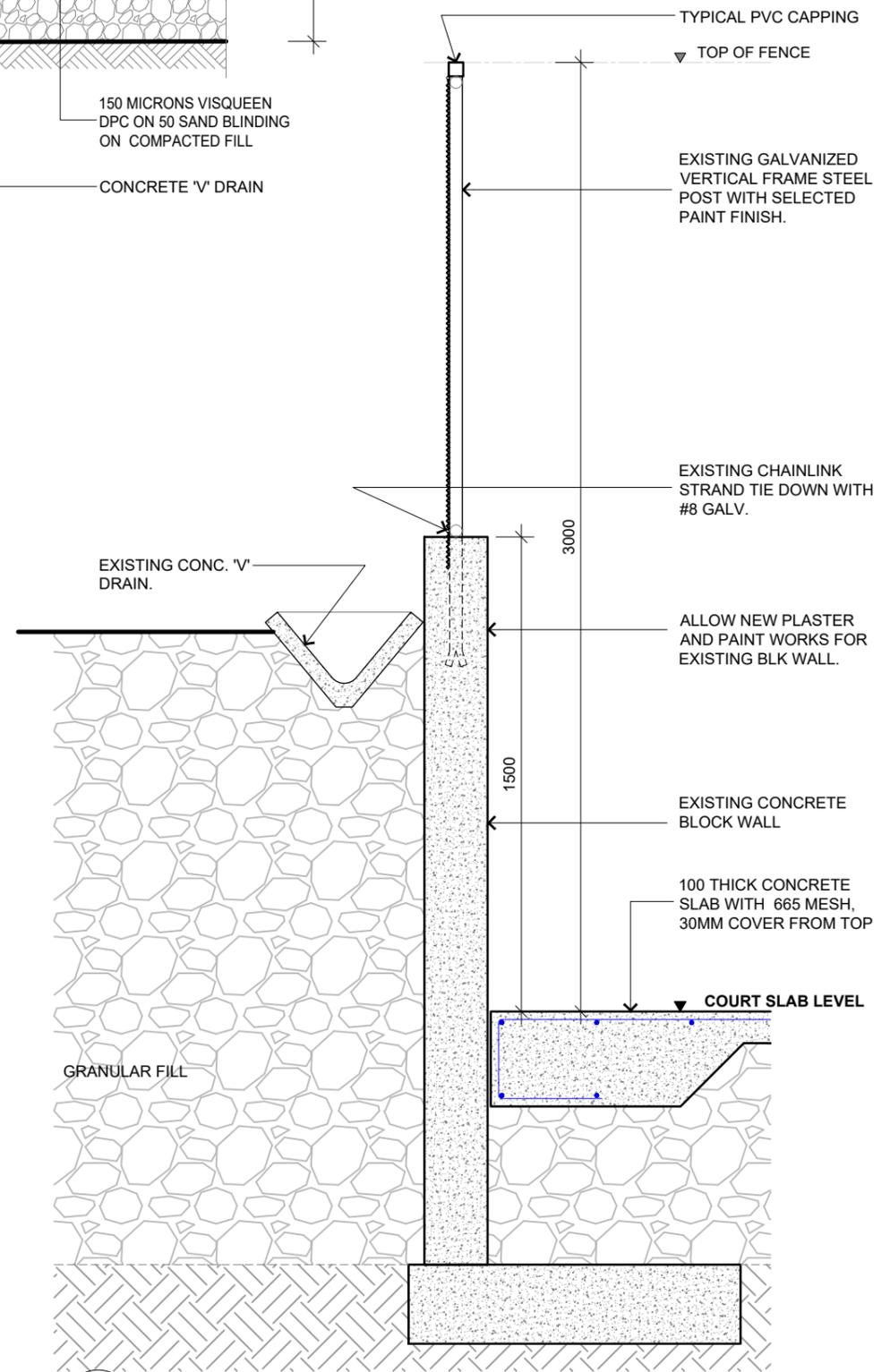
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RT1 RETAINING WALL 1
S200 SCALE 1:20



a-a TYP. RAMP DETAIL @ ENTRY
S200 SCALE 1:20



b-b EXISTING RETAINING WALL DETAIL
S200 SCALE 1:20

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