



LOCATION PLAN



DEVELOPMENT APPLICATION

ORAN PARK - TRANCHE 8

CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK

DA DRAWING LIST		
SHEET NUMBER	SHEET NAME	REVISION
DA0000	COVER SHEET	3
DA1001	SITE PLAN	9
DA1002	SHADOW DIAGRAMS	3
DA2001	BASEMENT 2 AND 3 PLANS	9
DA2002	BASEMENT 1 PLAN	10
DA2101	GROUND LEVEL AND LEVEL 1 PLANS	9
DA2102	LEVEL 2 AND LEVEL 3 PLANS	9
DA2103	LEVEL 4 AND LEVEL 5 PLANS	9
DA2104	LEVEL 6 AND ROOF PLAN	10
DA2801	AREA CALCULATIONS - GFA	3
DA3101	ELEVATIONS - SHEET 1	5
DA3102	ELEVATIONS - SHEET 2	3
DA3201	SECTIONS	9
DA3901	PERSPECTIVES - SHEET 1	3

Revisions No.	Date	Description	Ver	App'd
1	13/10/17	ISSUED FOR DA SIGNOFF		
2	26/10/17	ISSUED FOR DA		
3	05/04/18	REVISED DA - COUNCIL COMMENTS		

Key

Client
**GREENFIELDS DEVELOPMENT
COMPANY**

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Project
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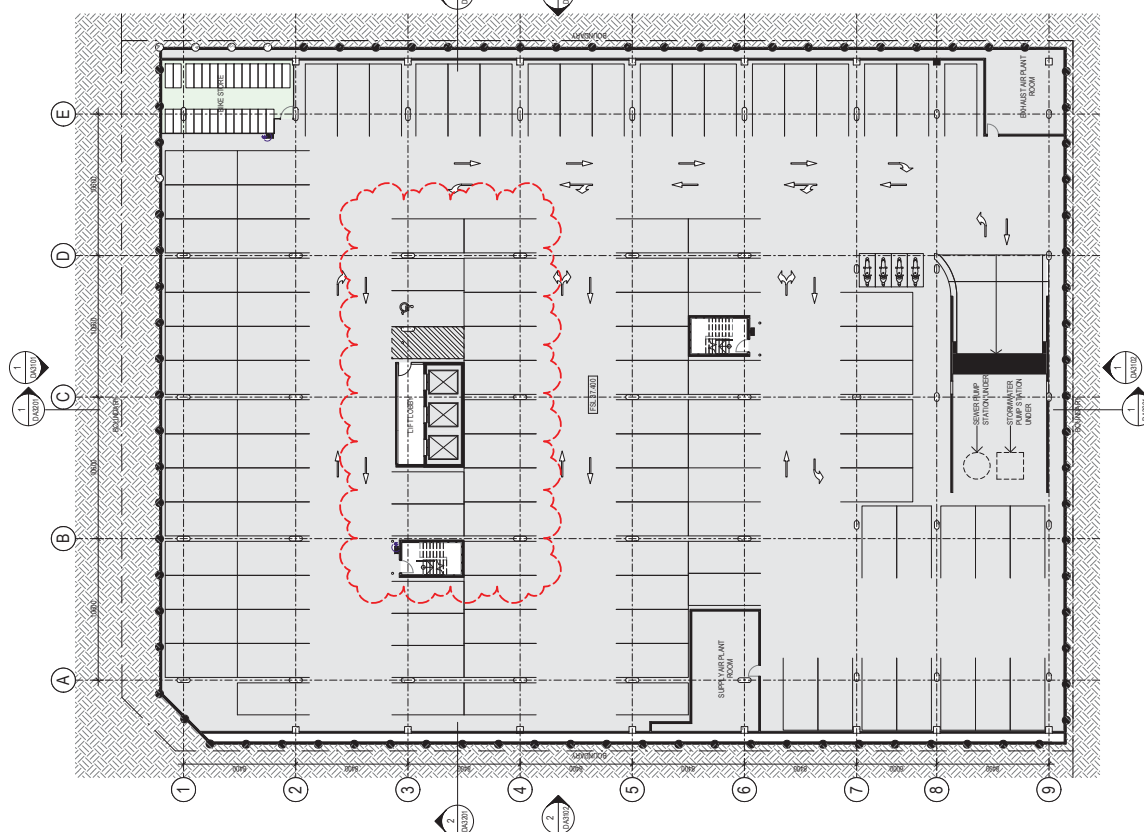
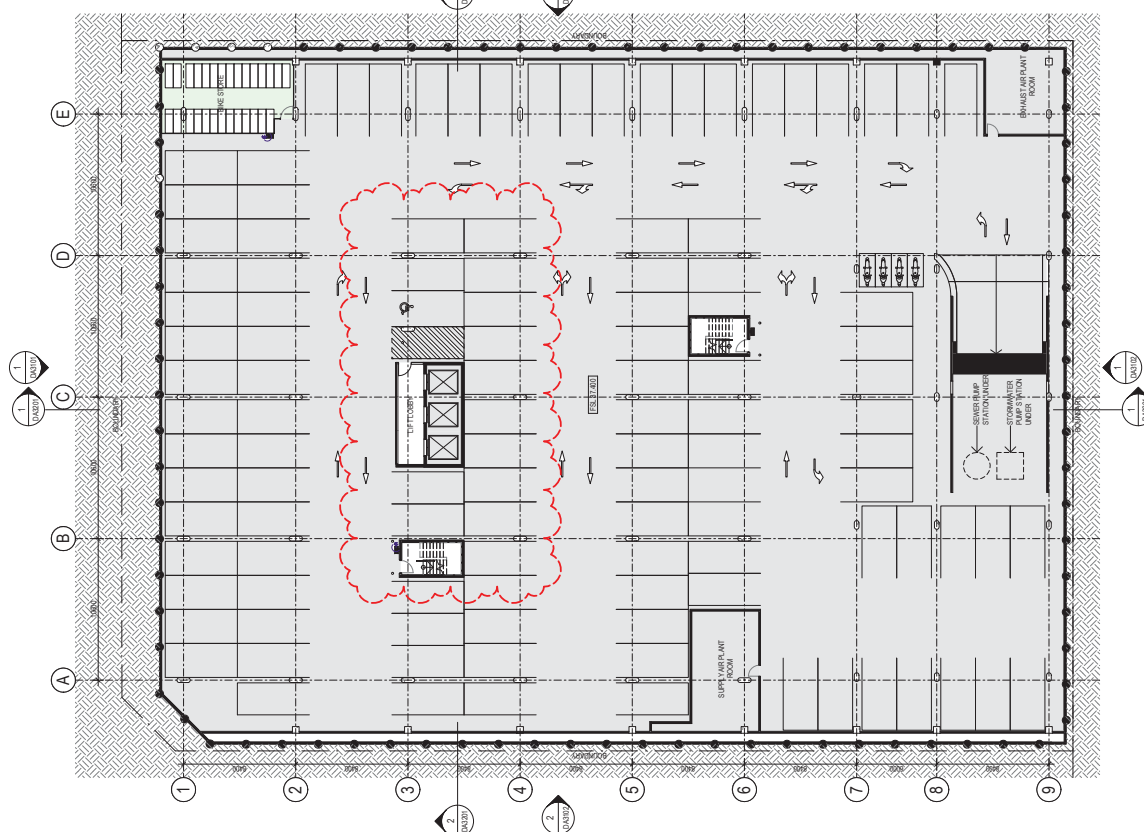
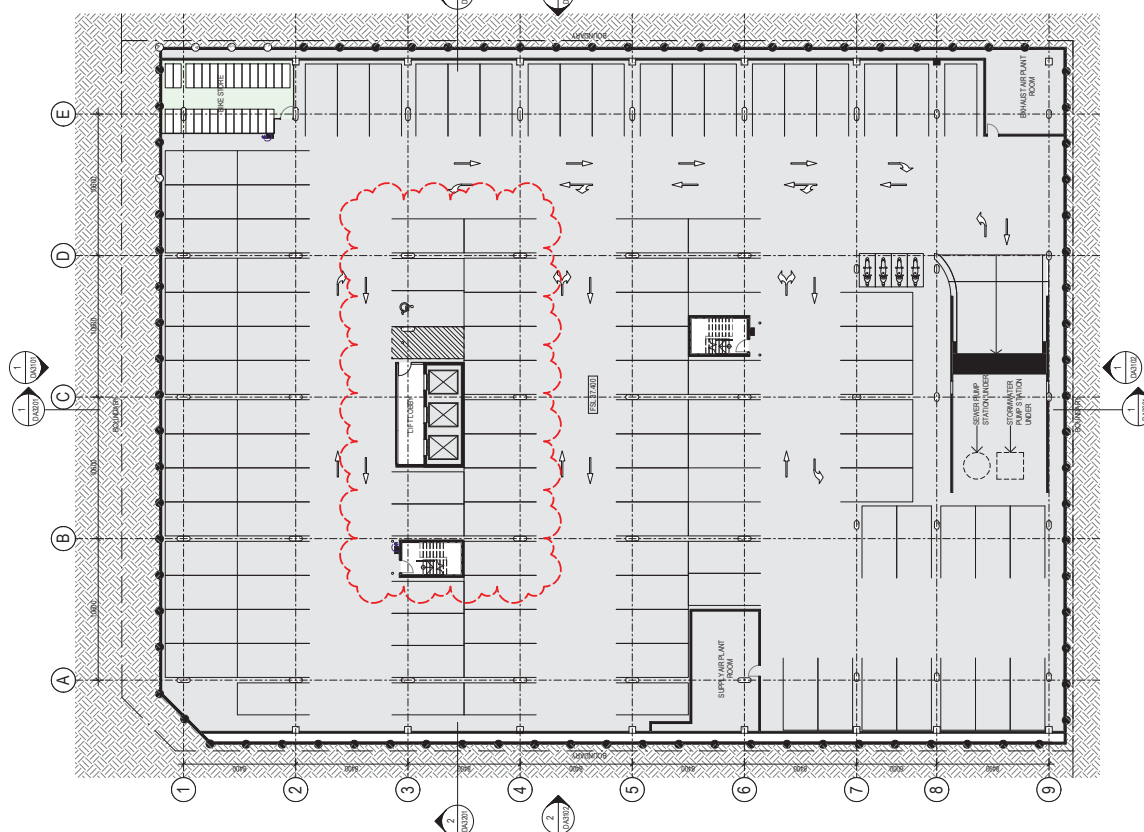
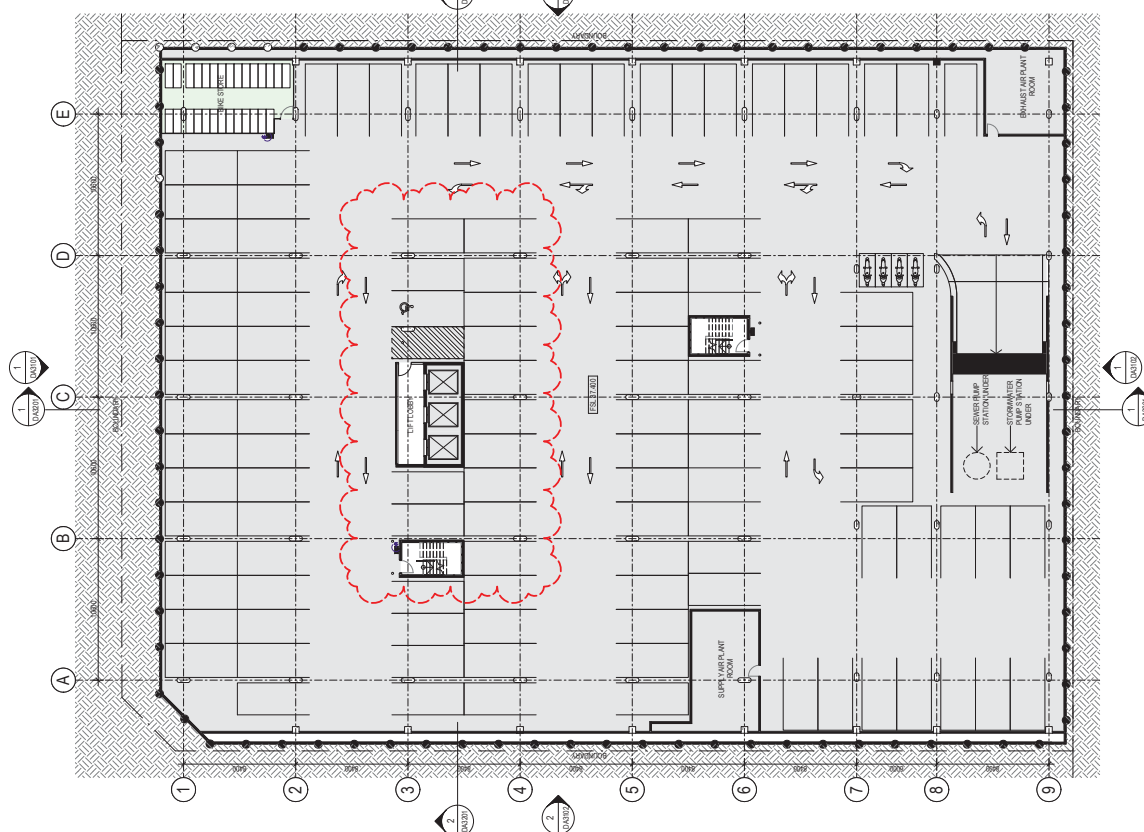
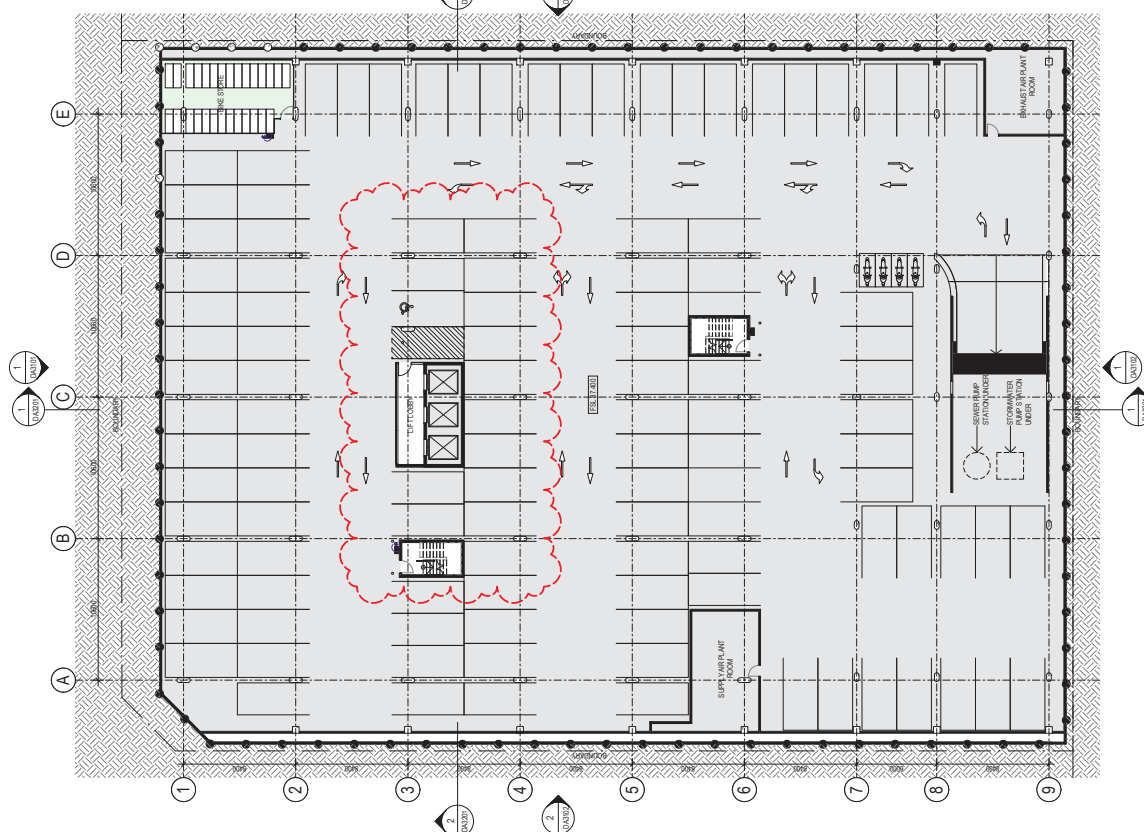
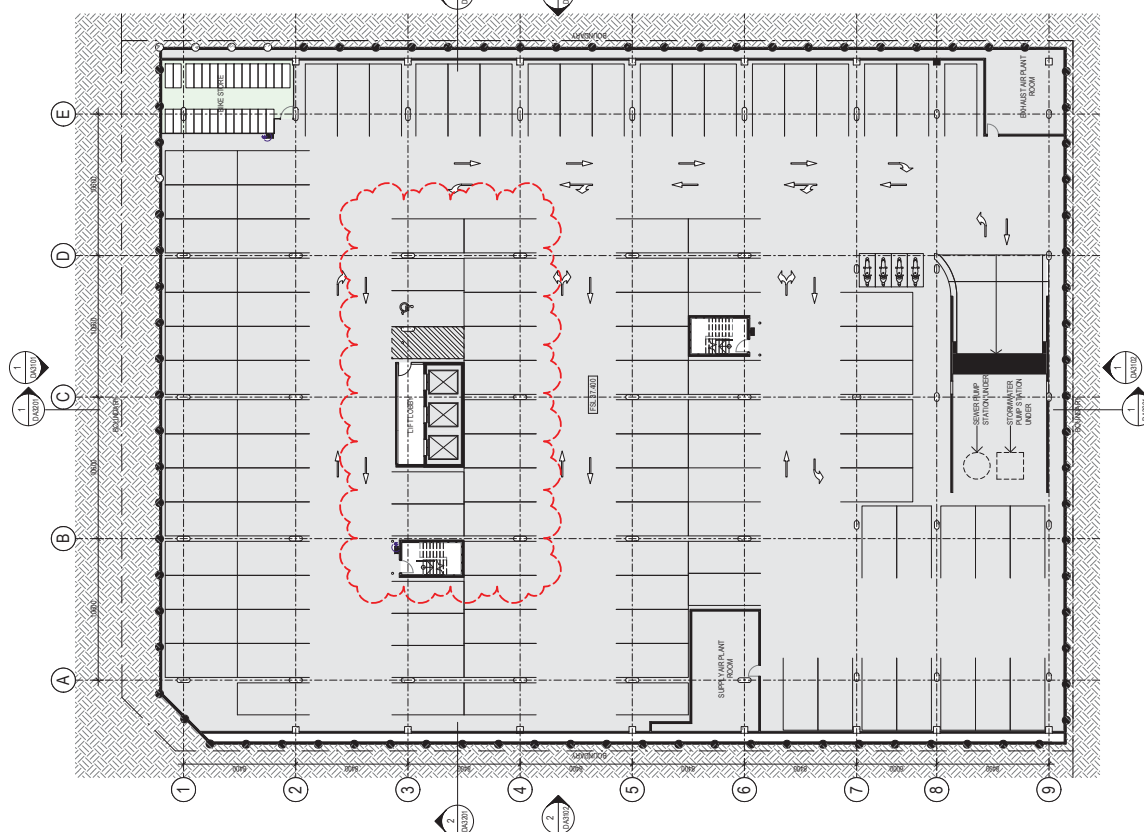
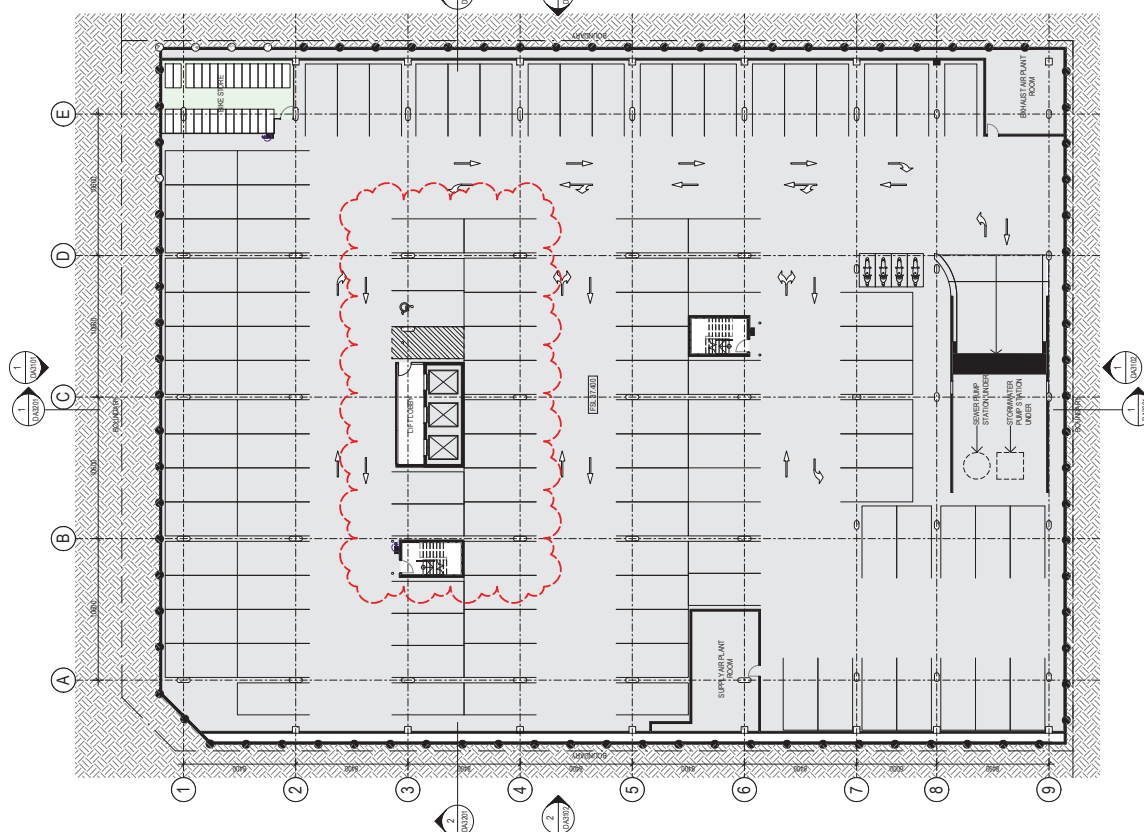
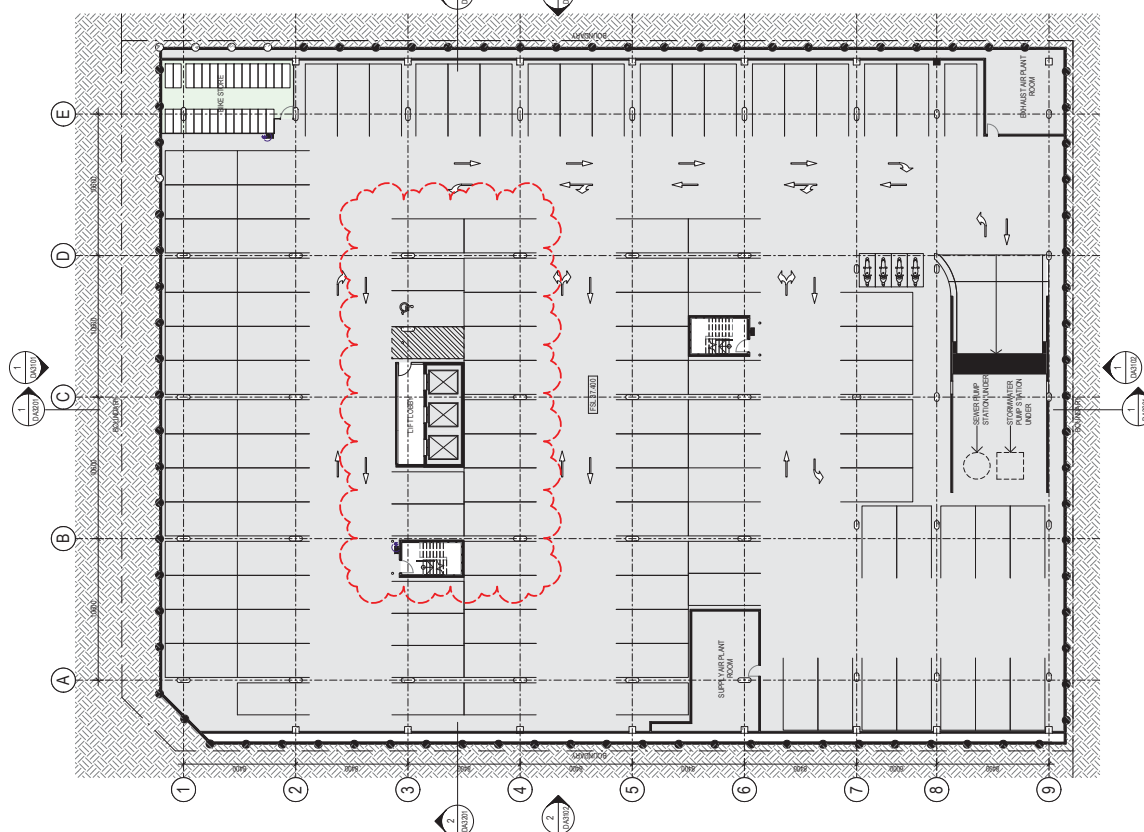
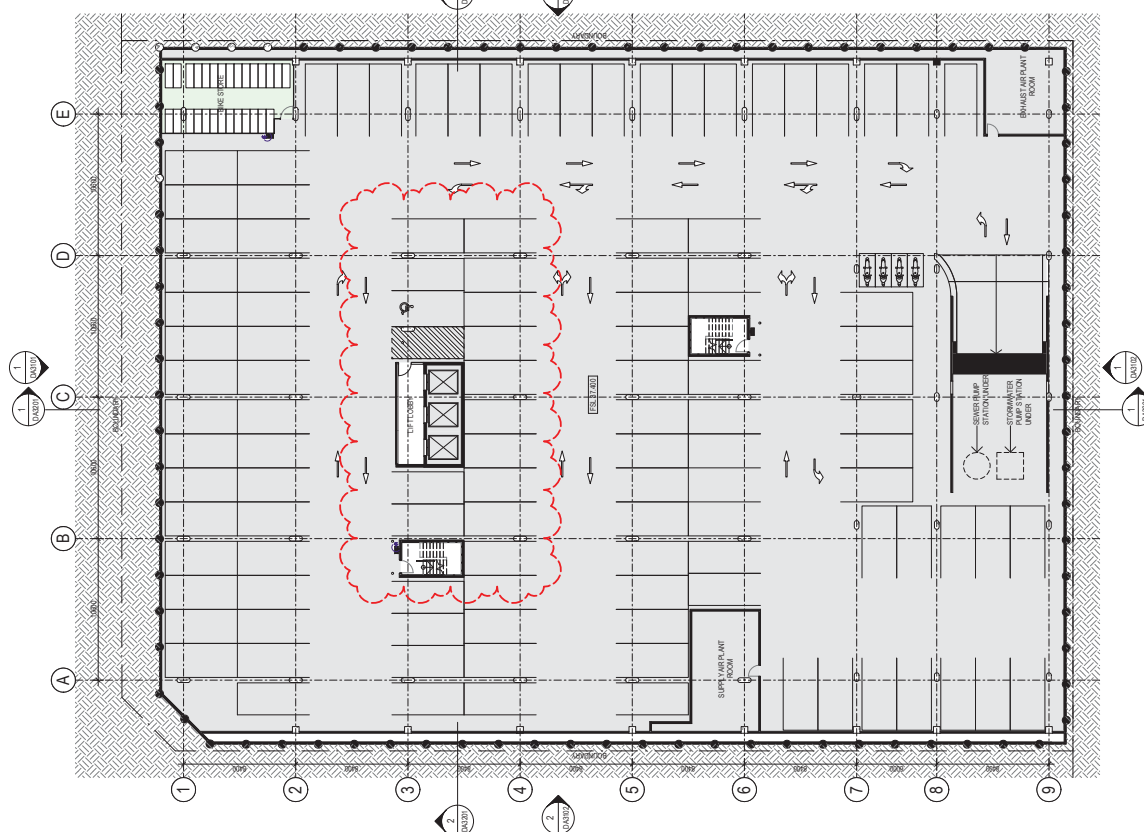
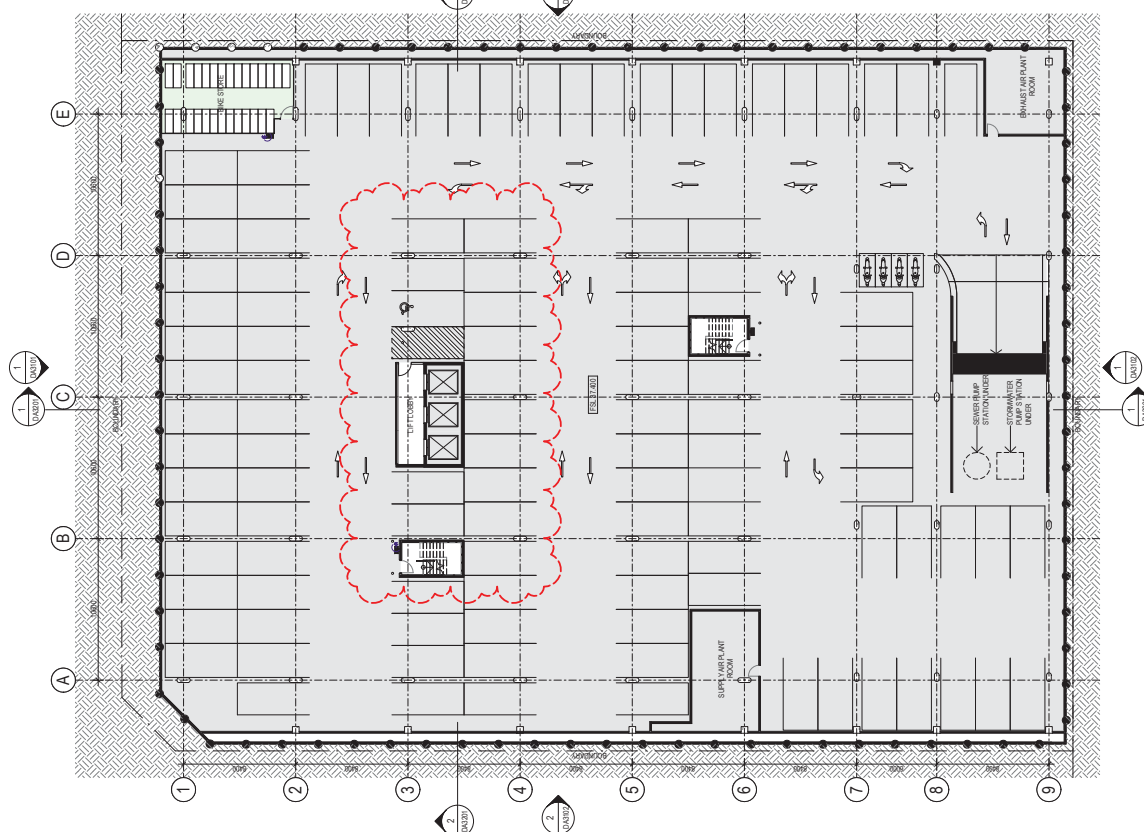
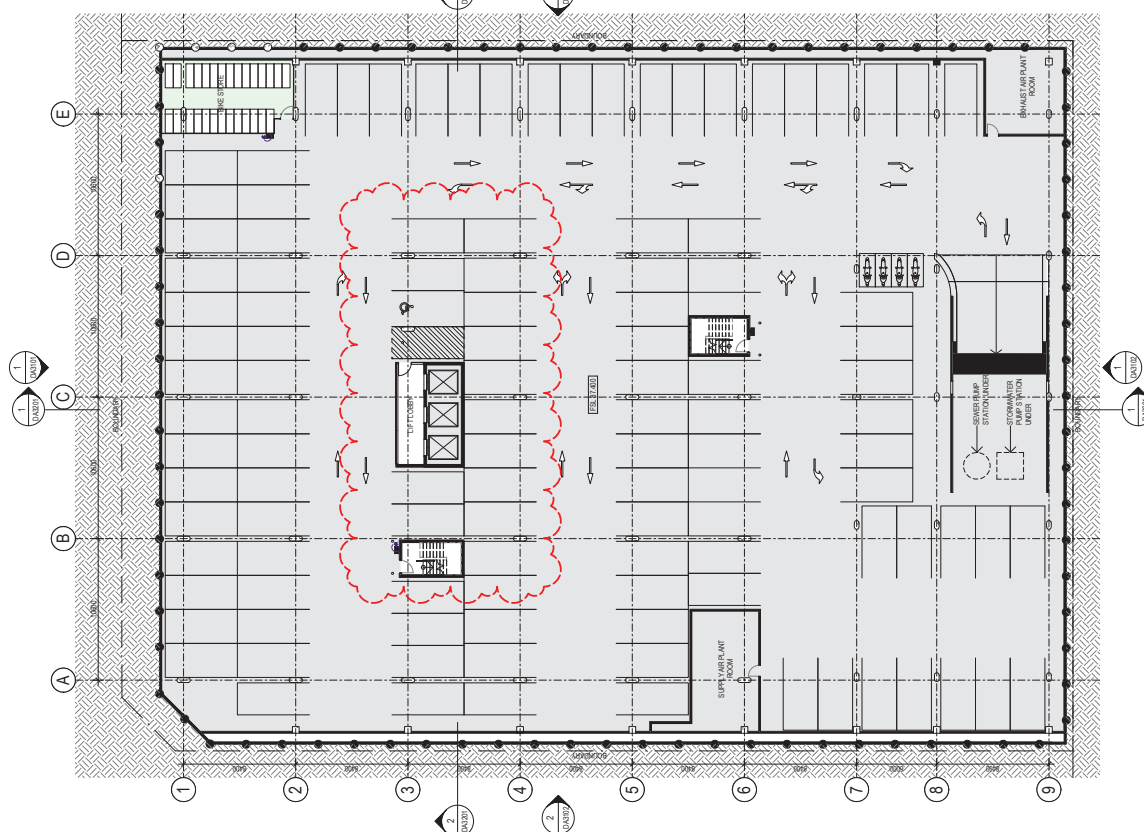
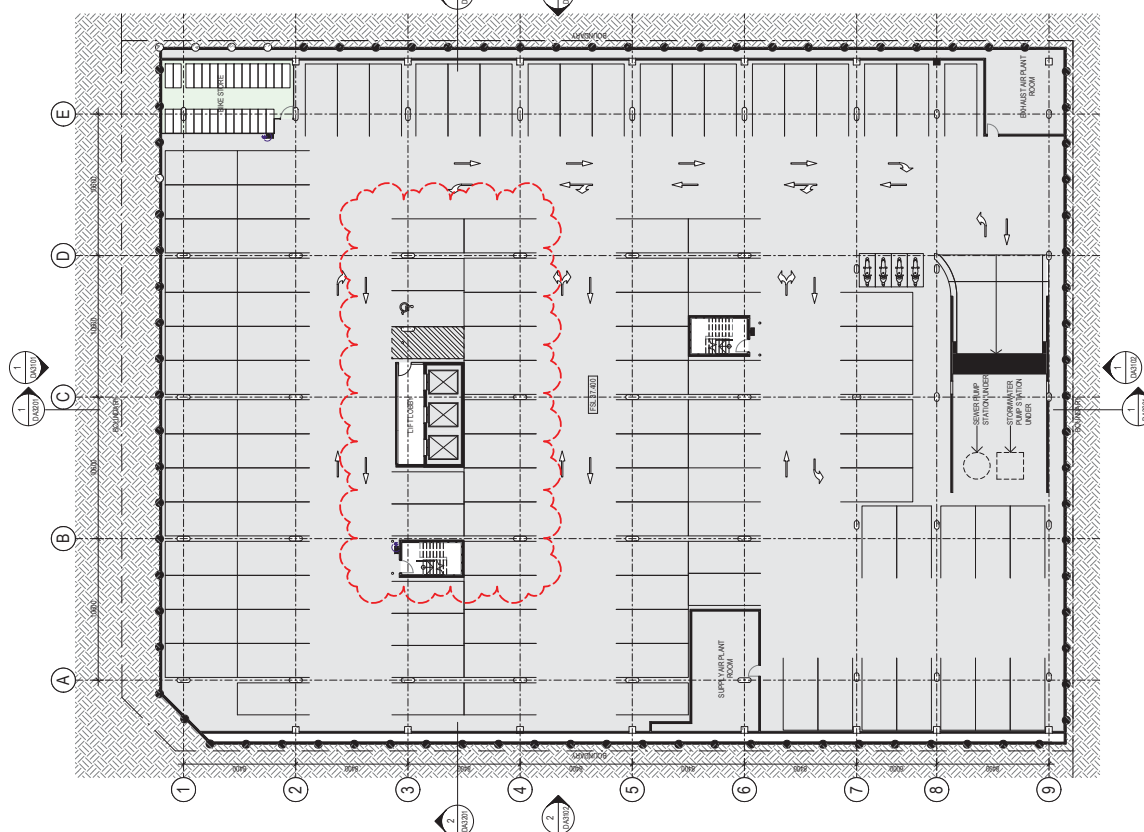
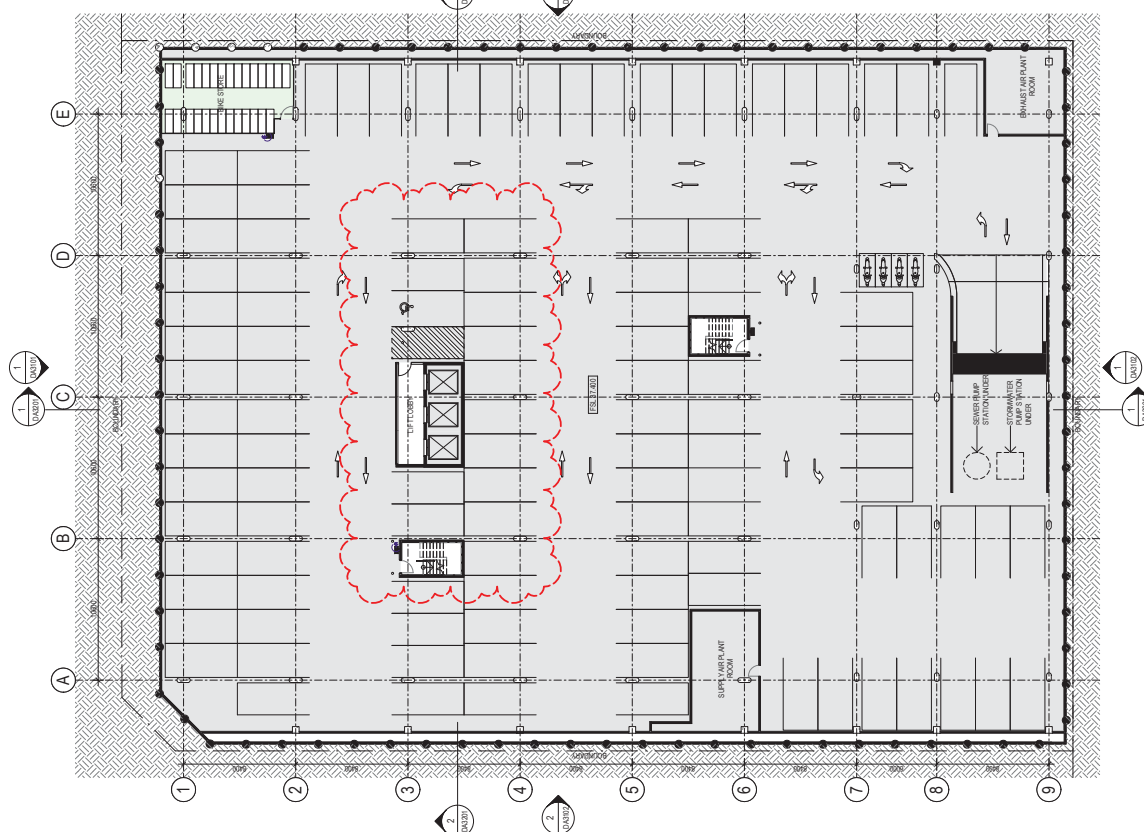
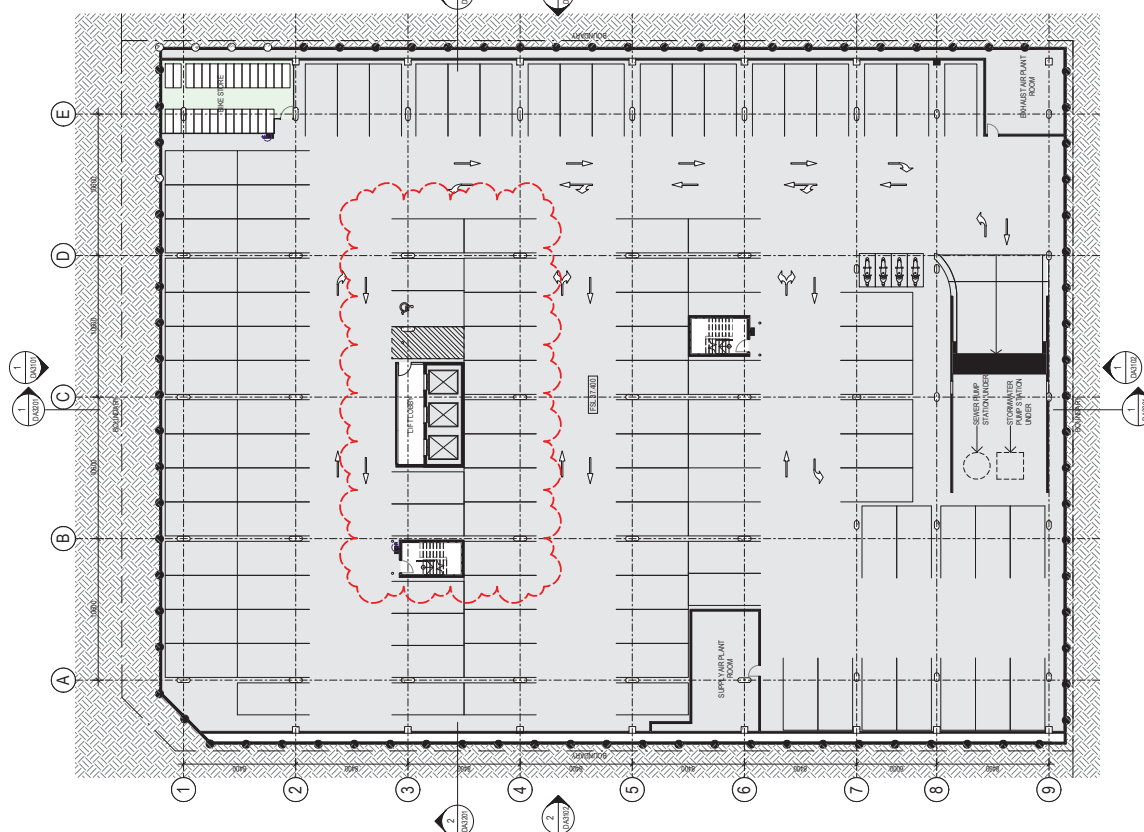
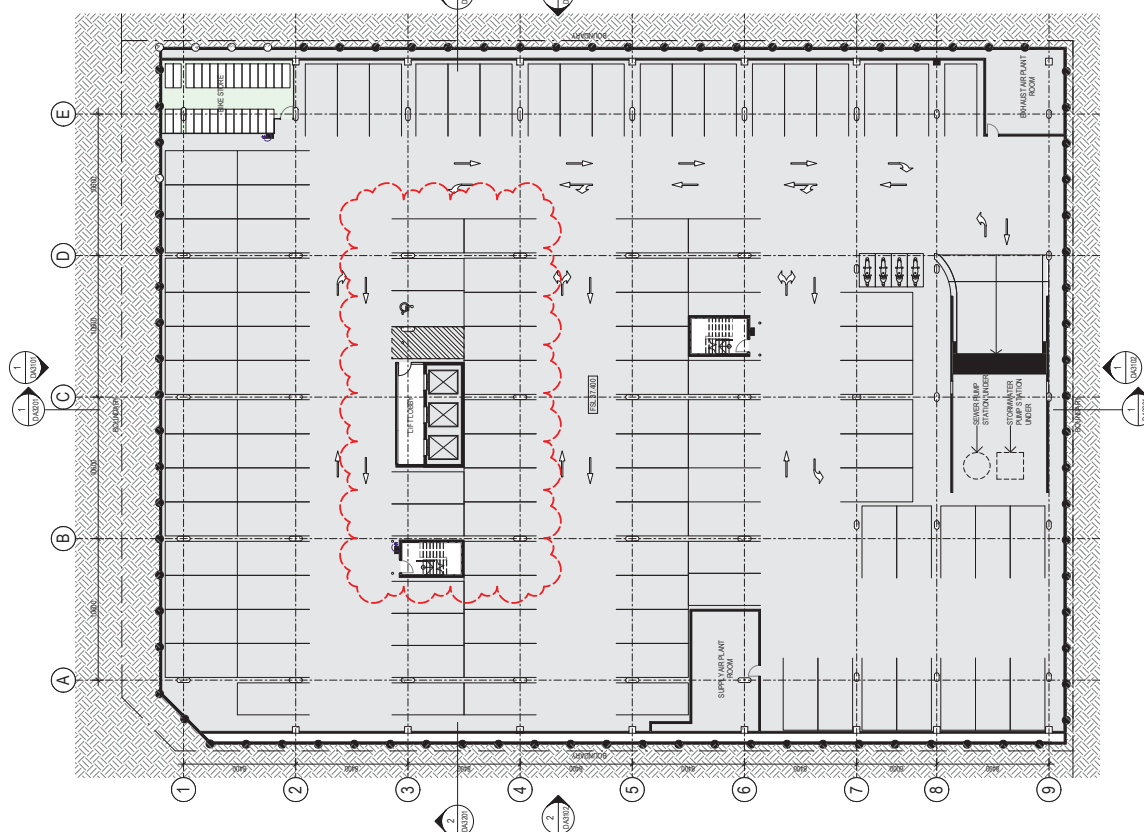
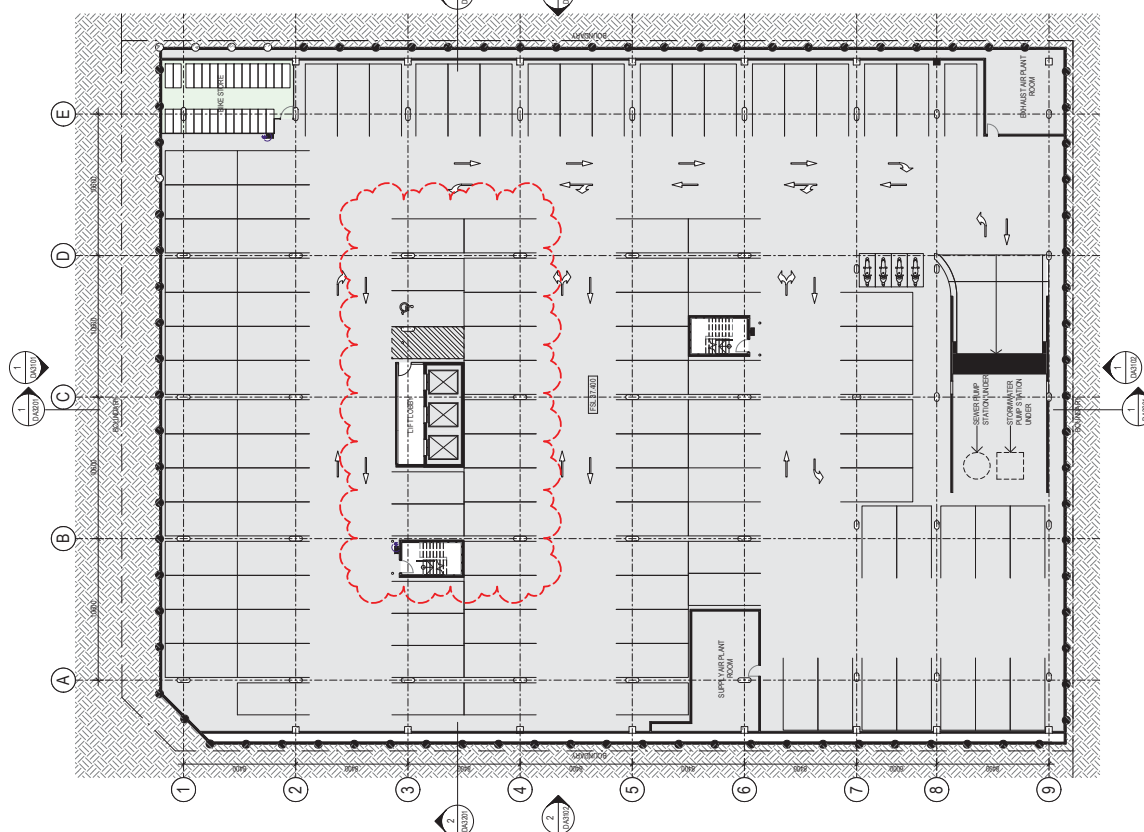
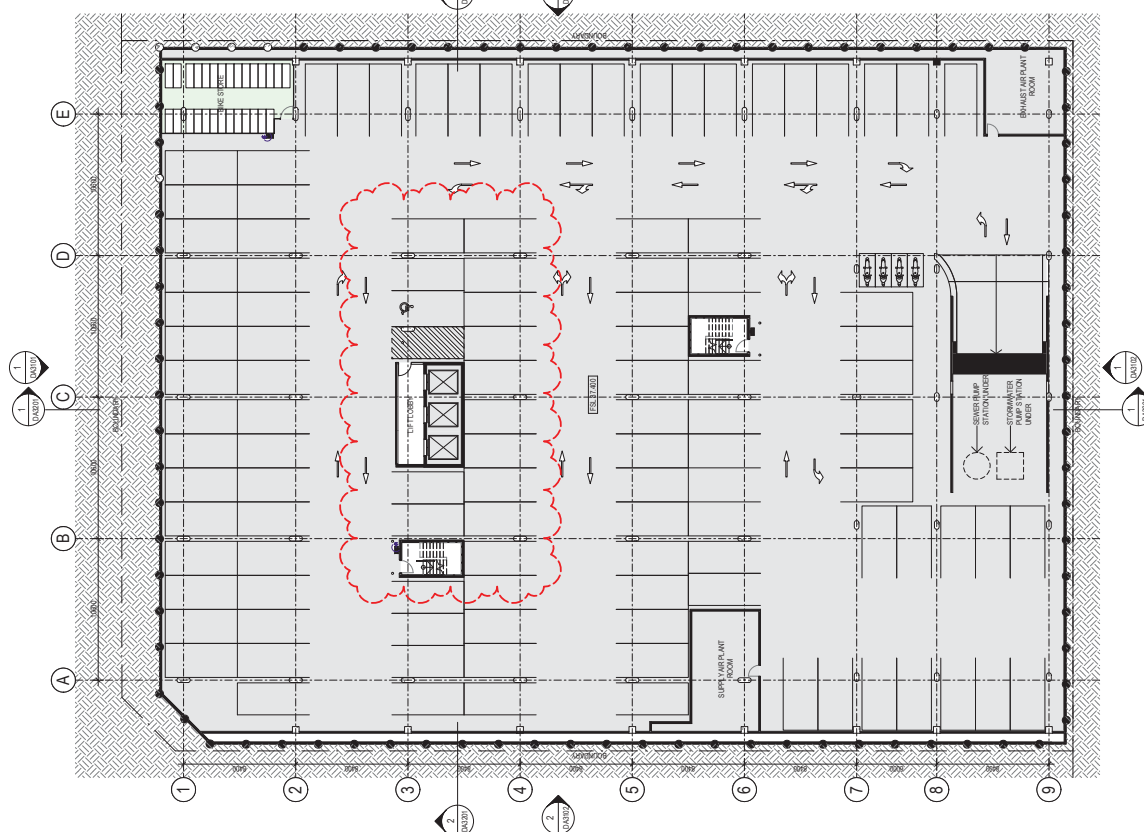
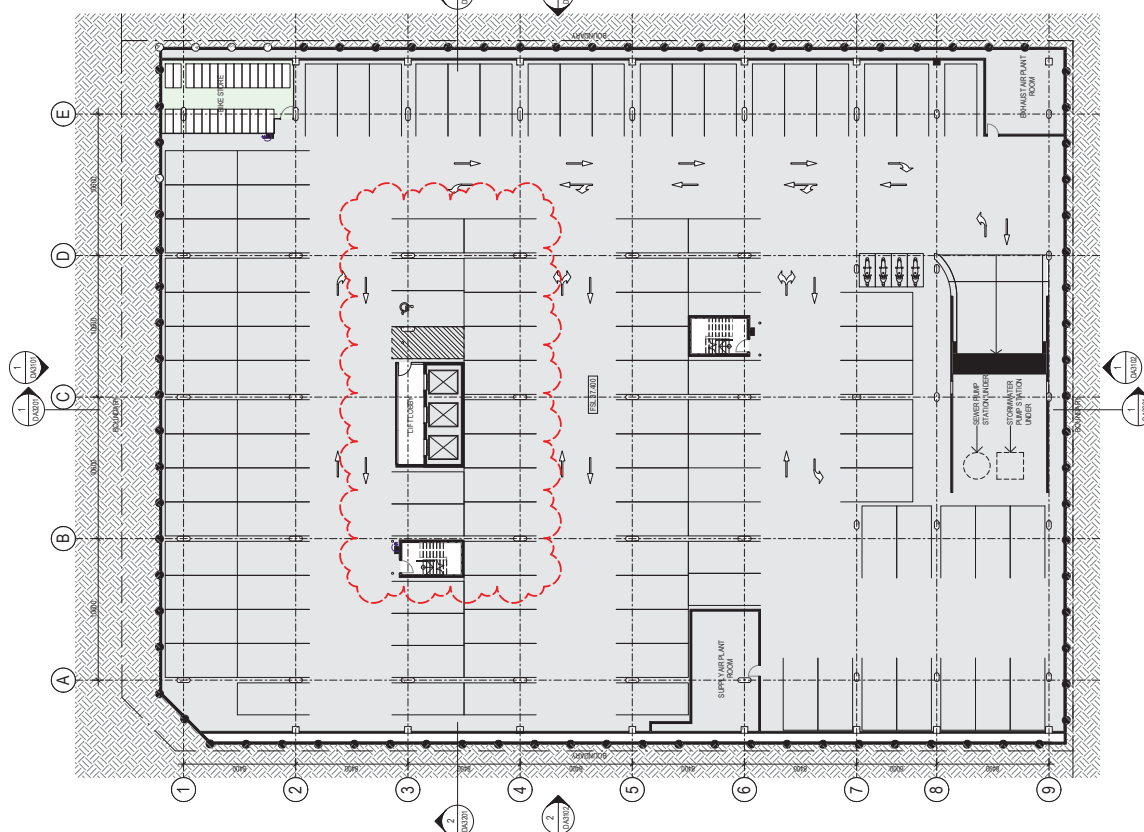
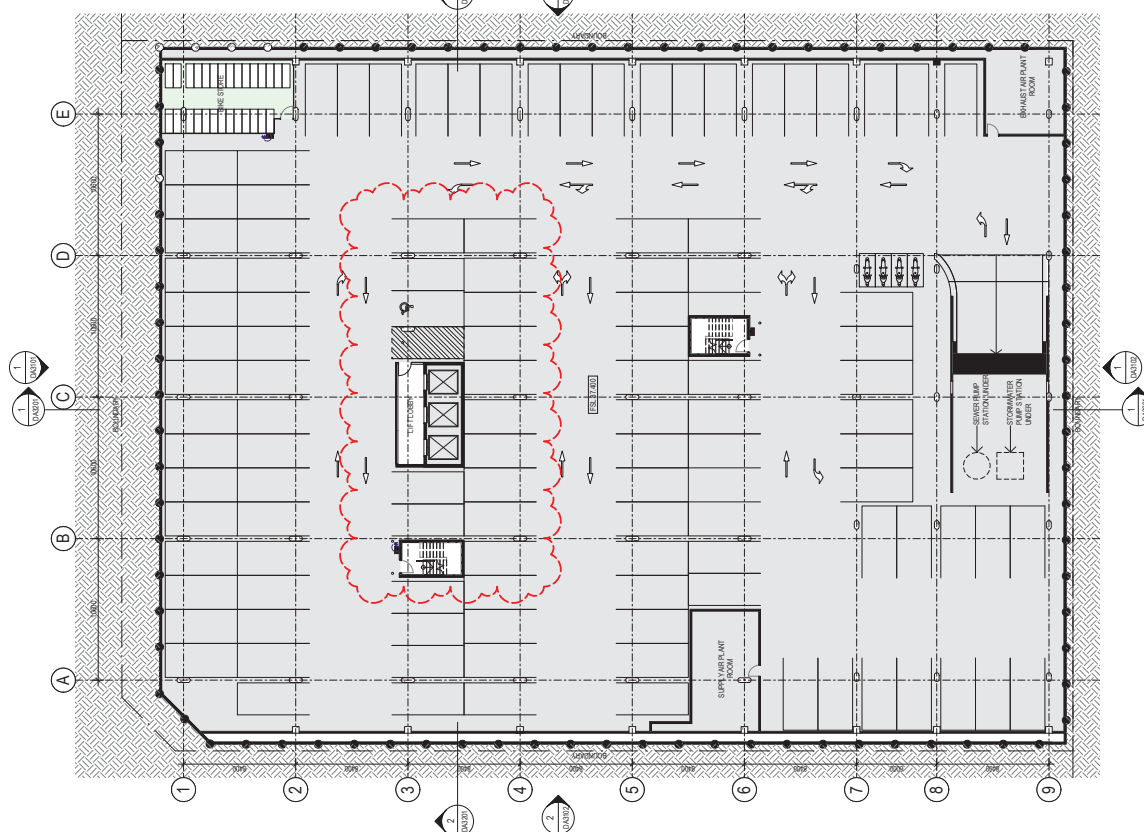
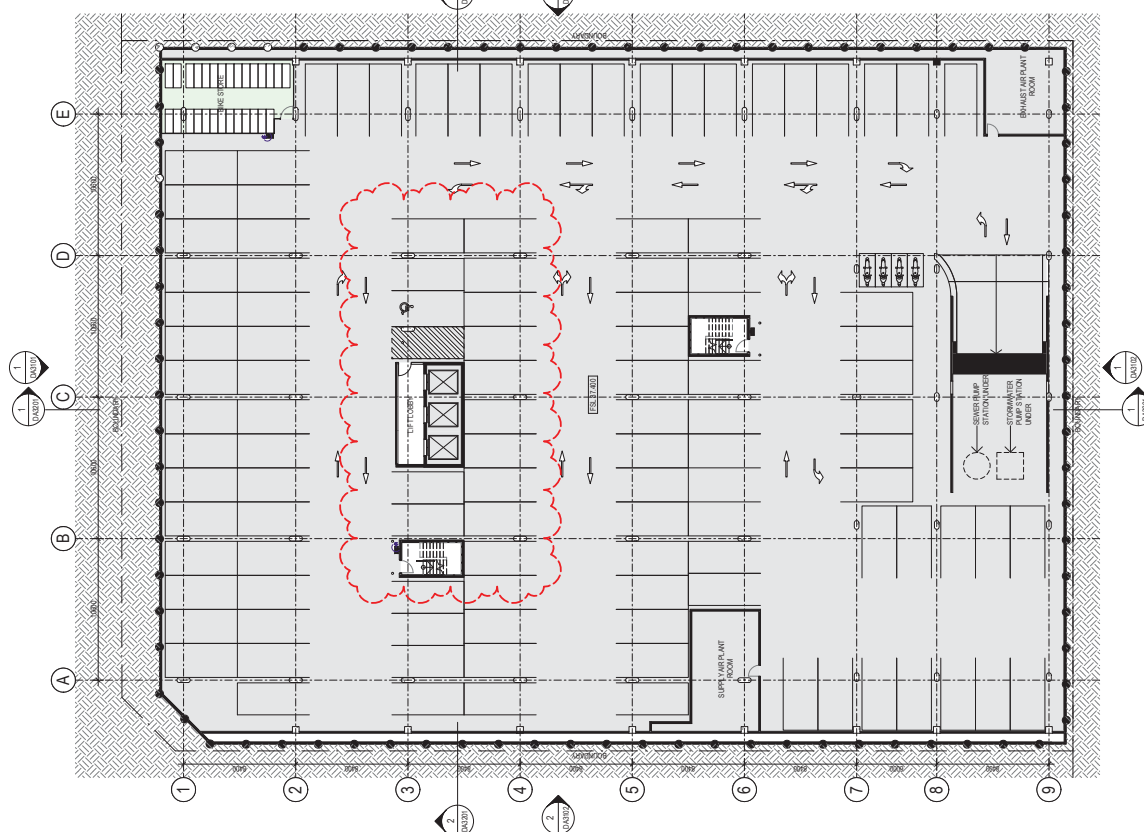
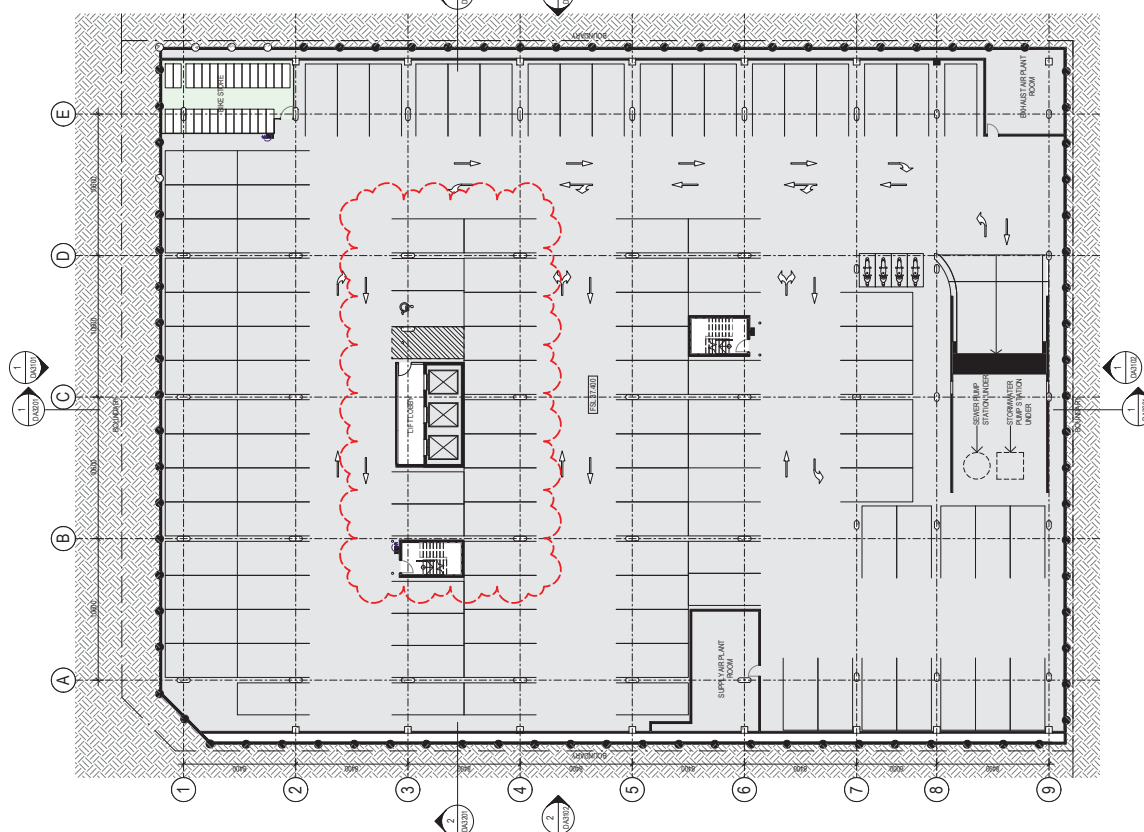
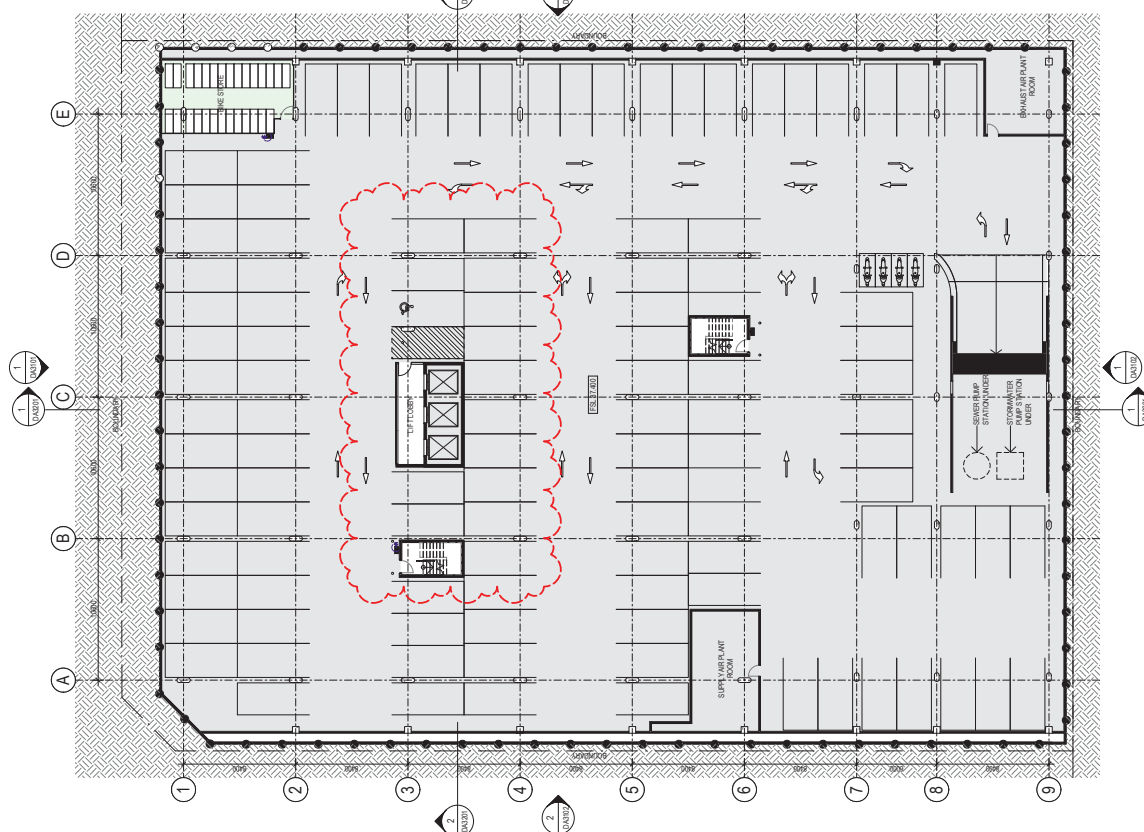
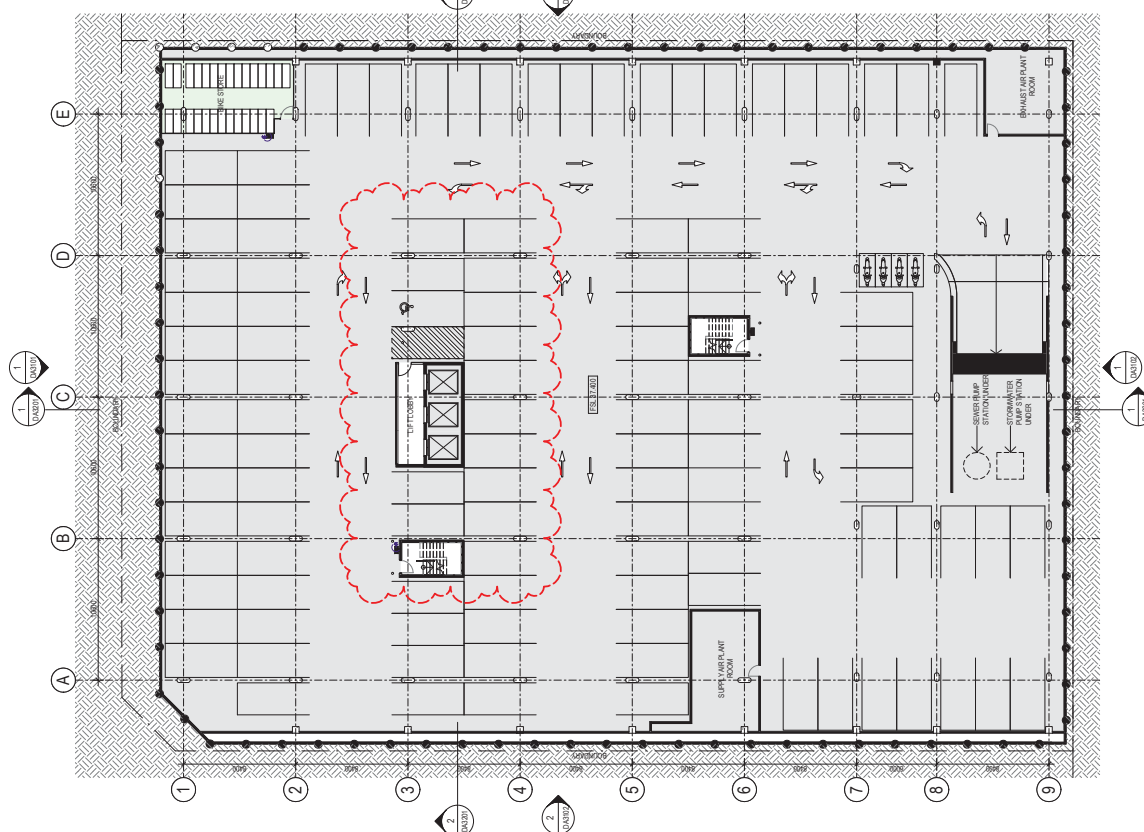
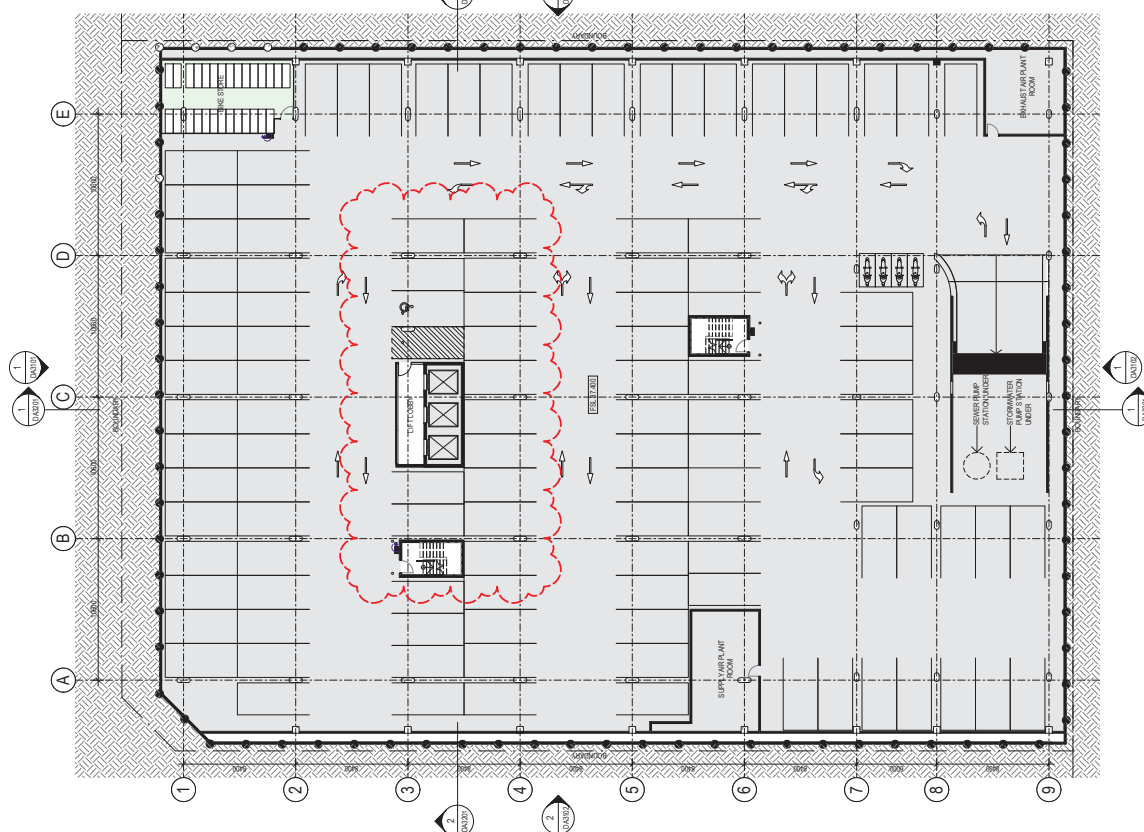
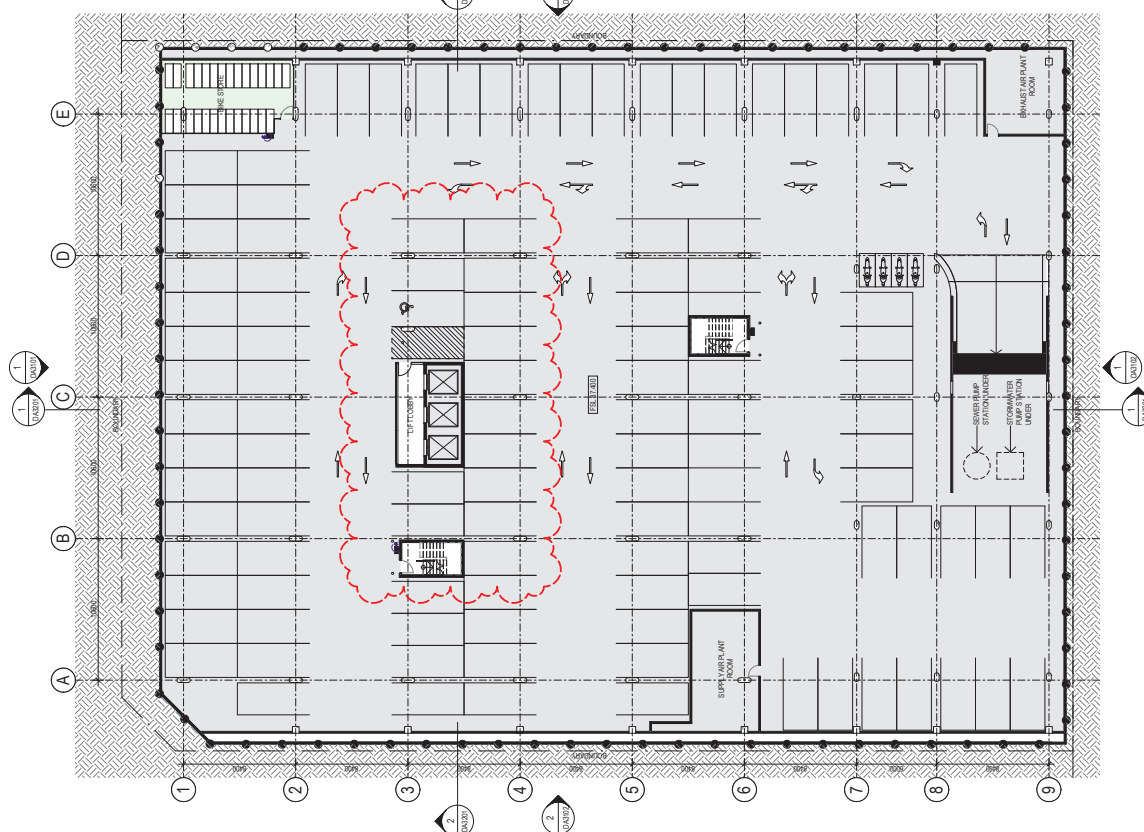
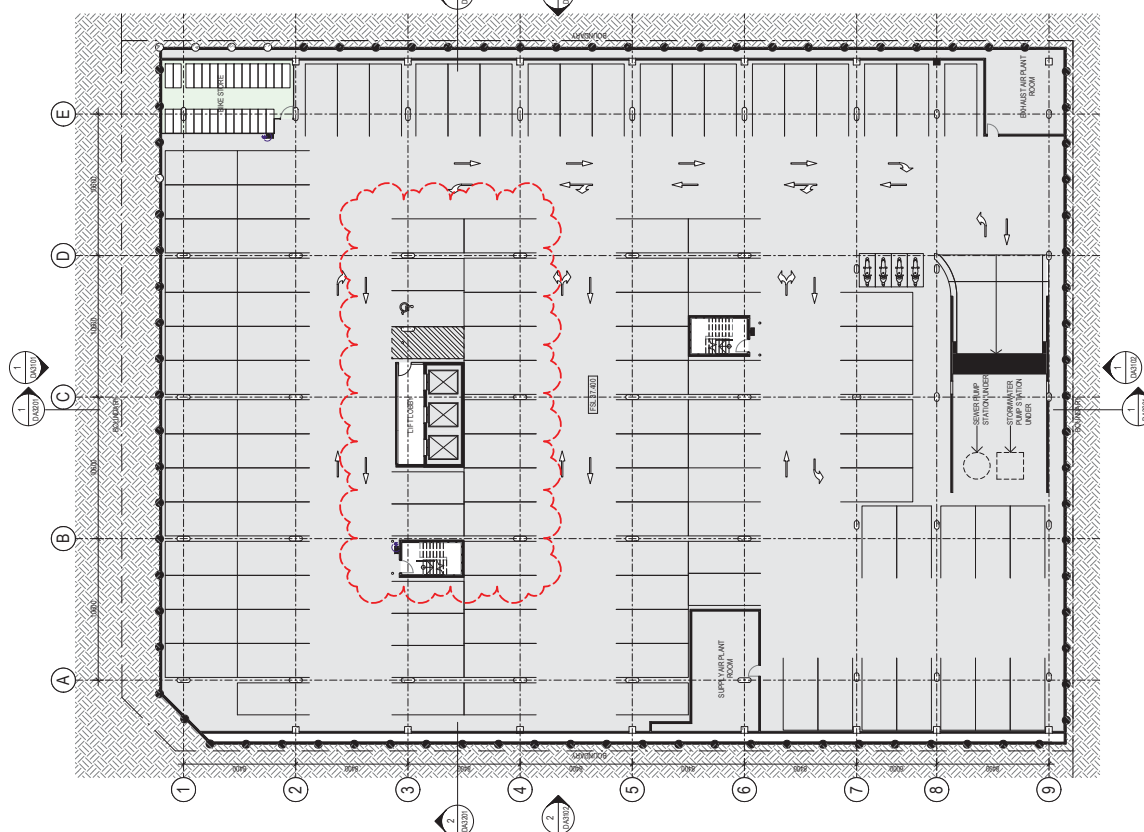
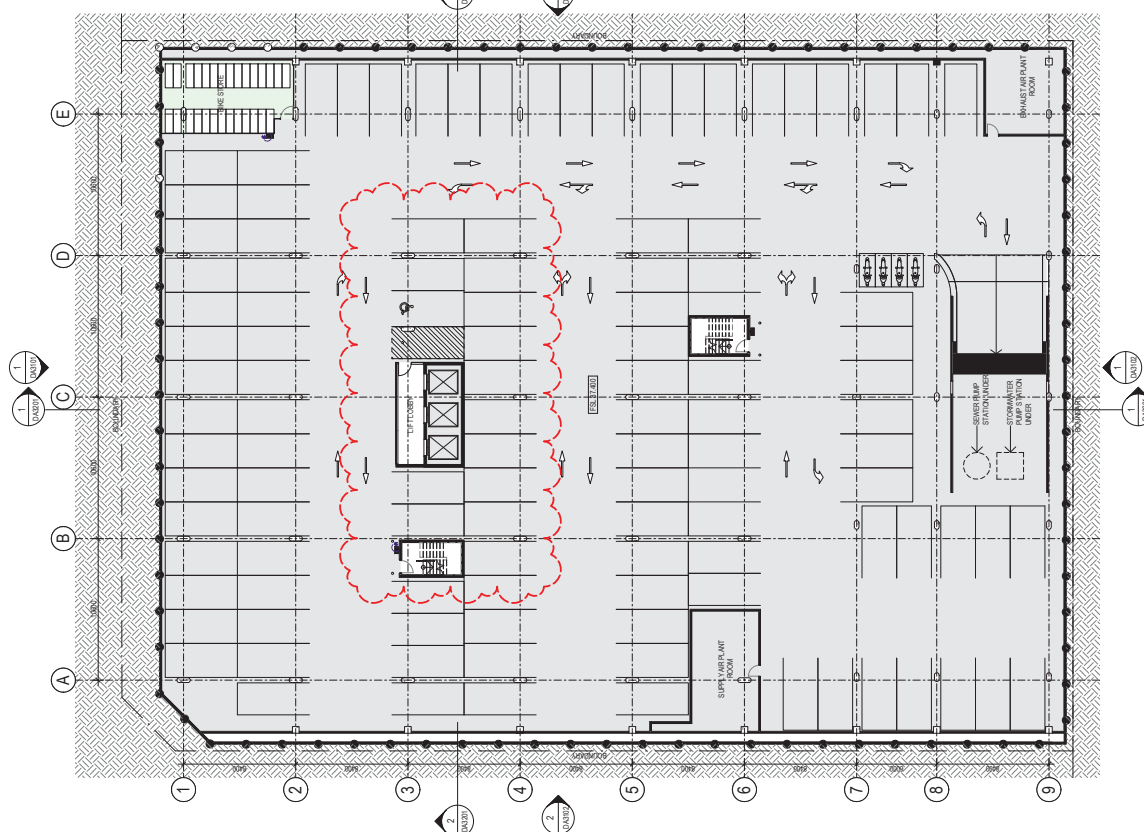
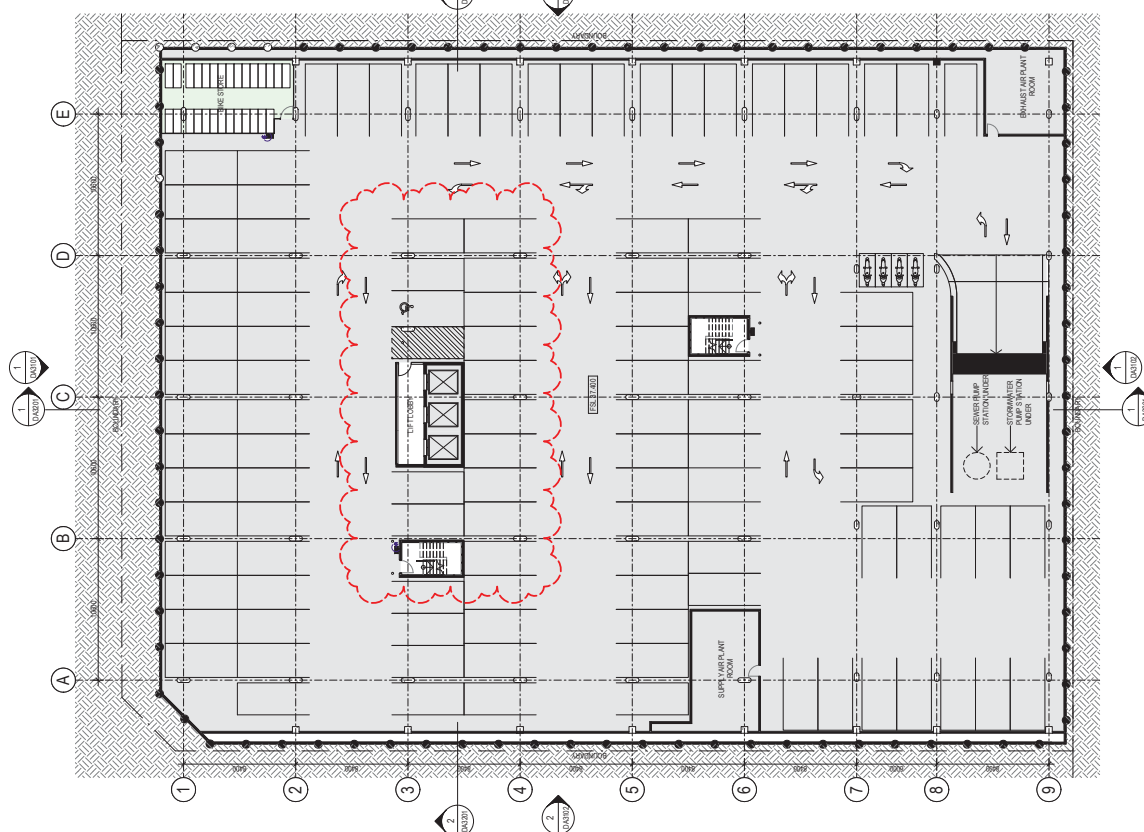
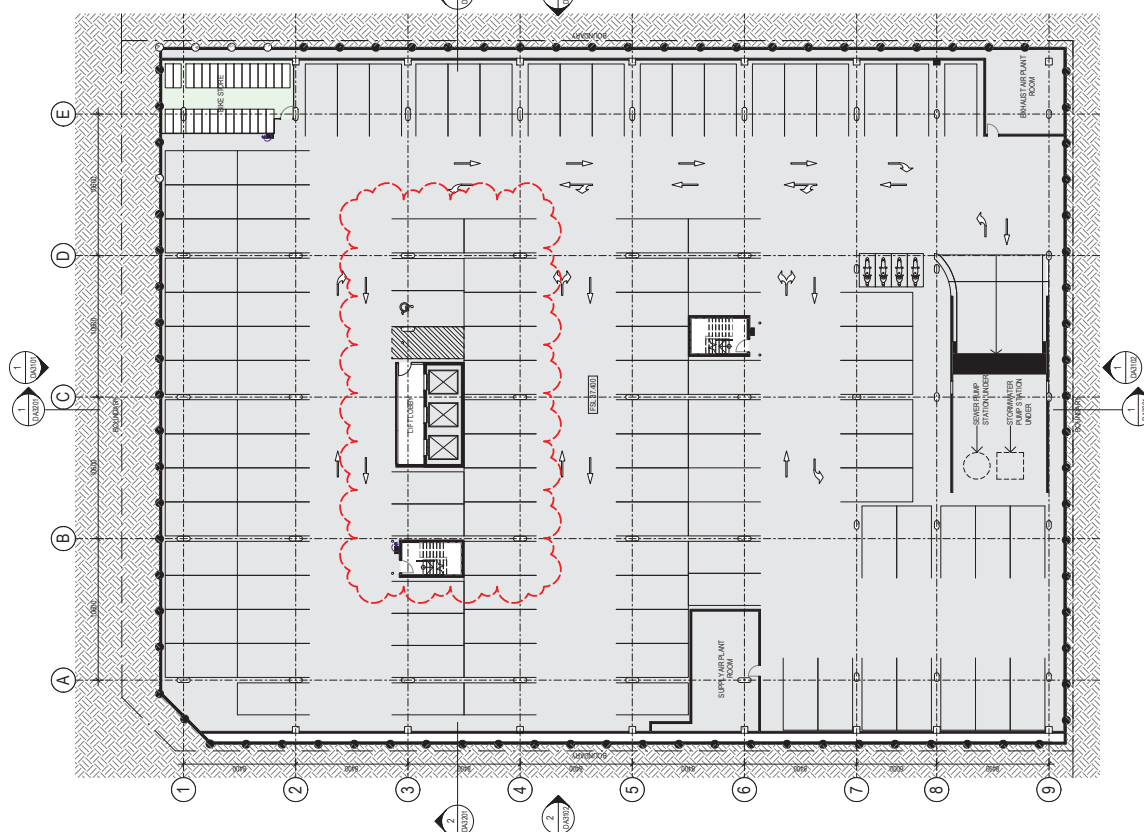
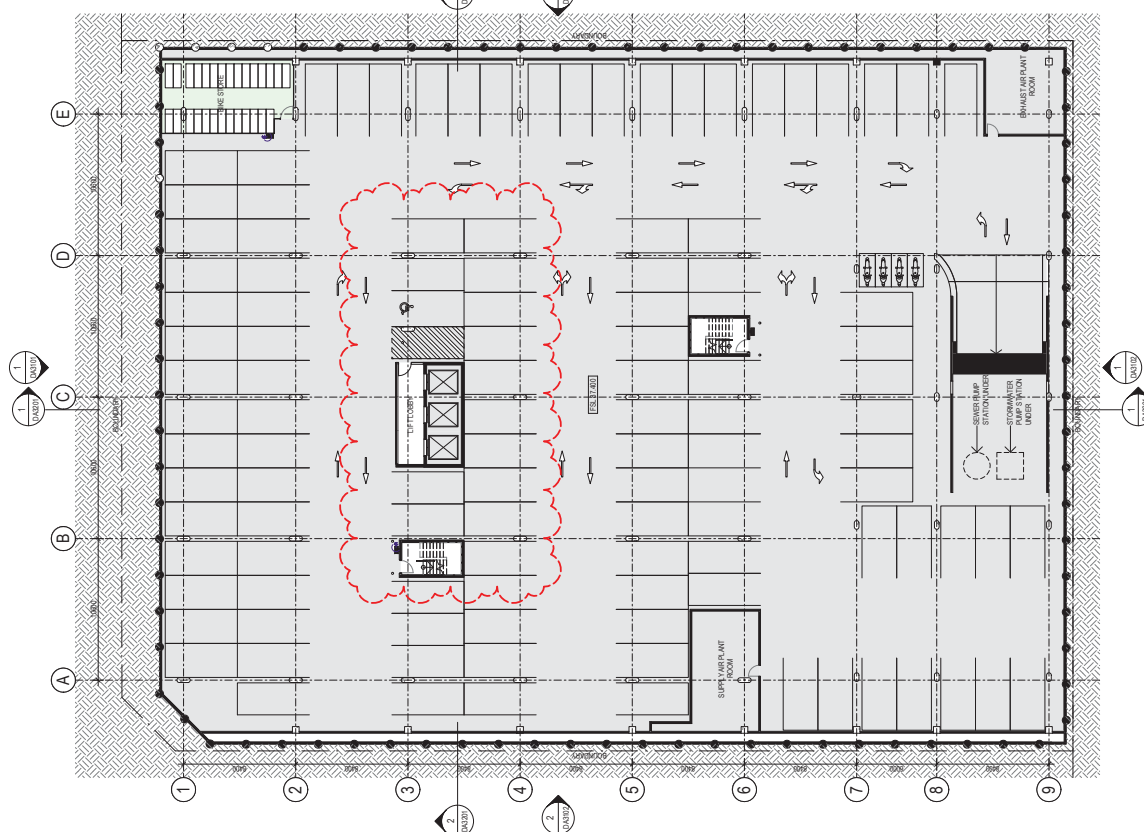
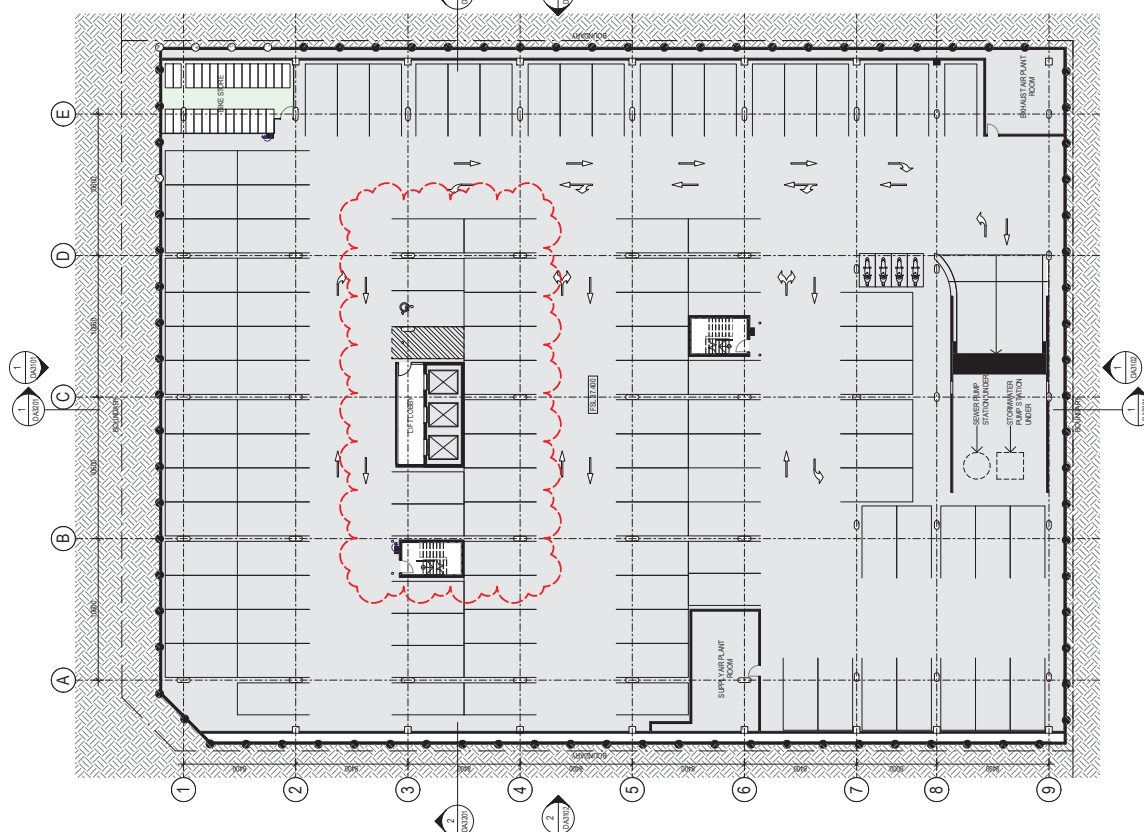
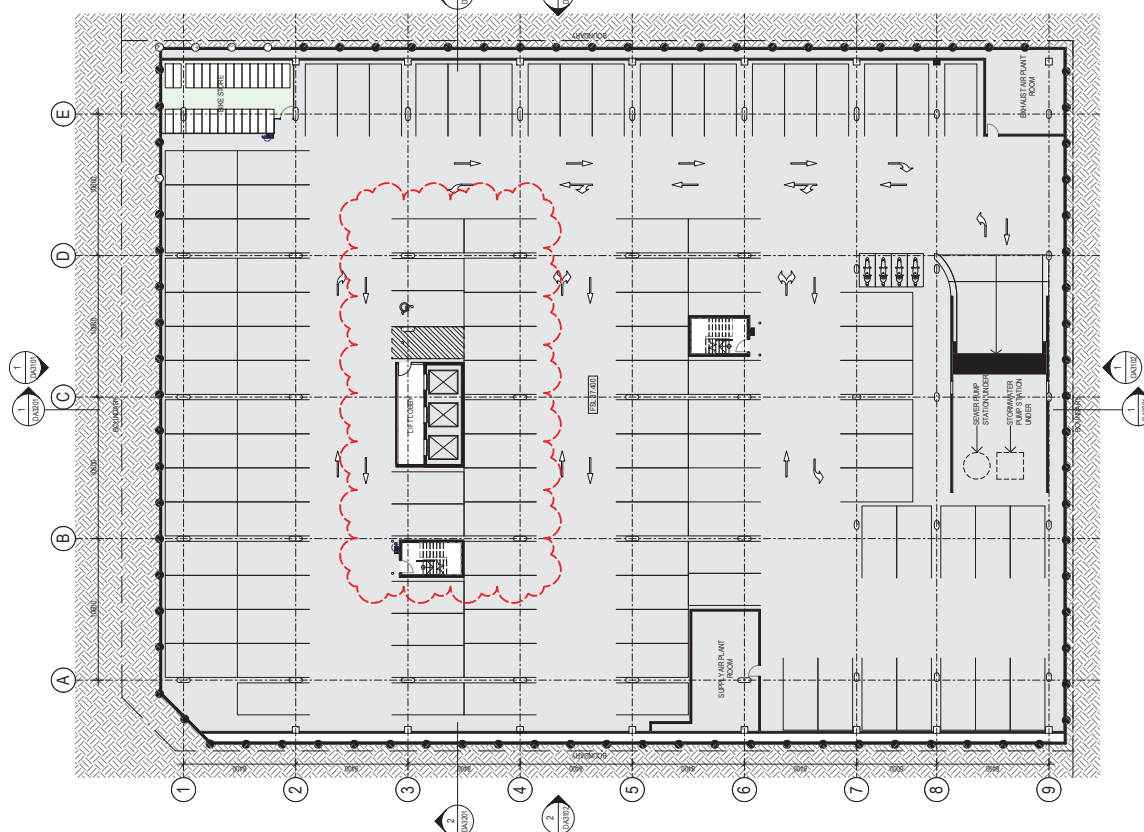
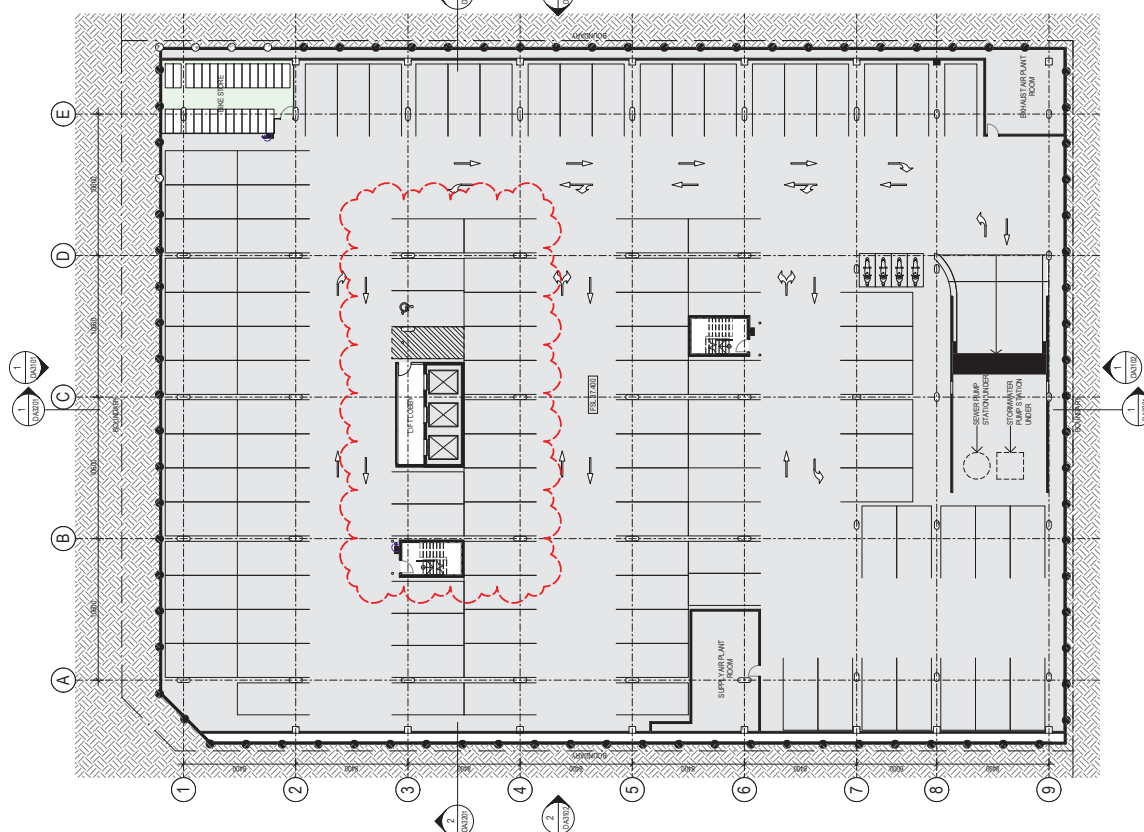
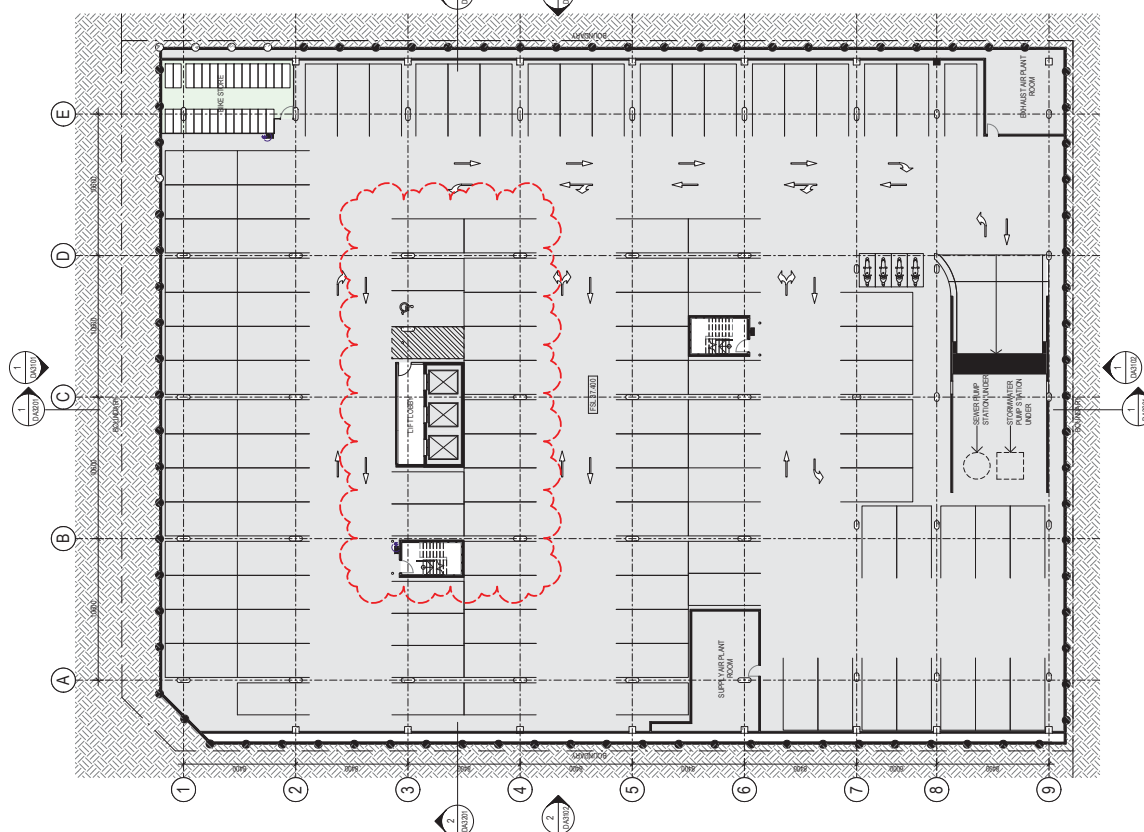
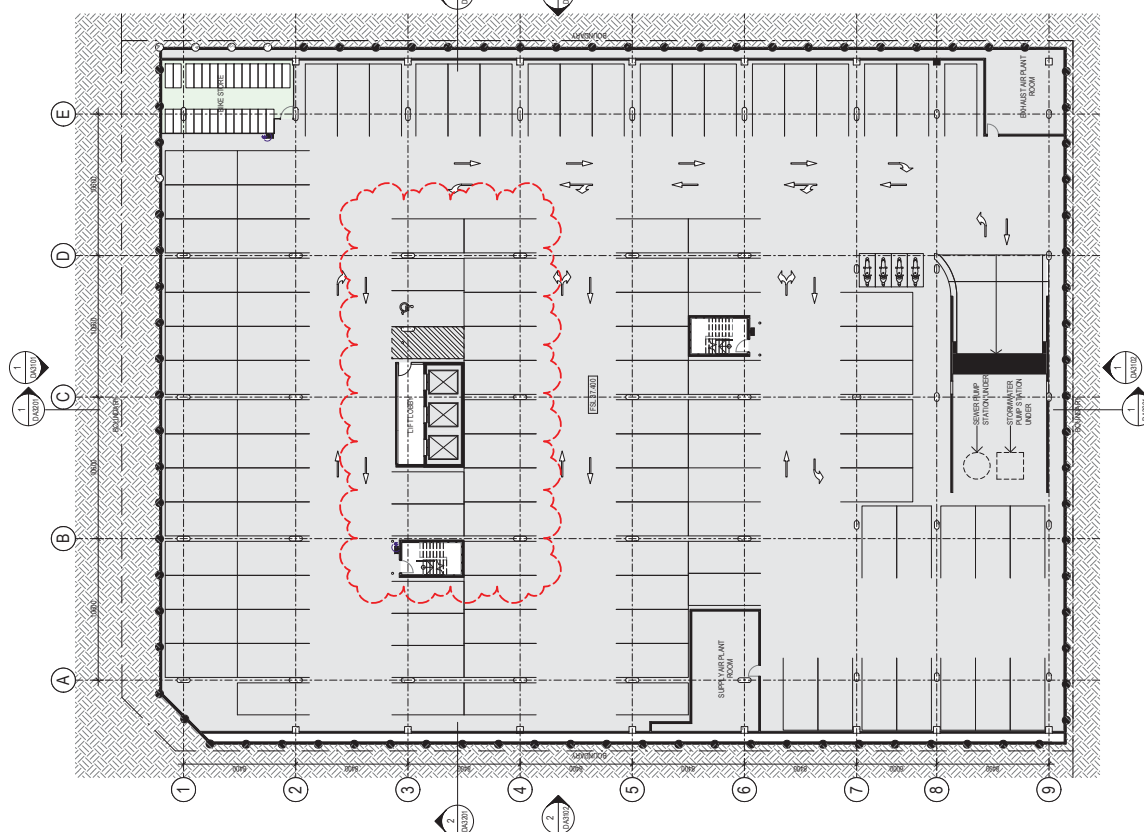
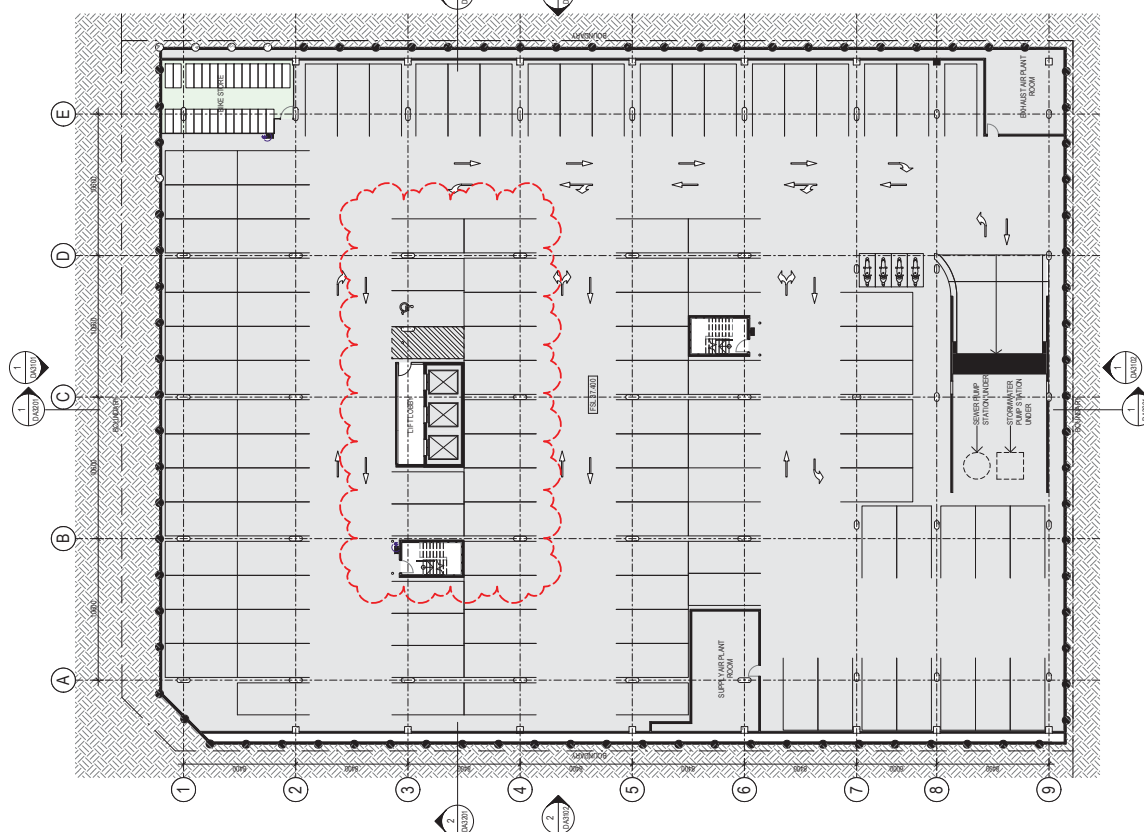
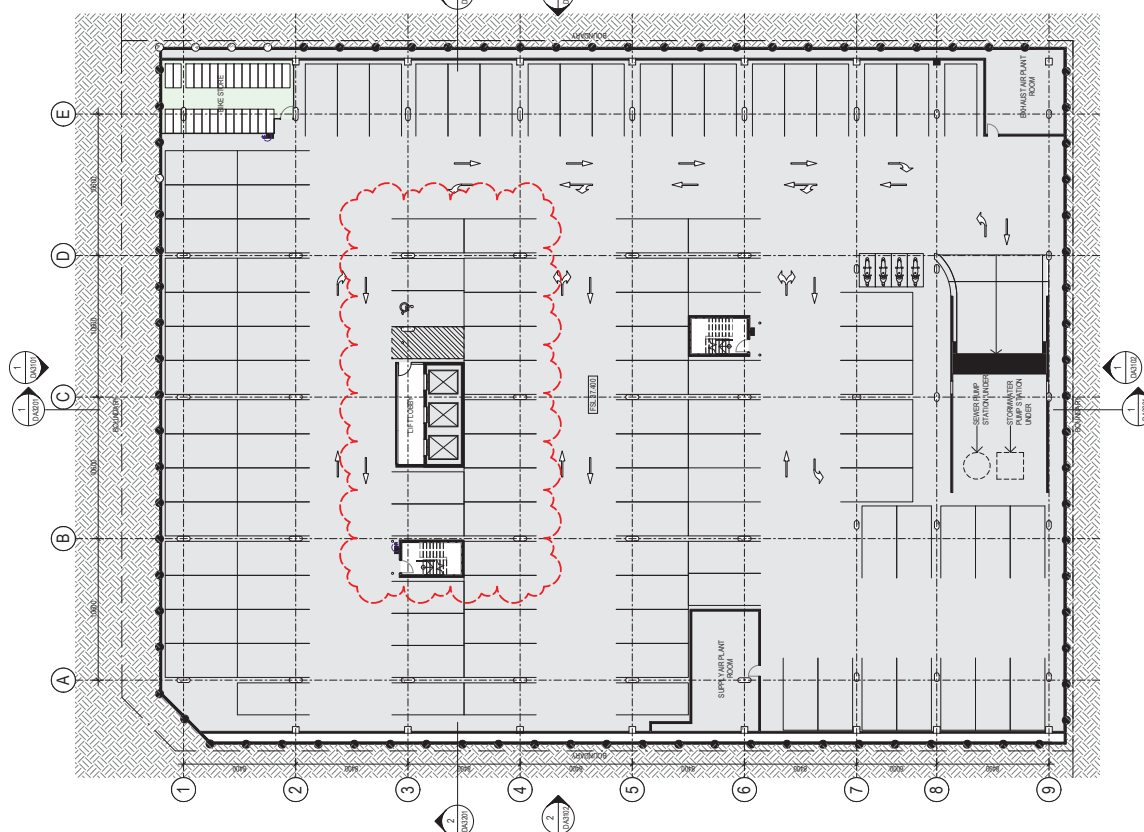
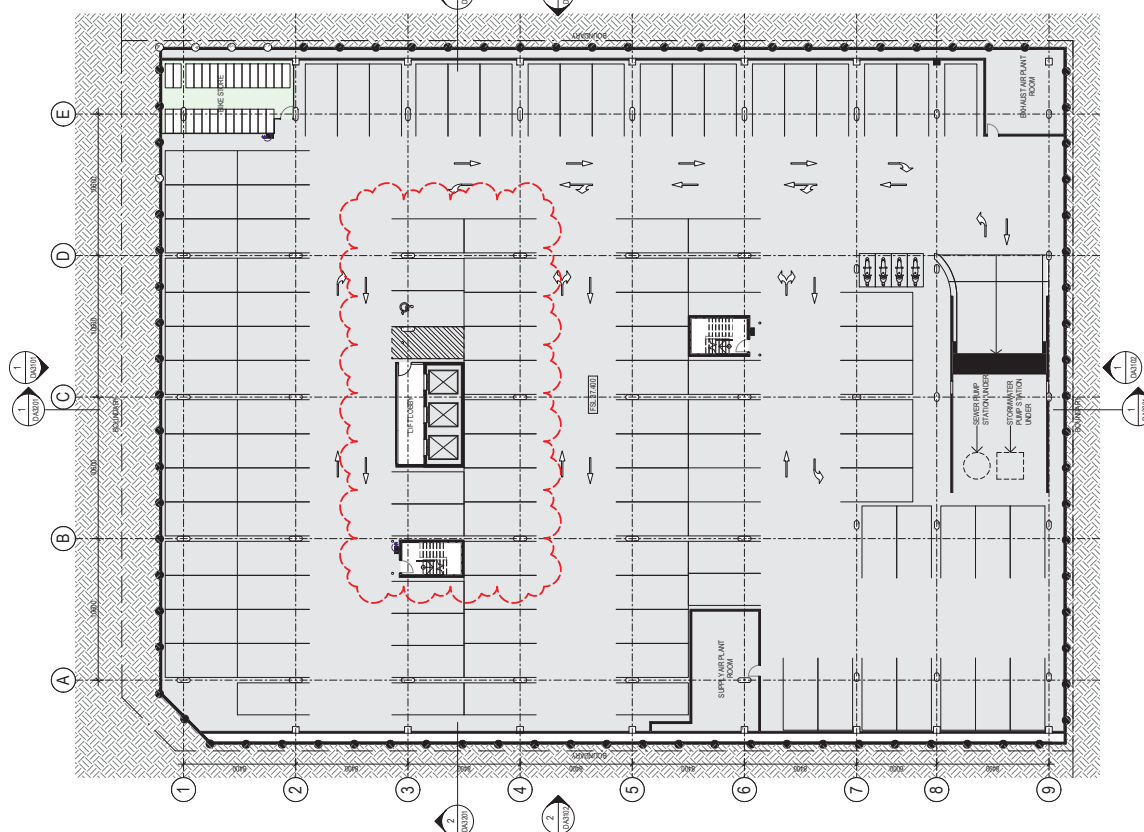
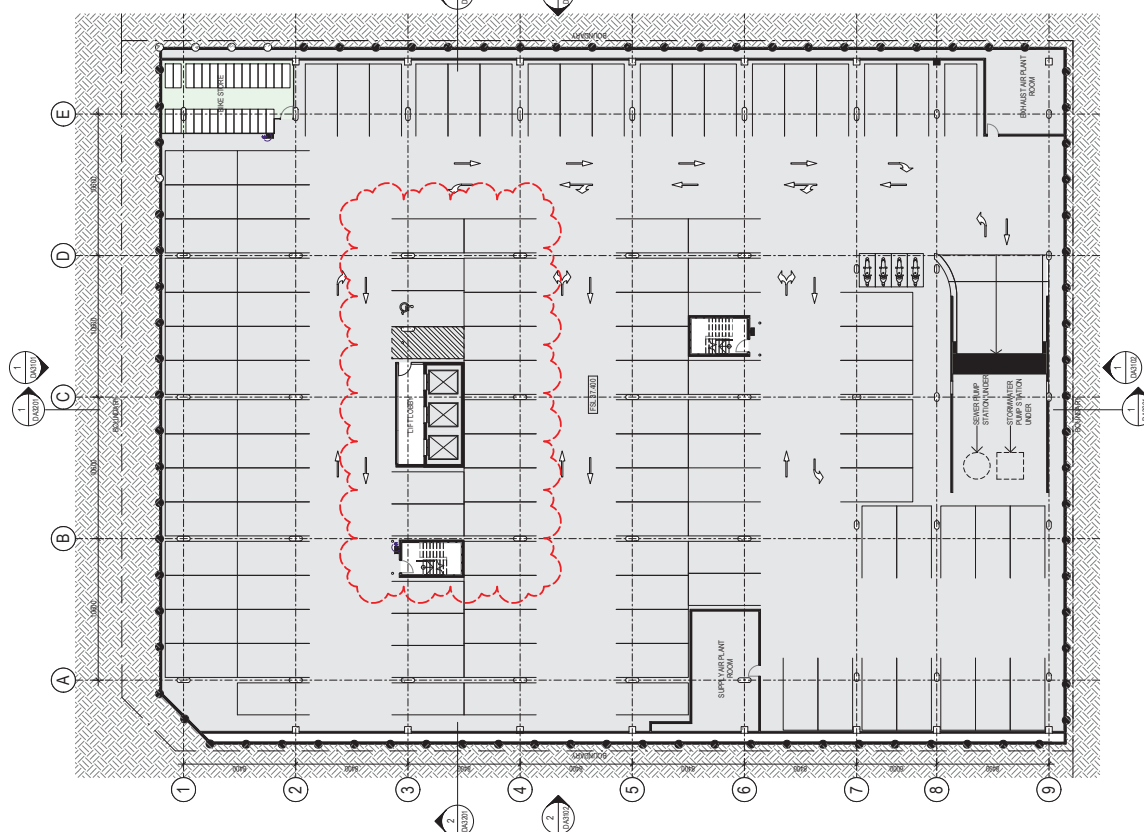
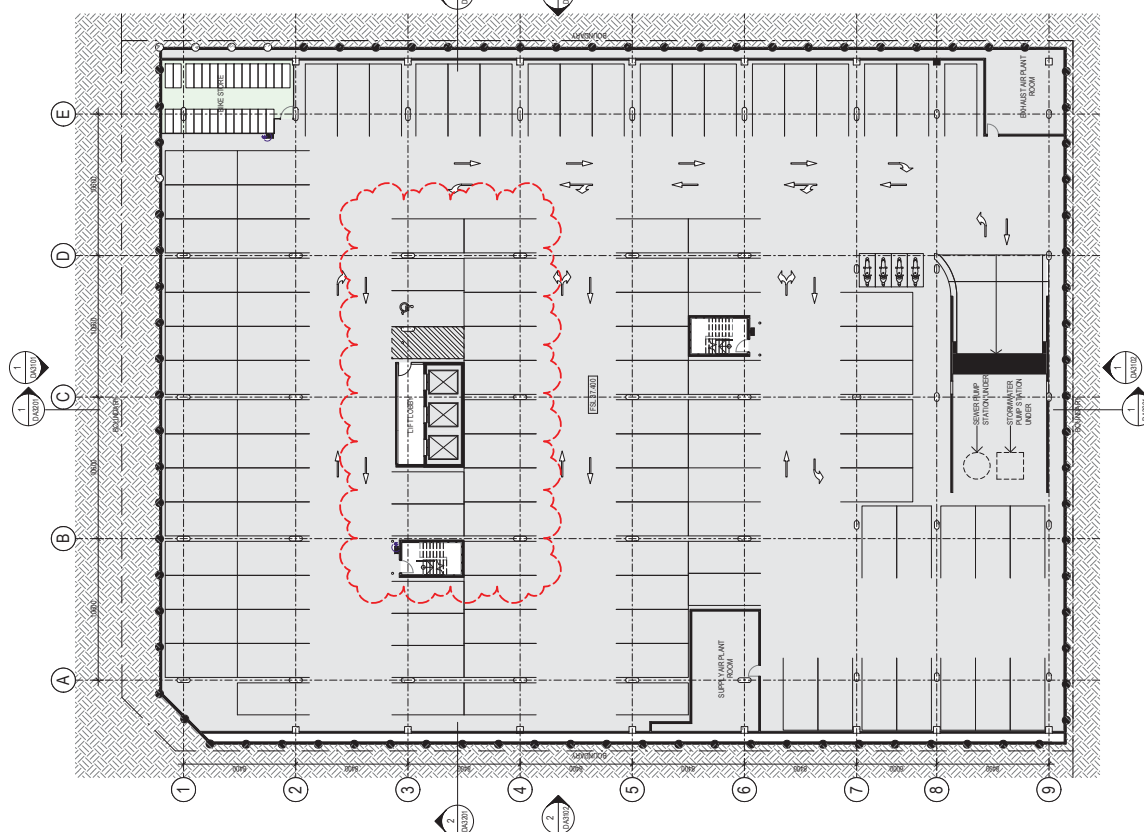
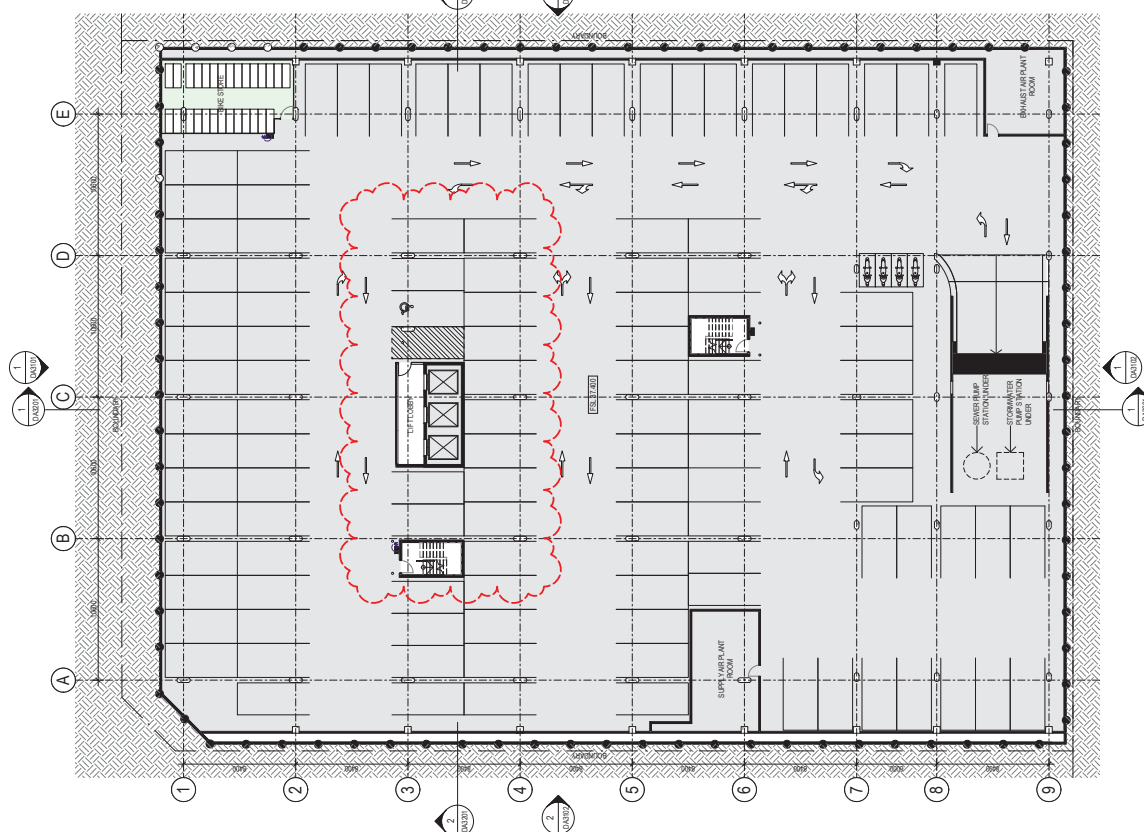
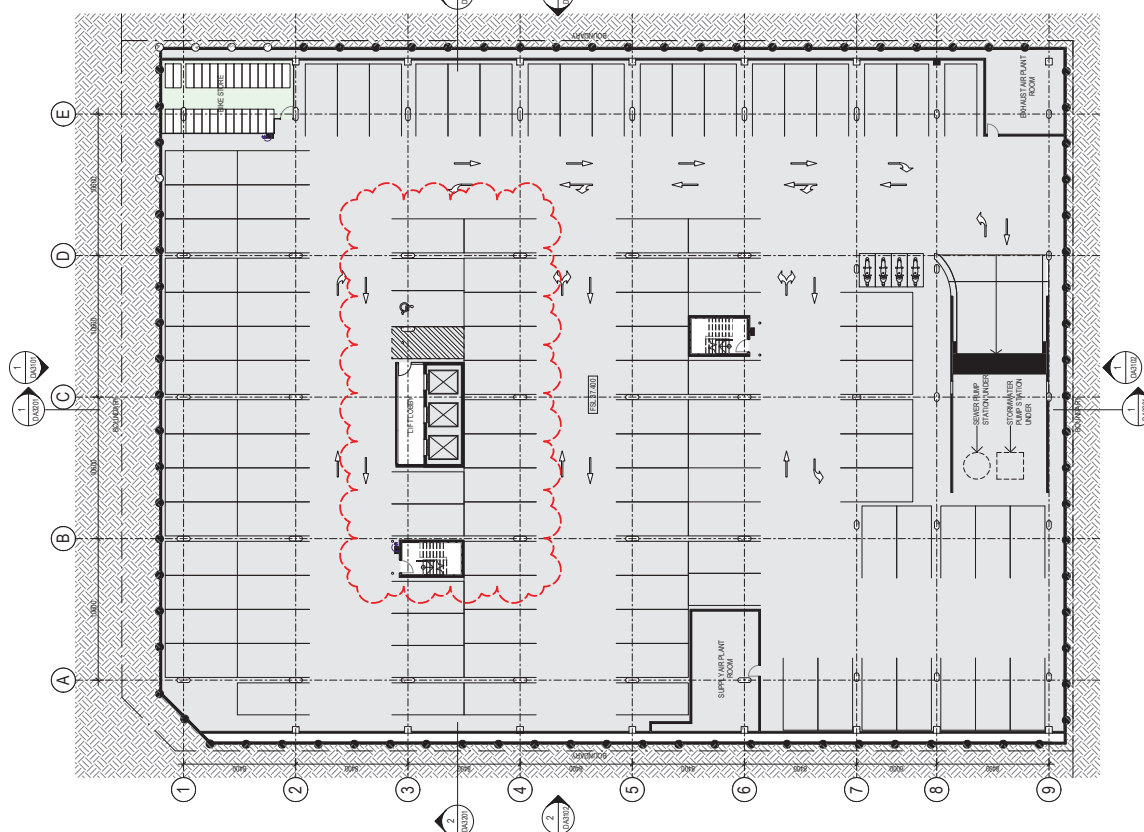
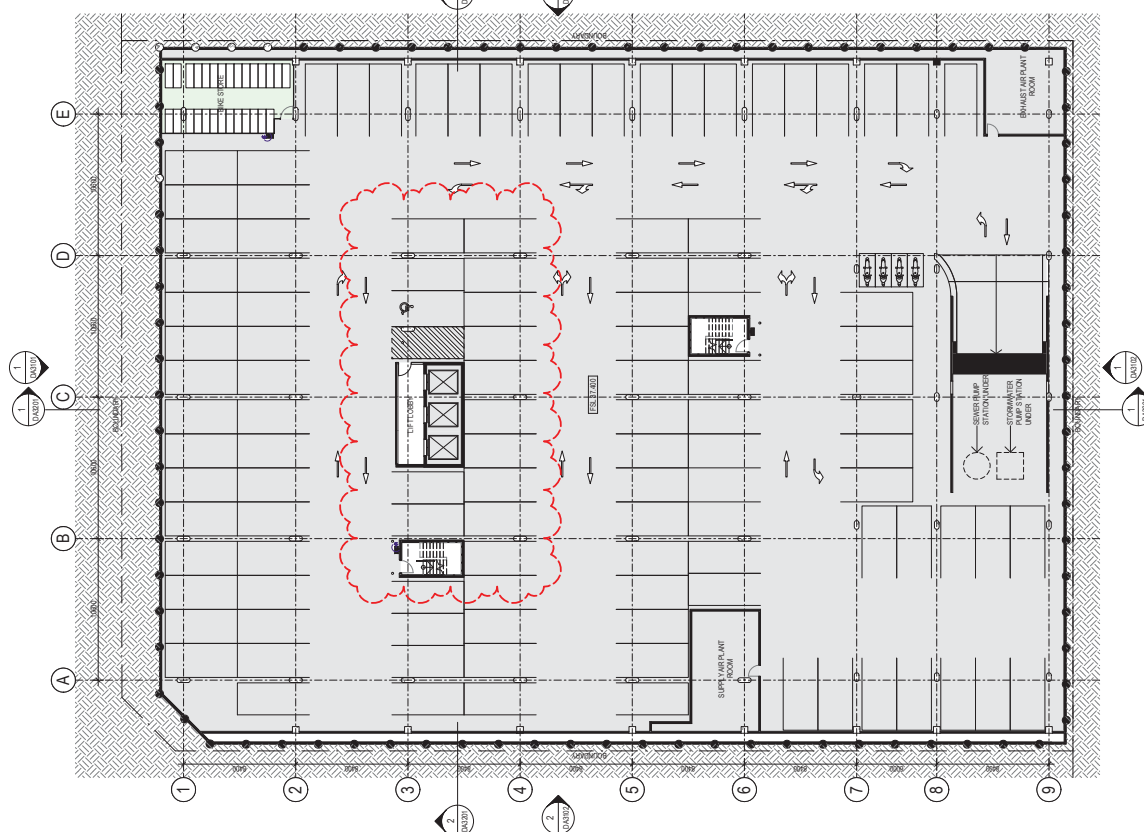
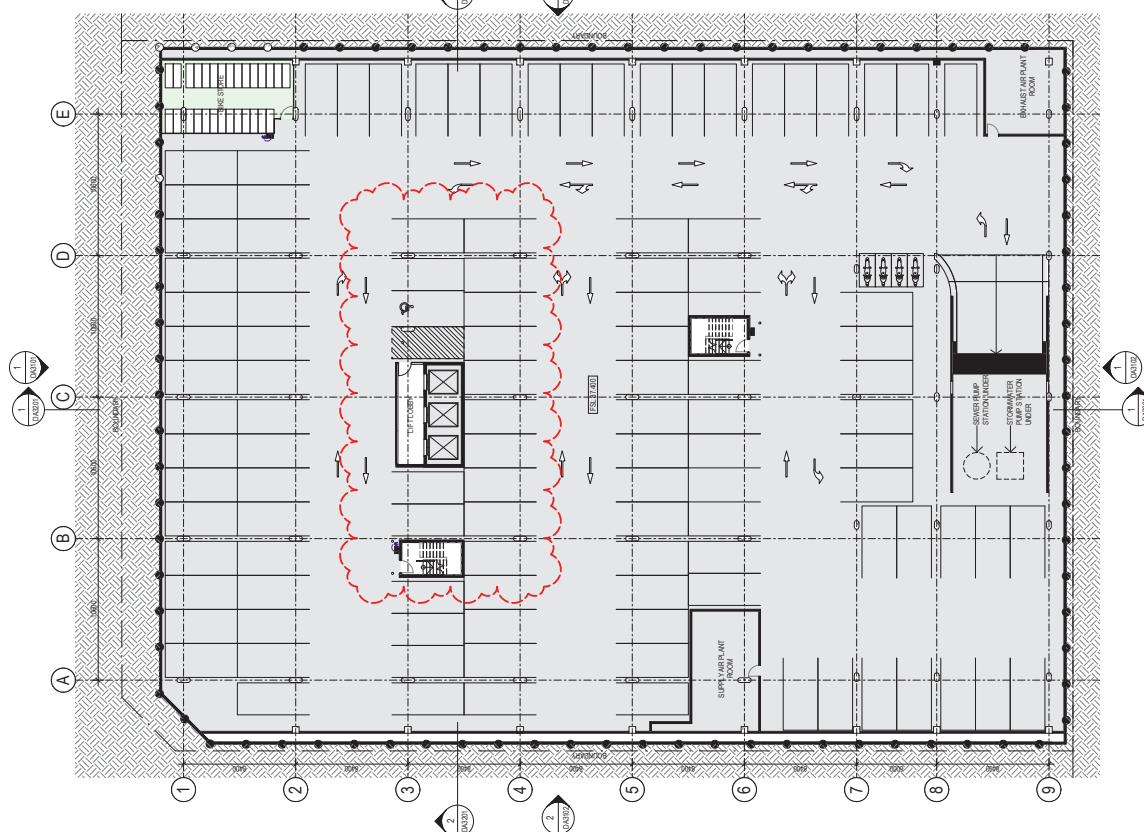
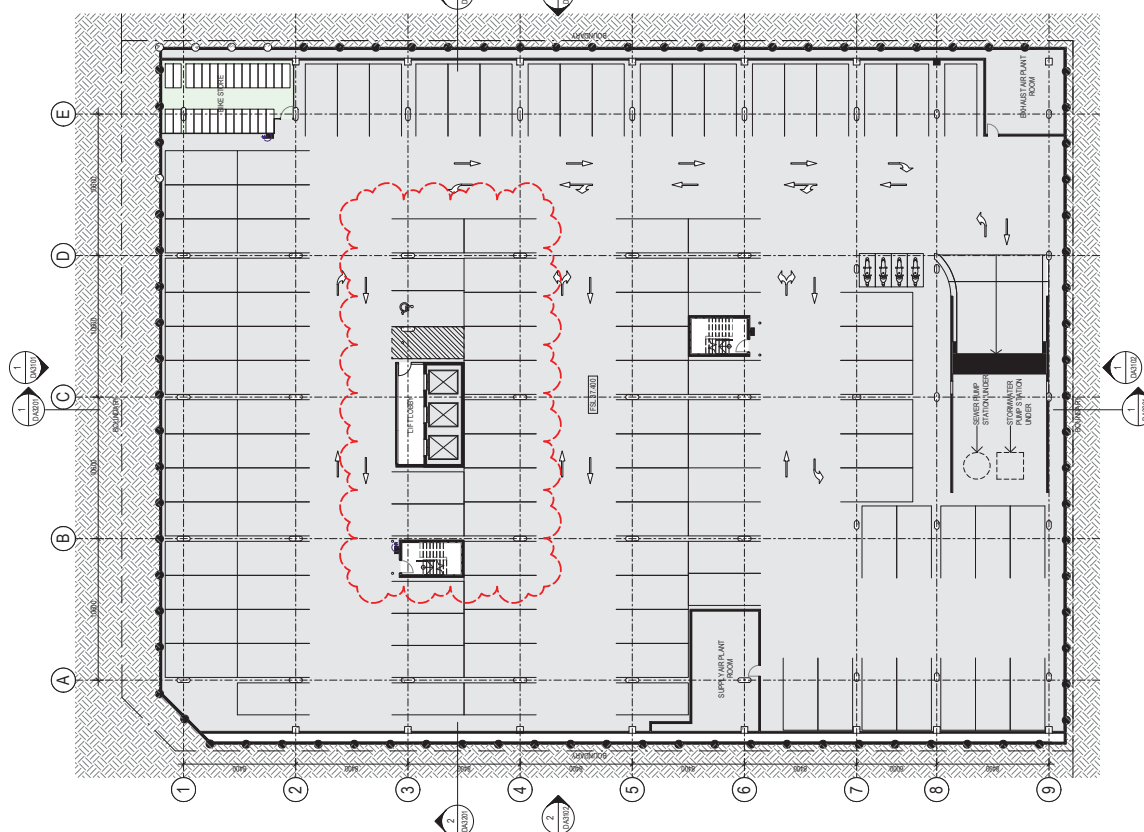
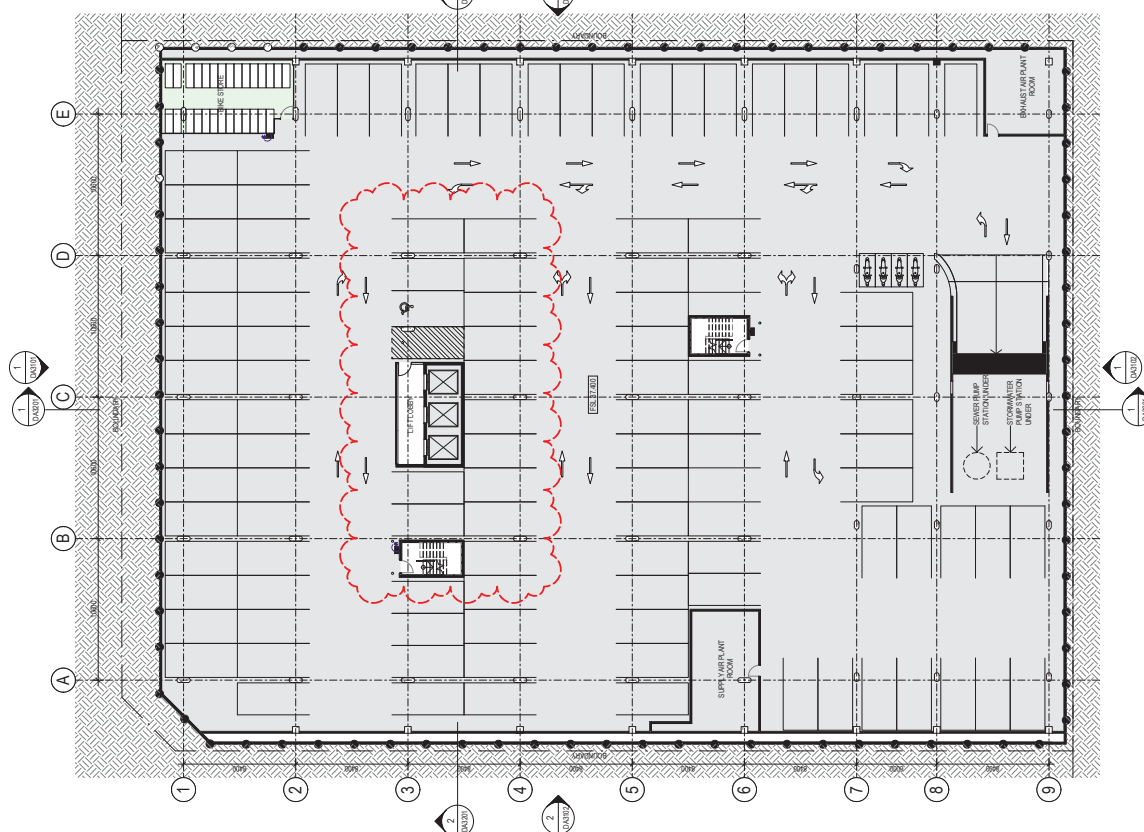
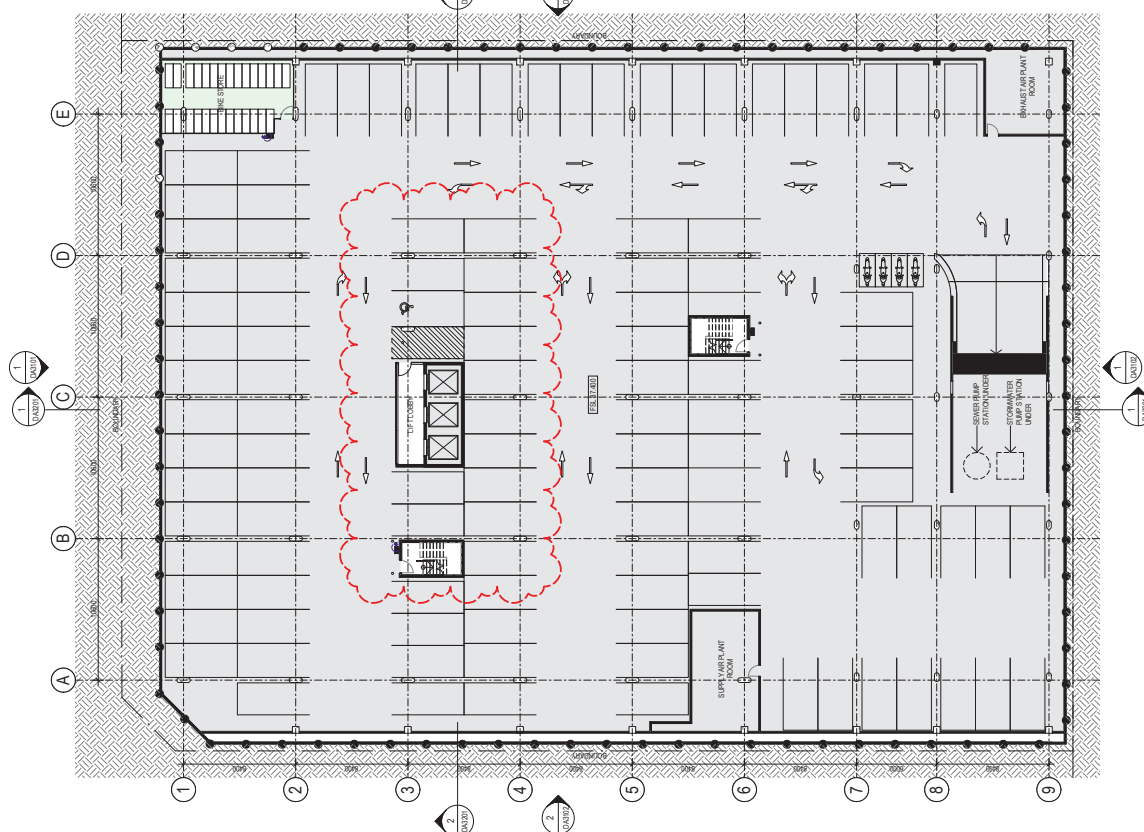
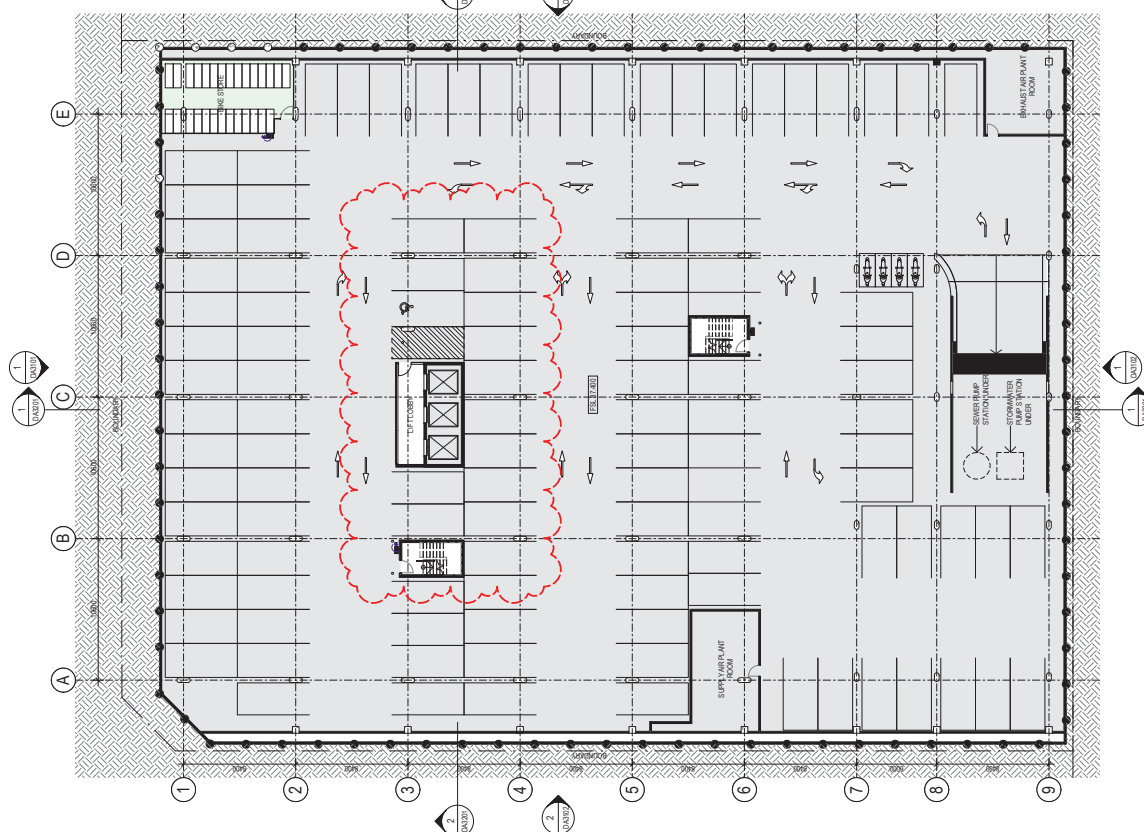
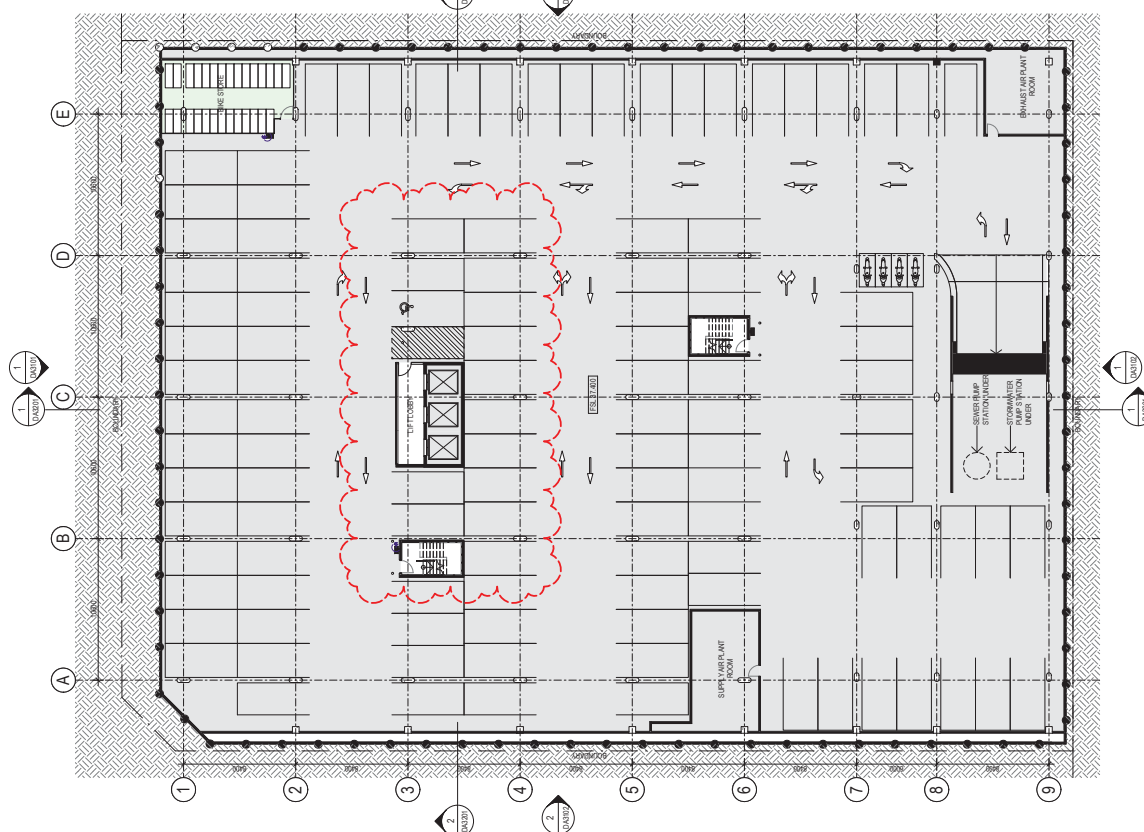
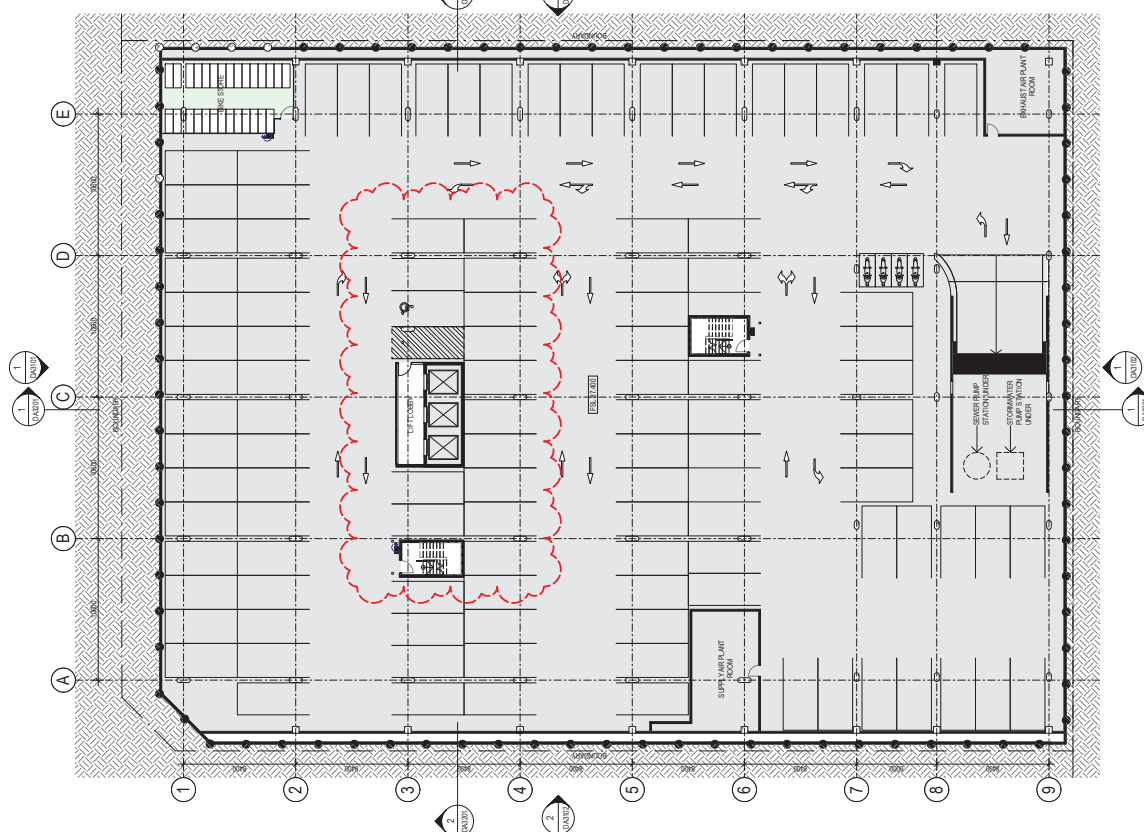
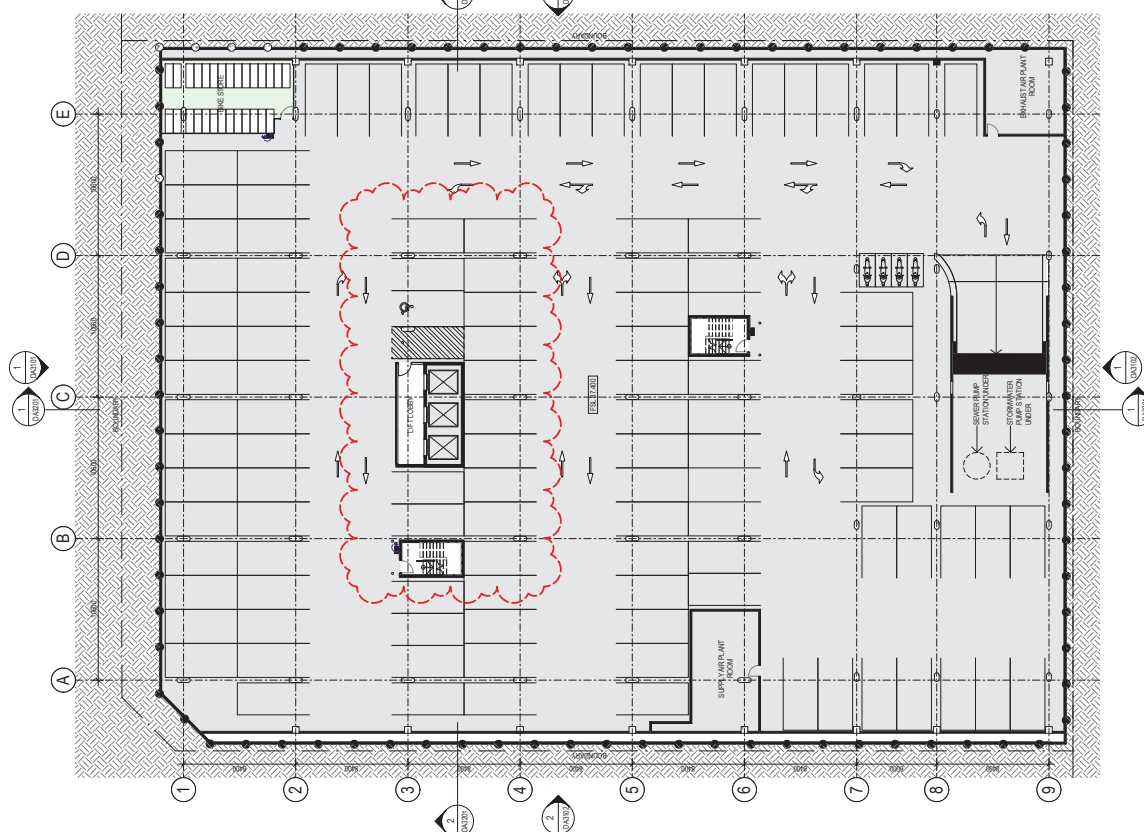
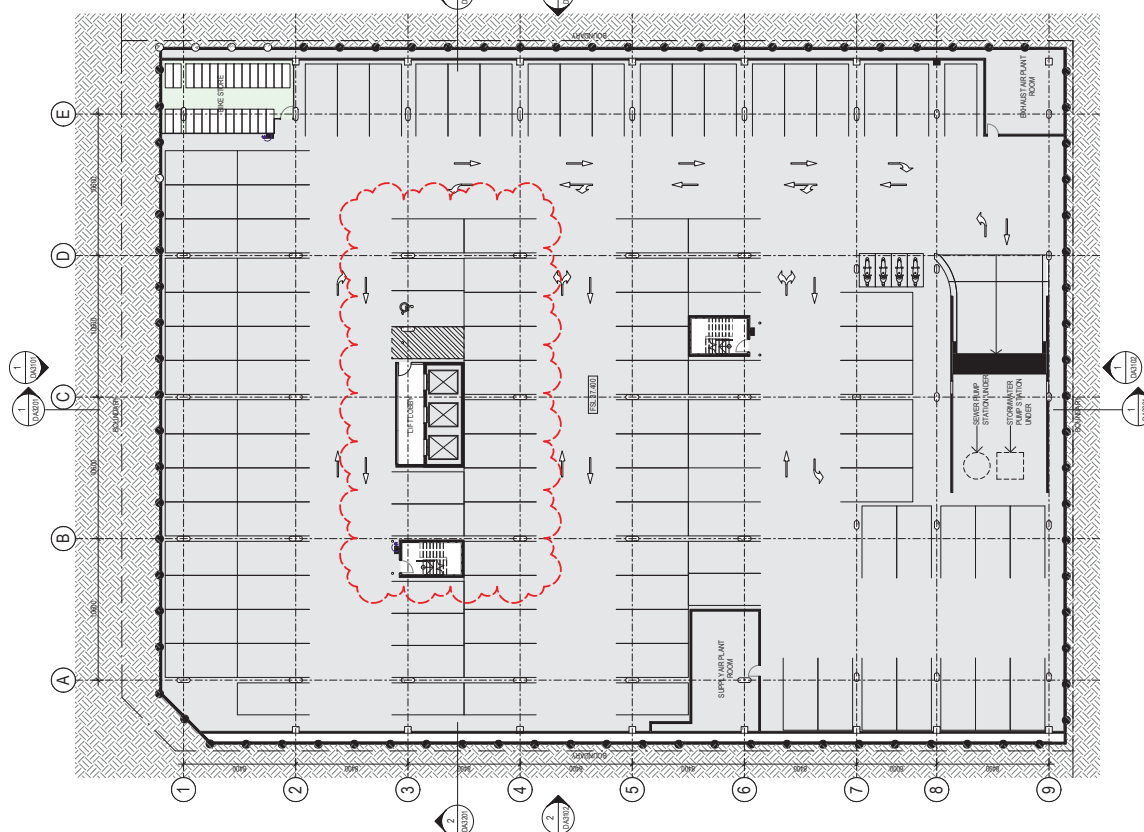
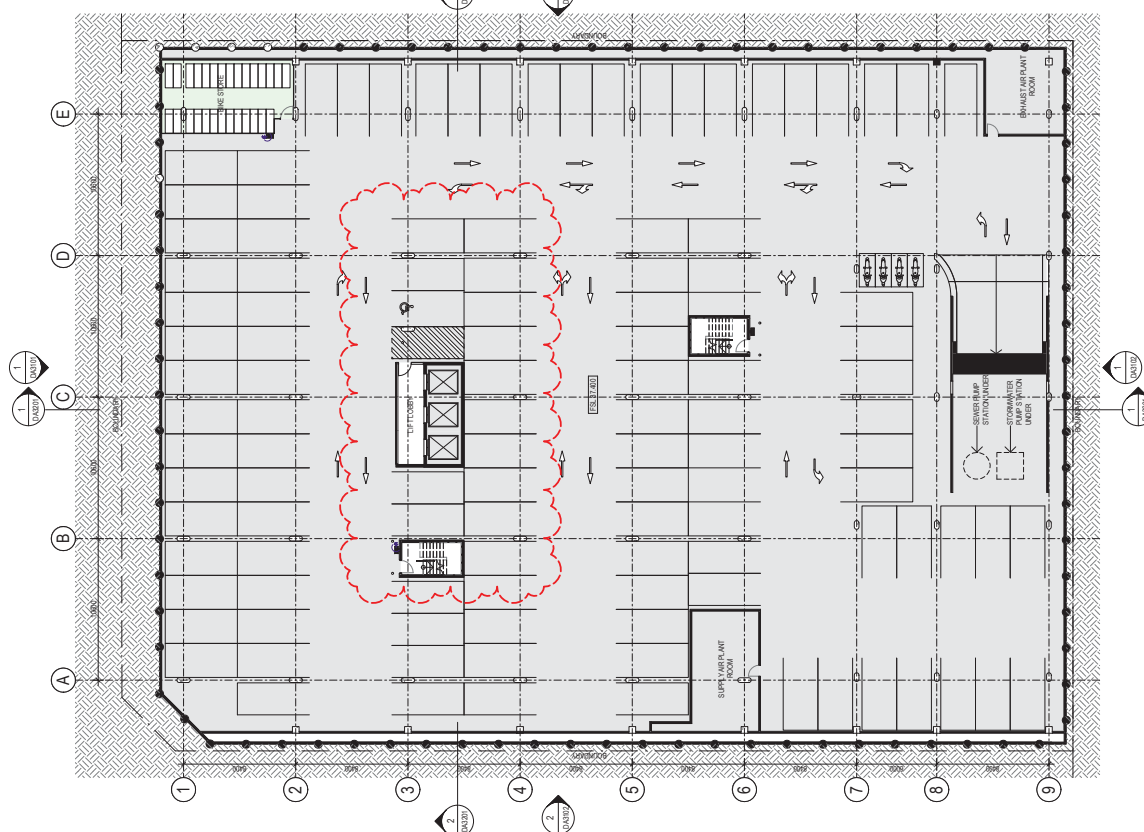
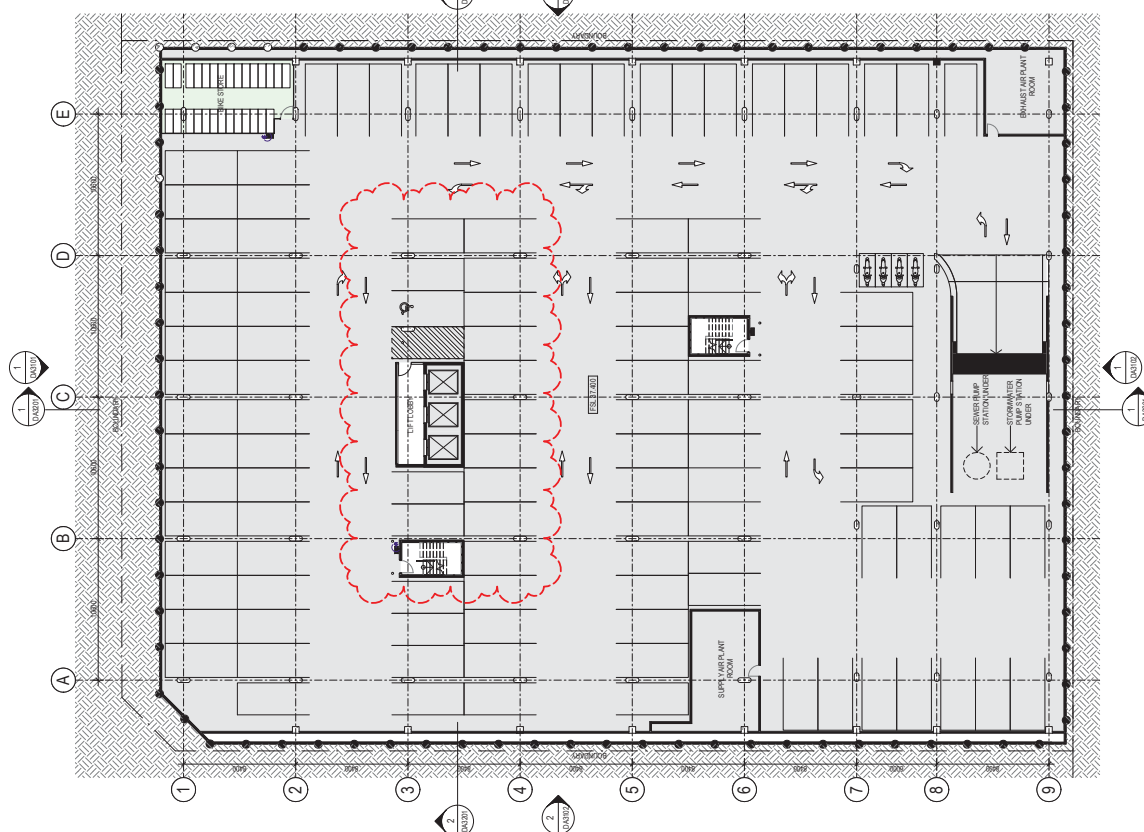
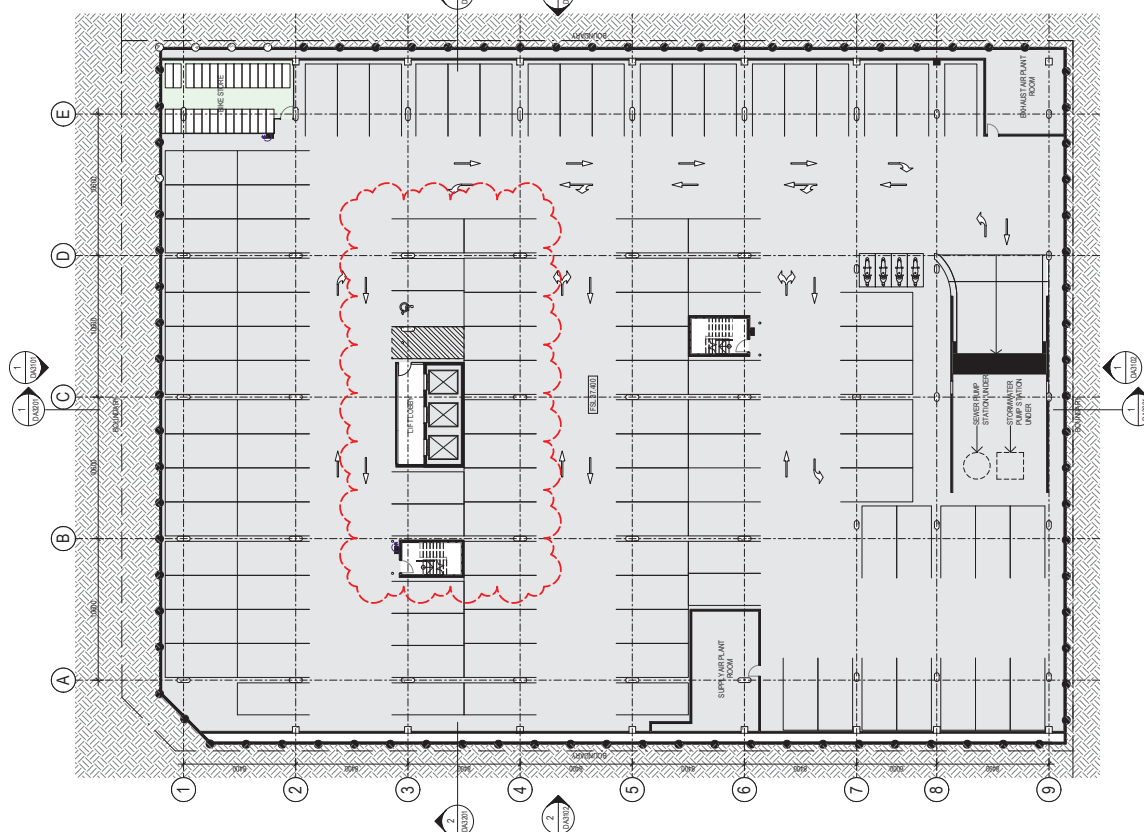
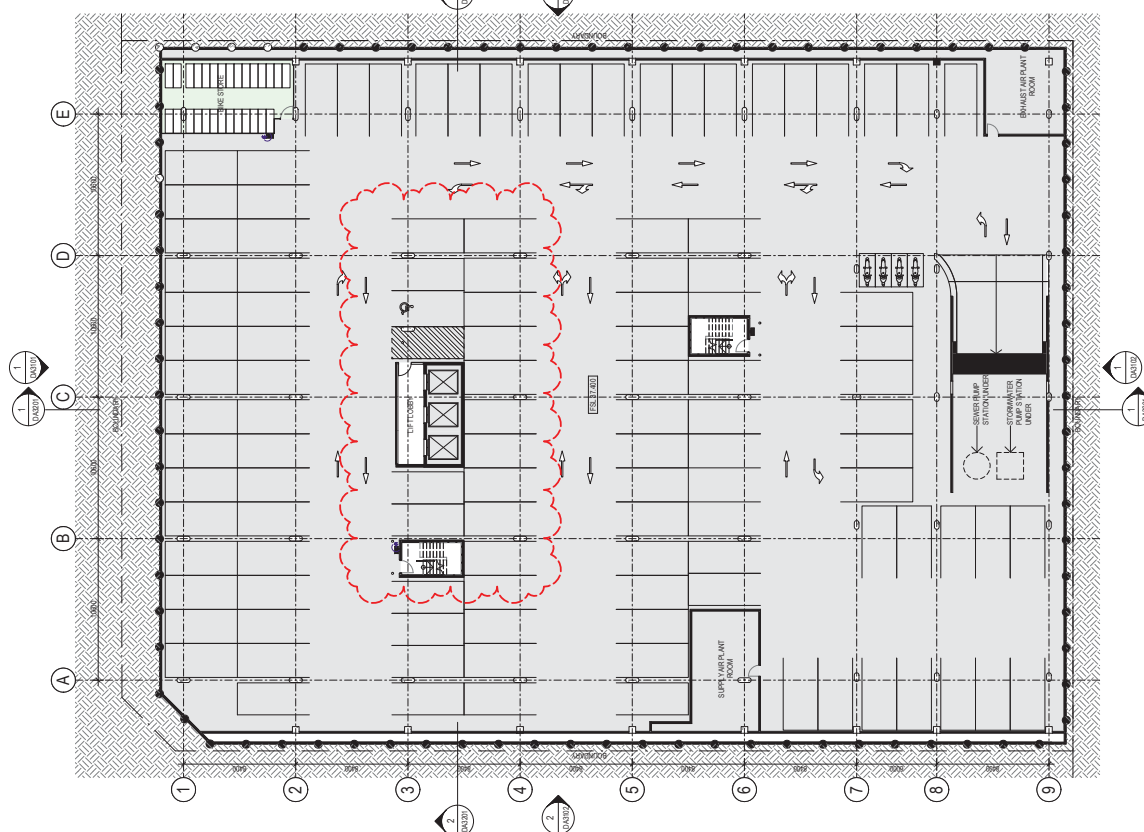
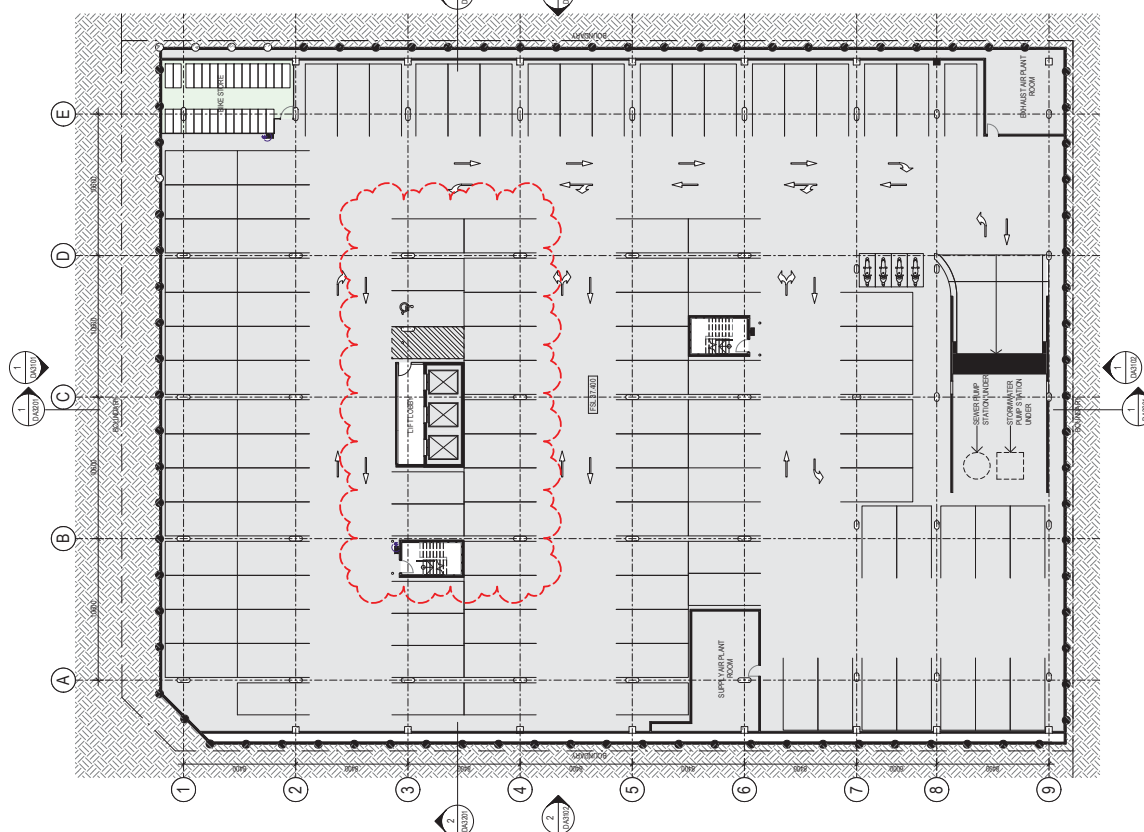
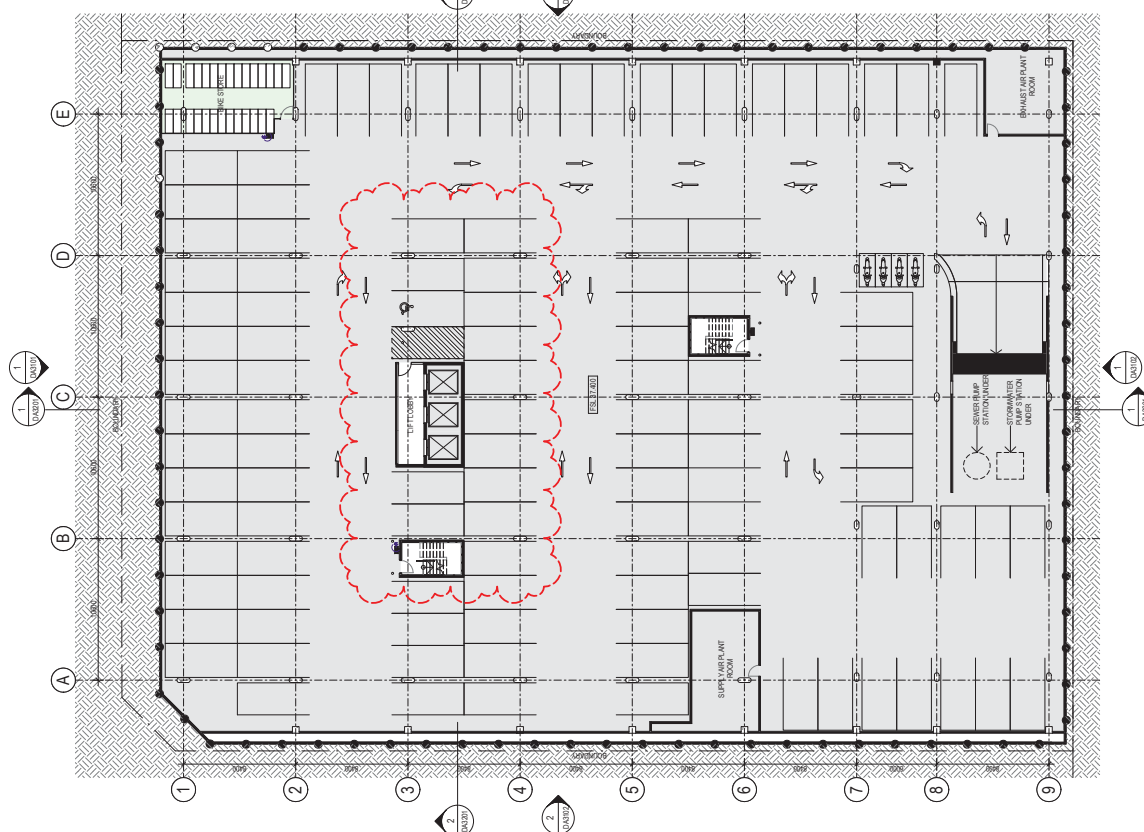
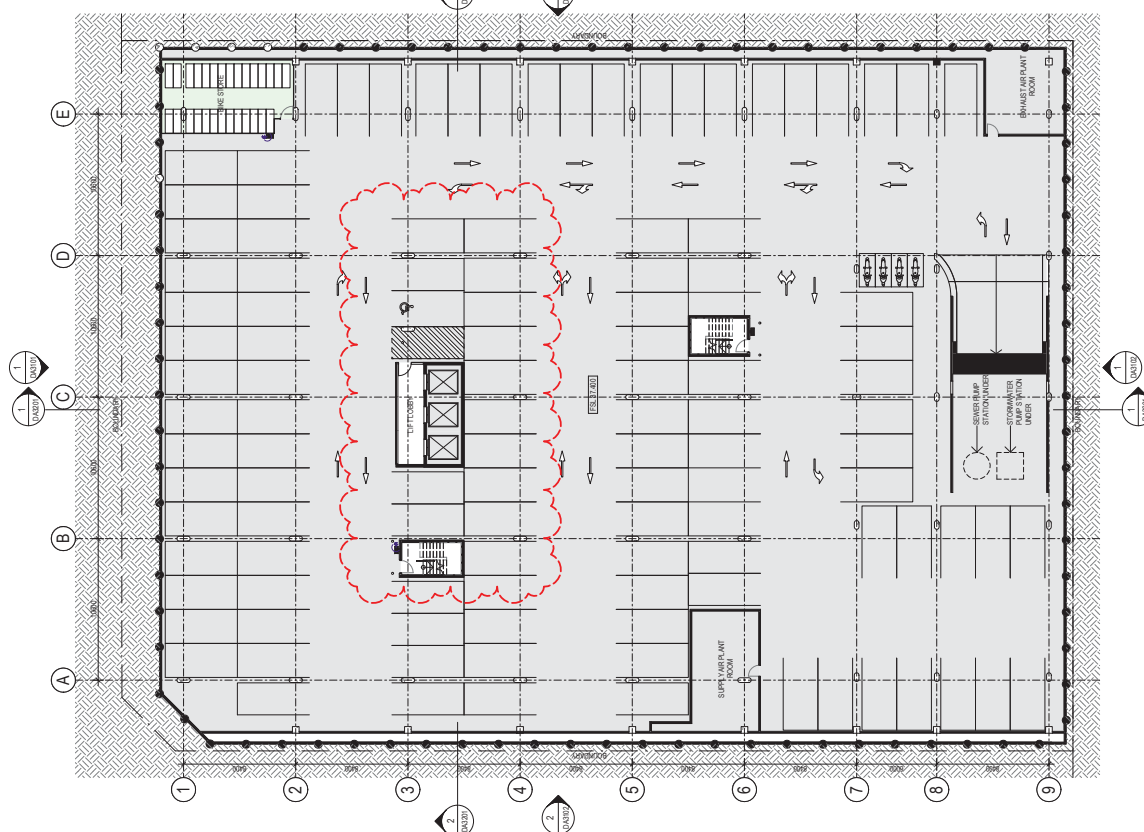
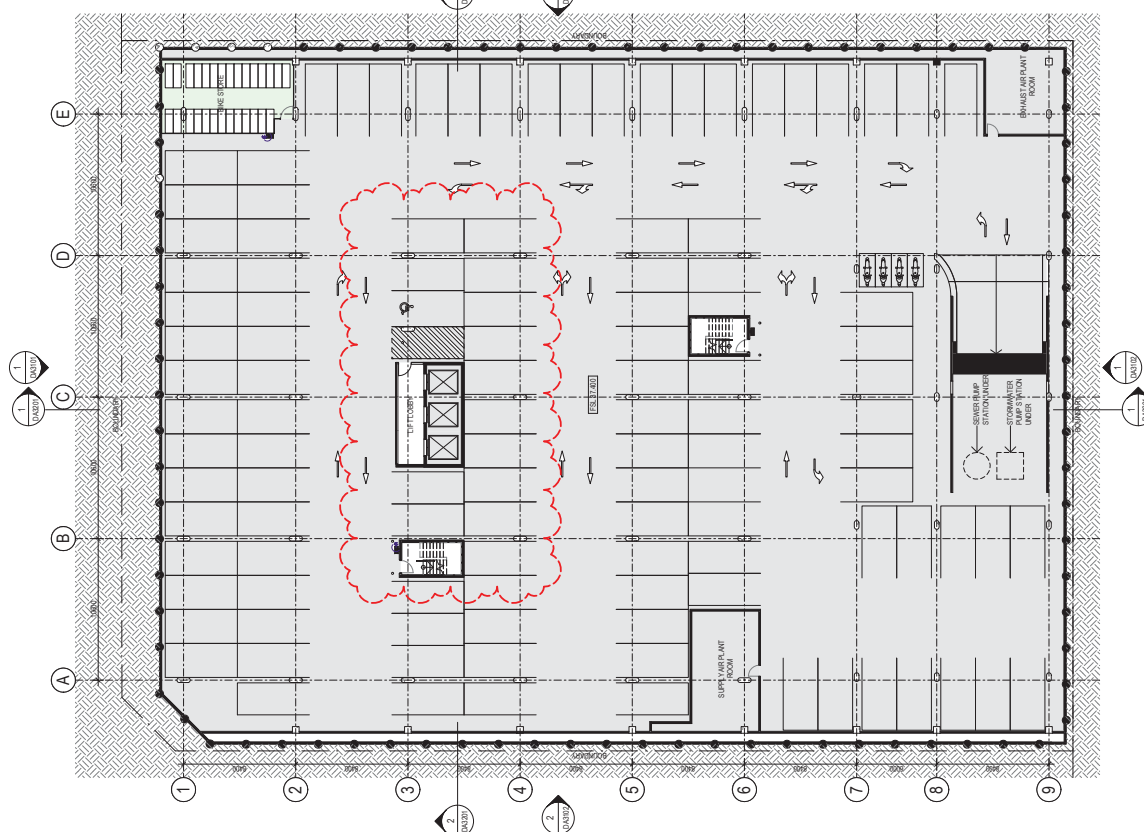
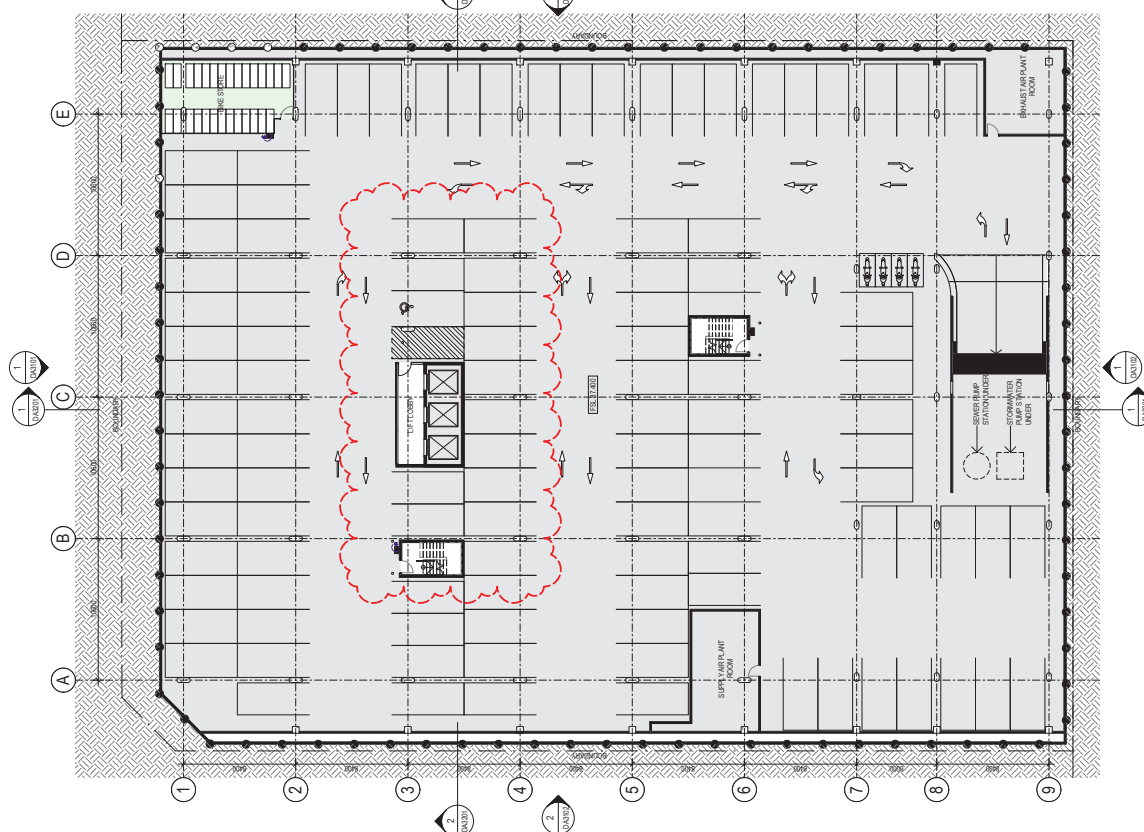
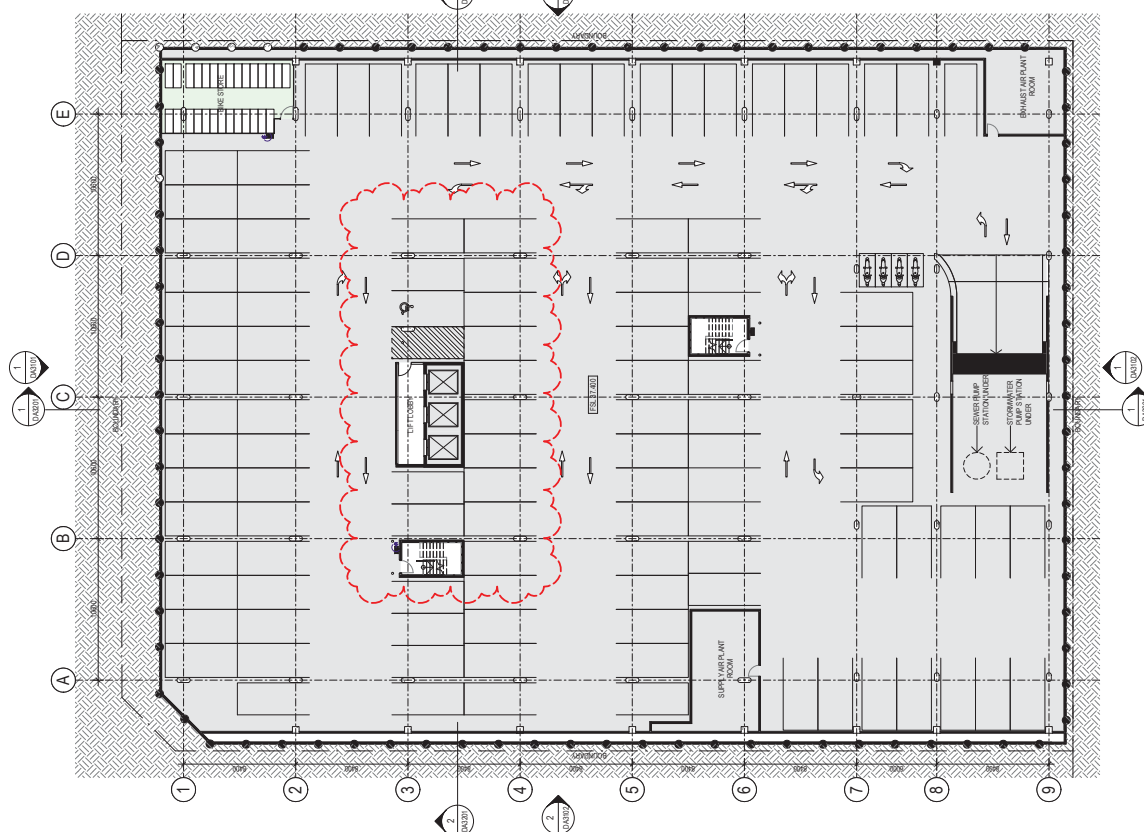
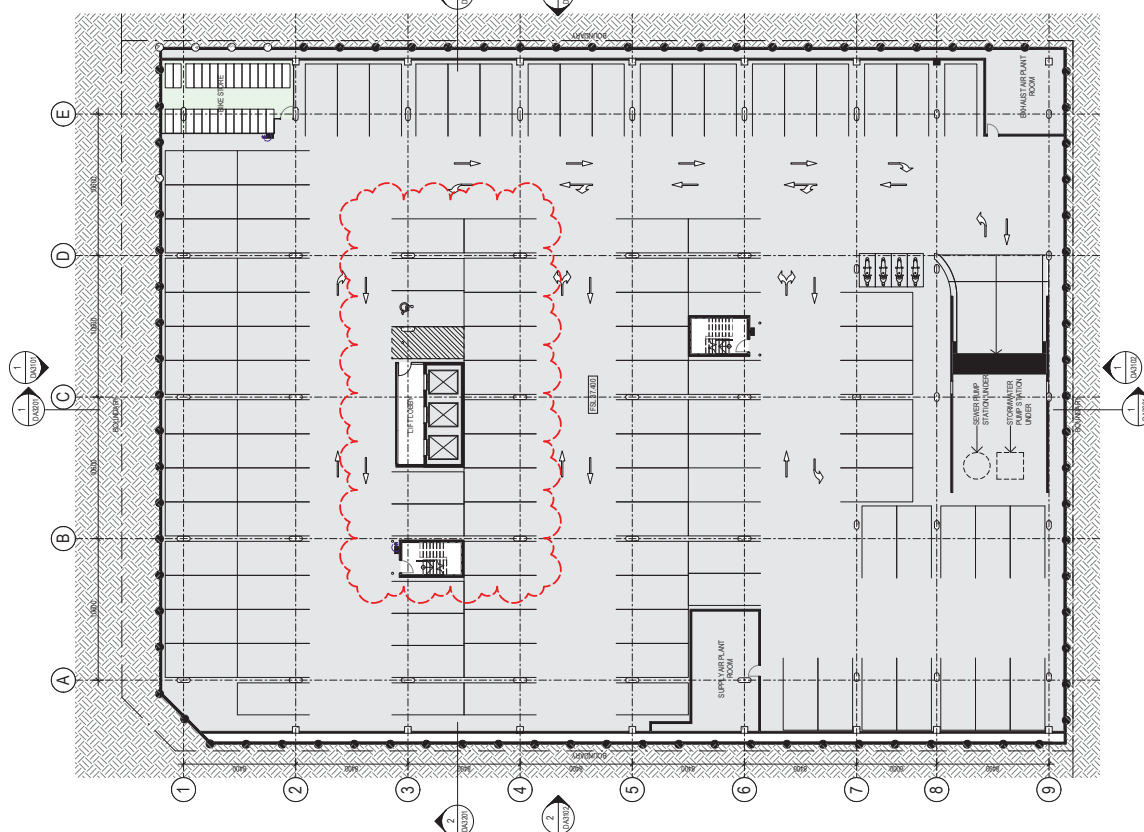
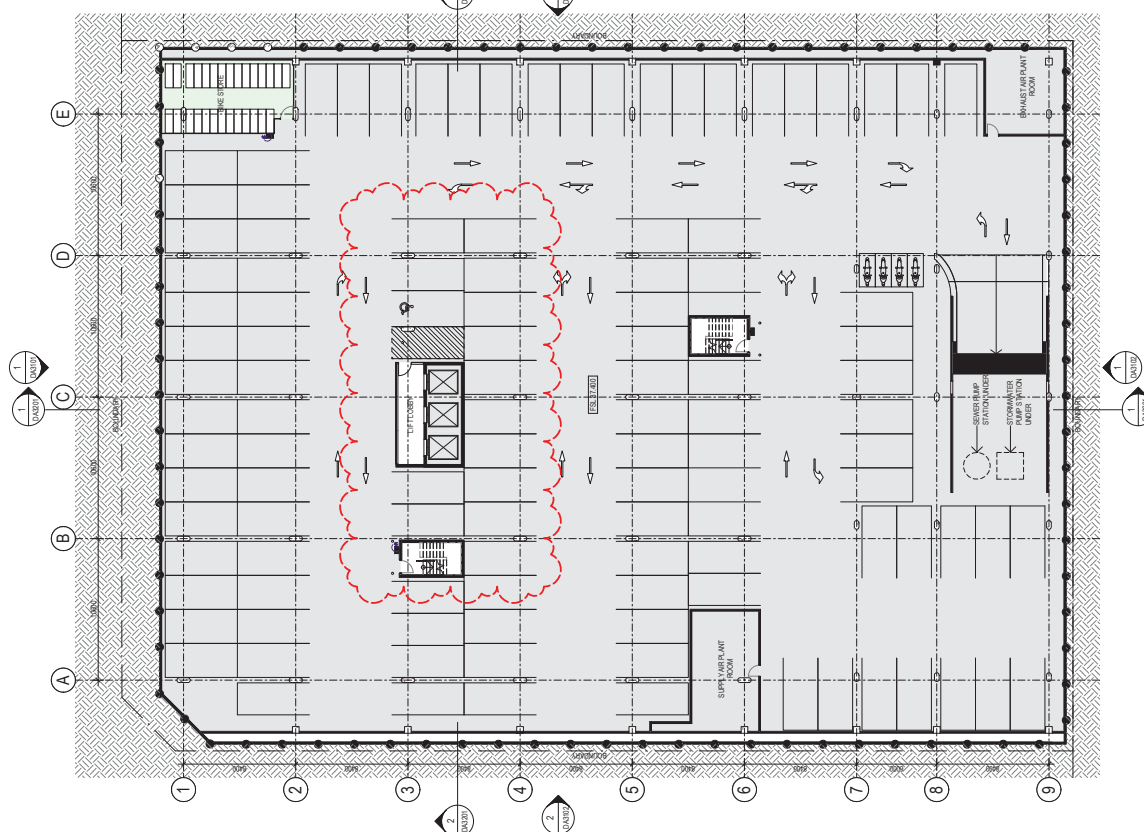
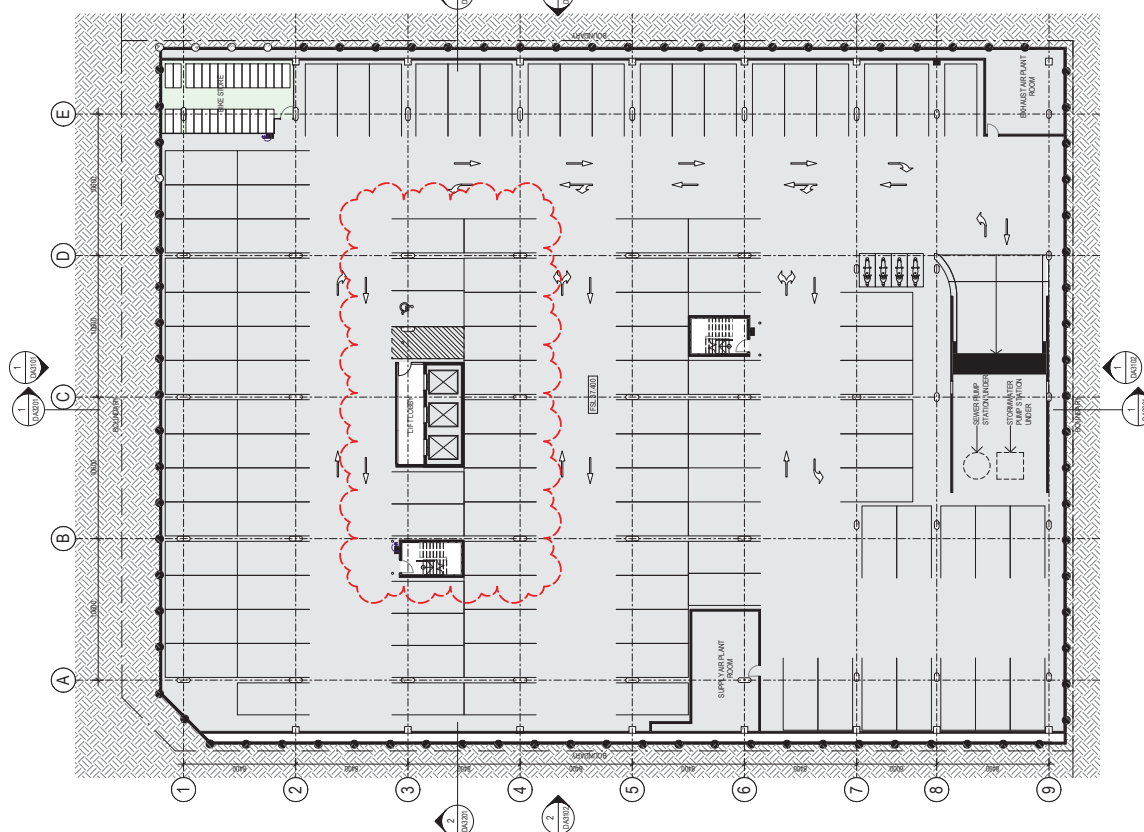
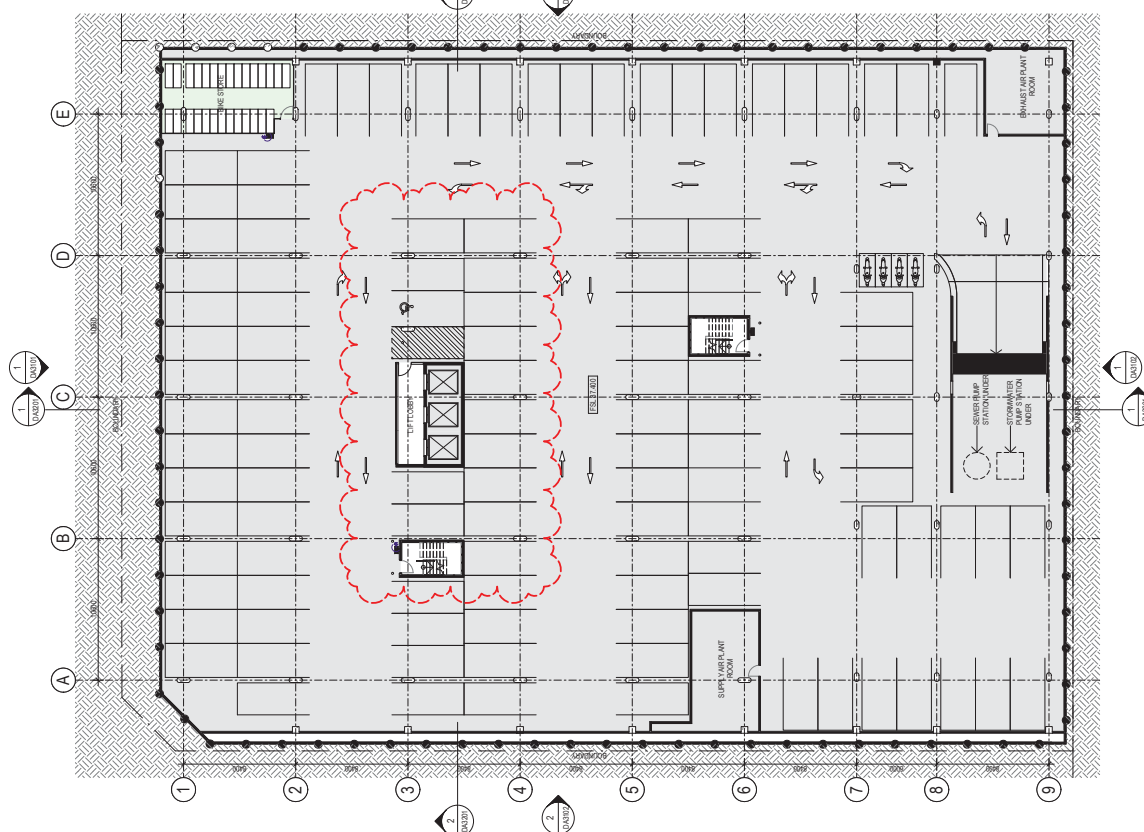
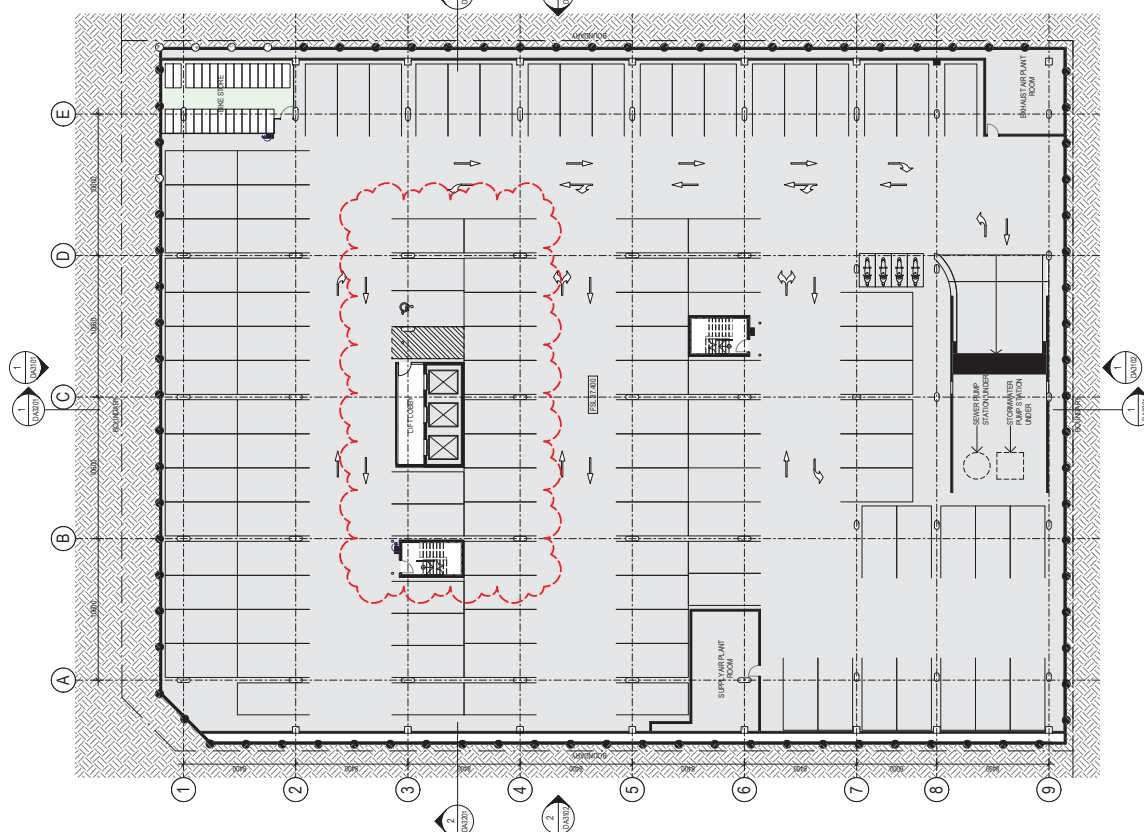
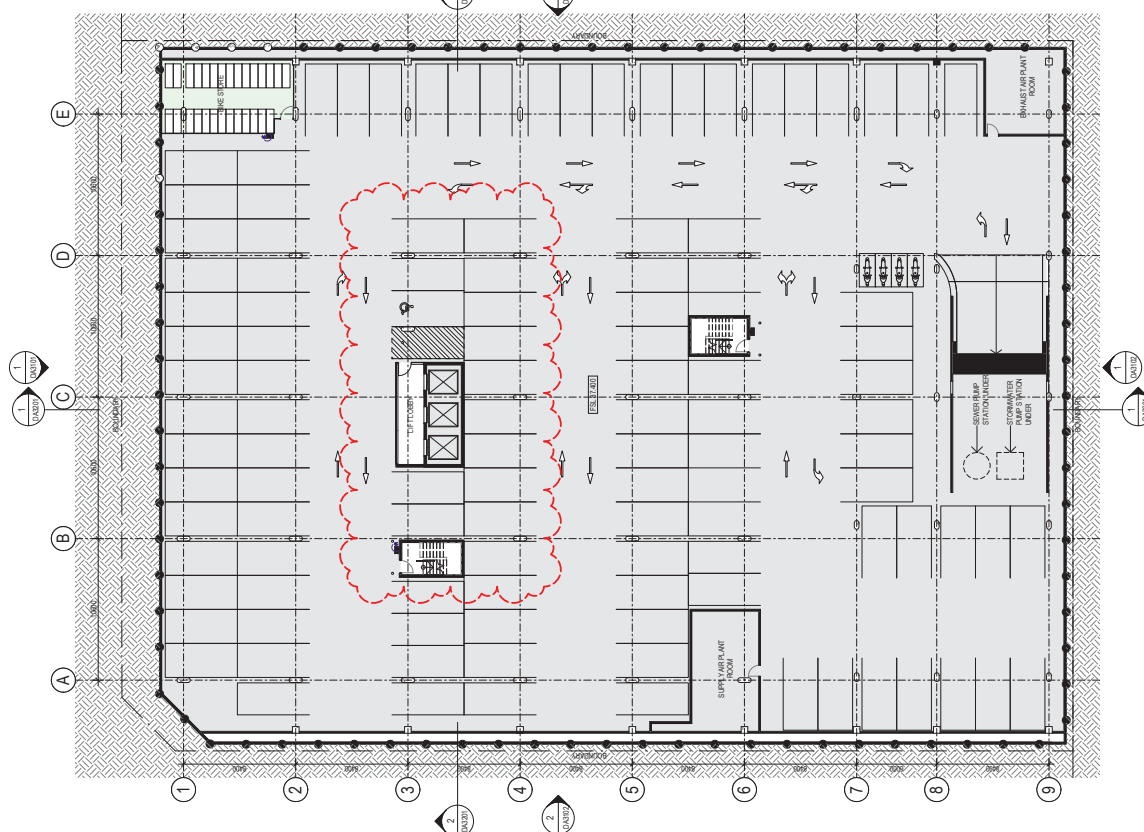
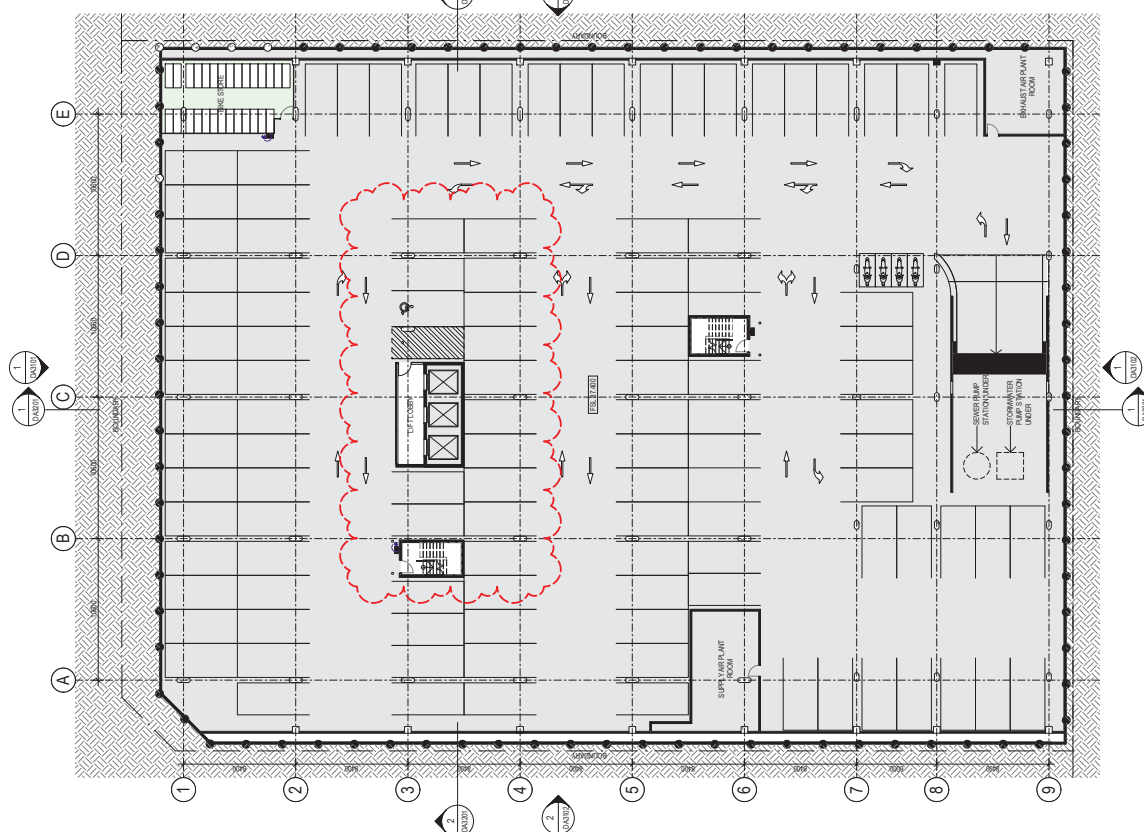
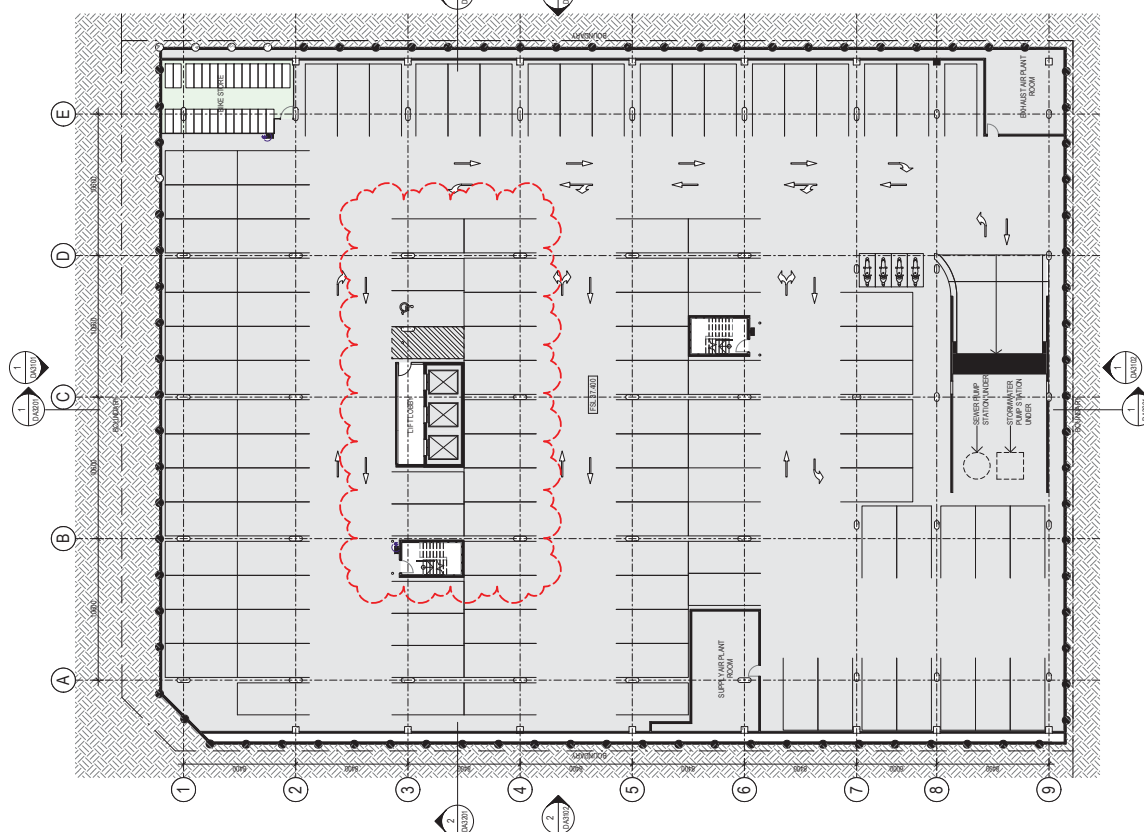
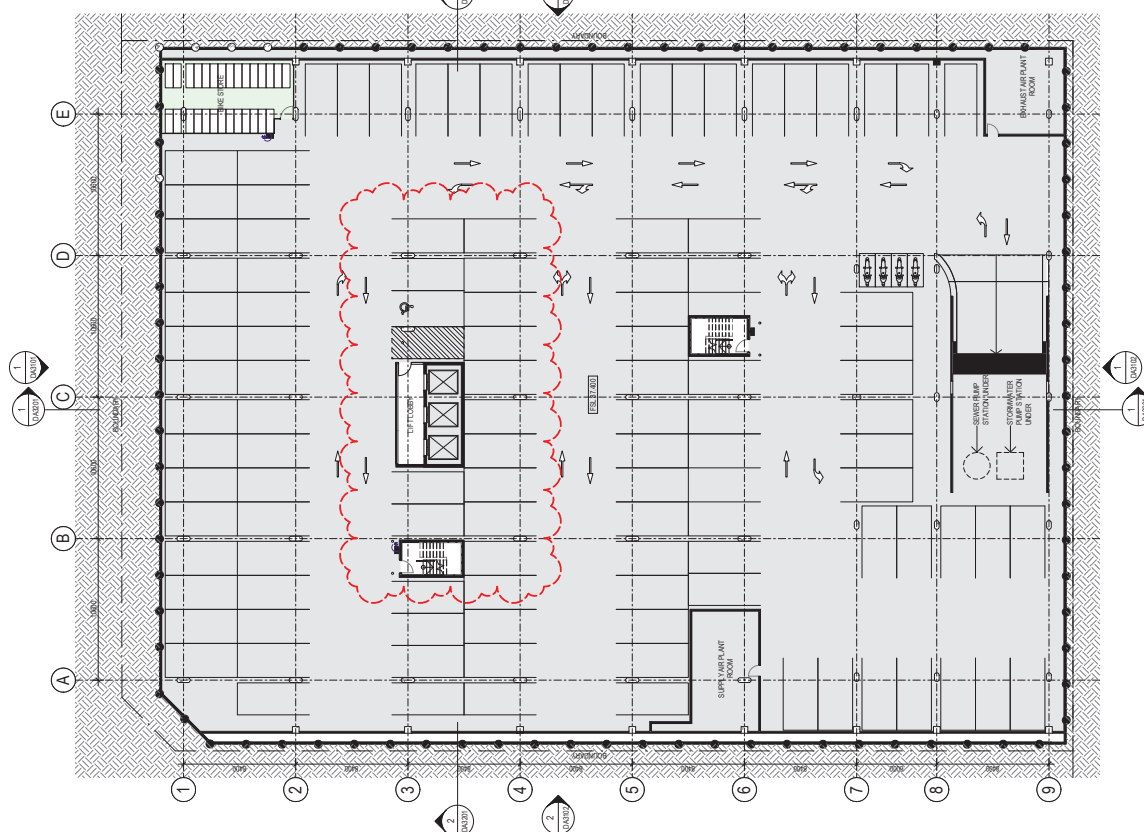
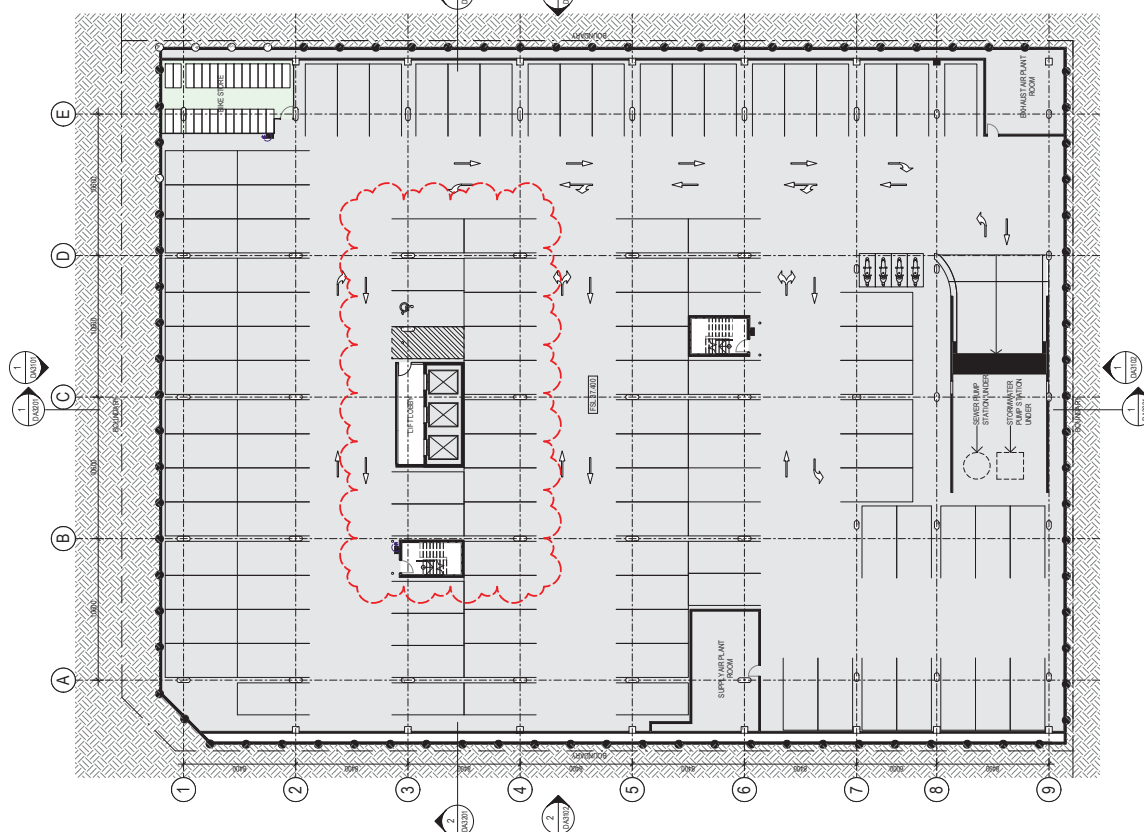
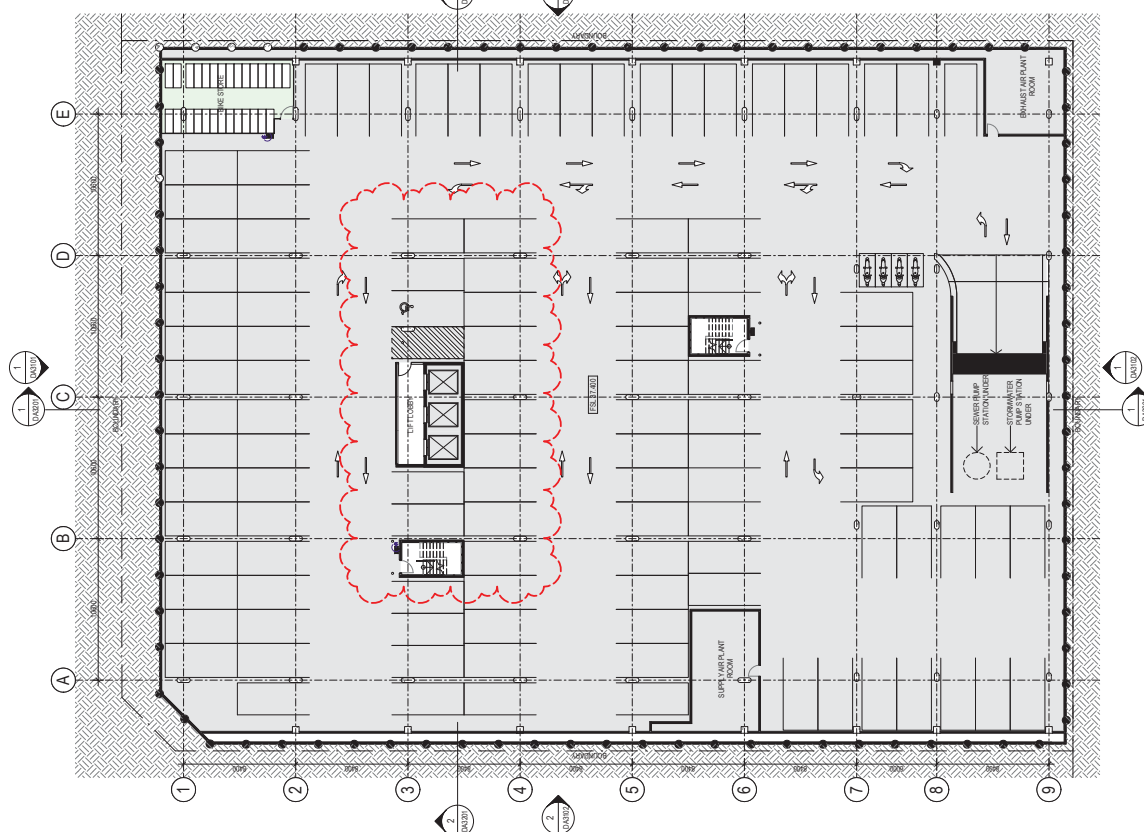
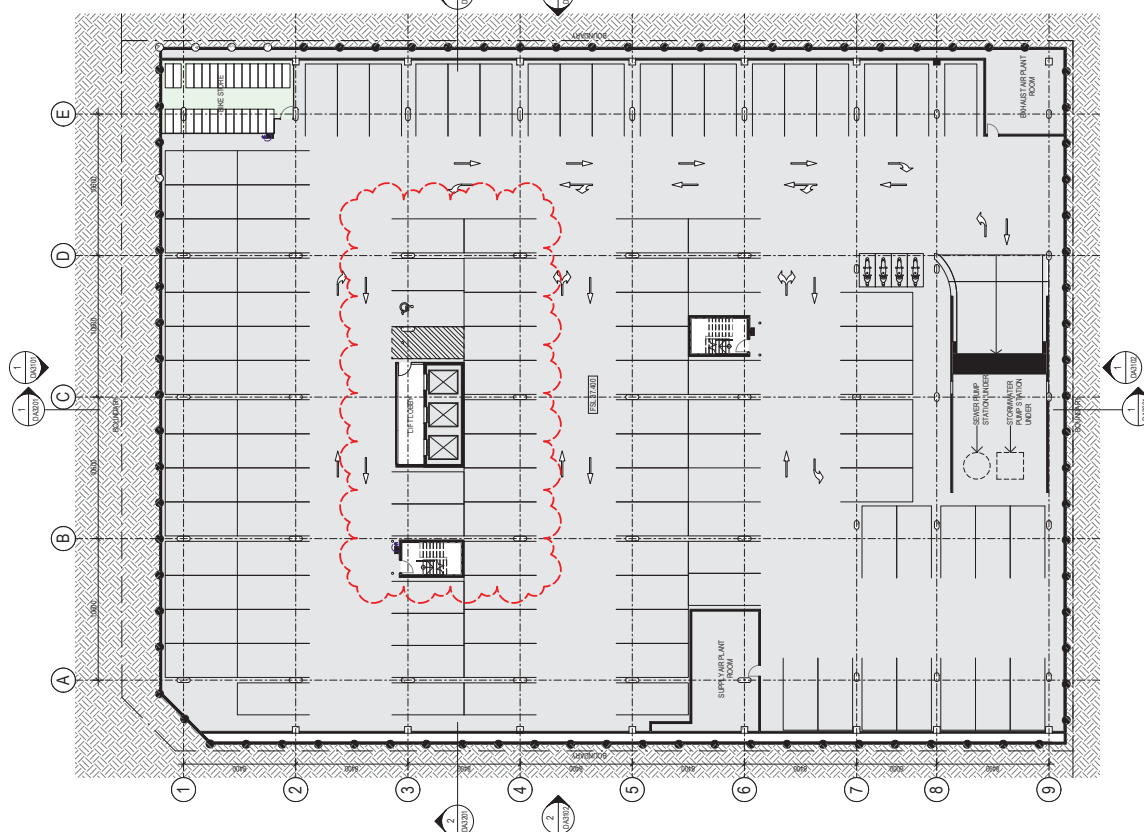
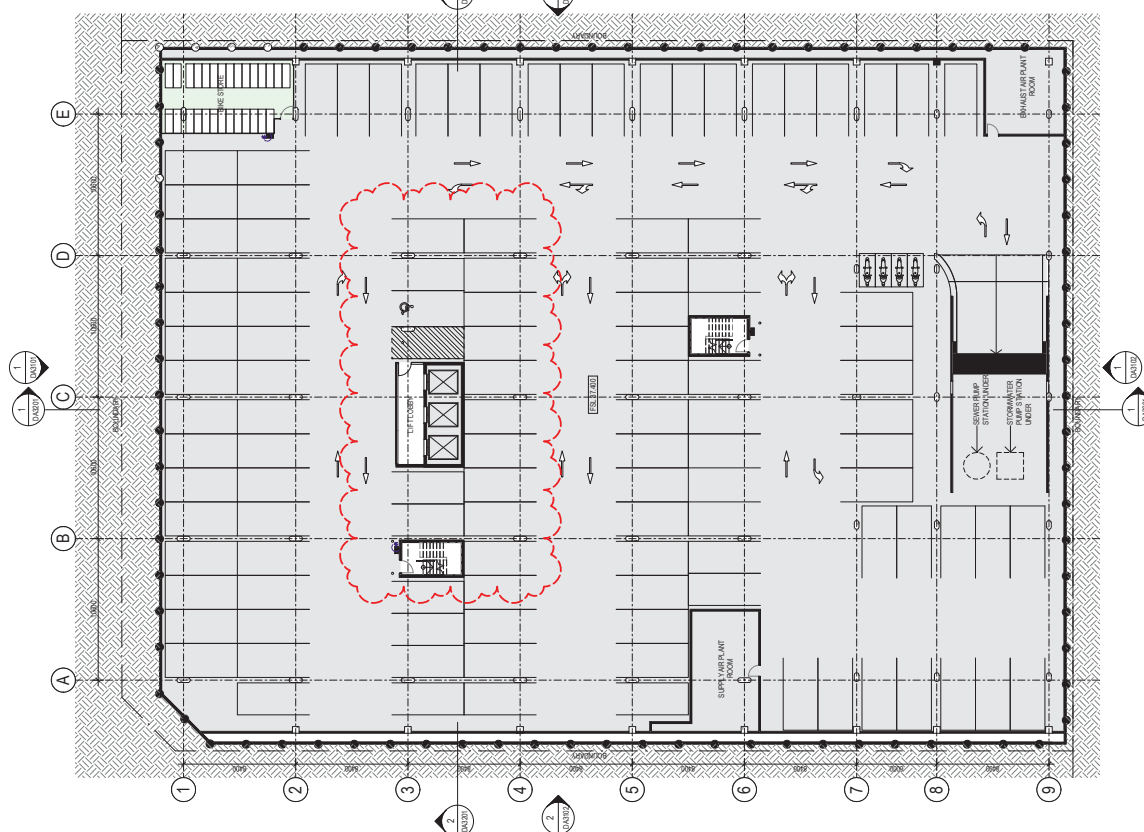
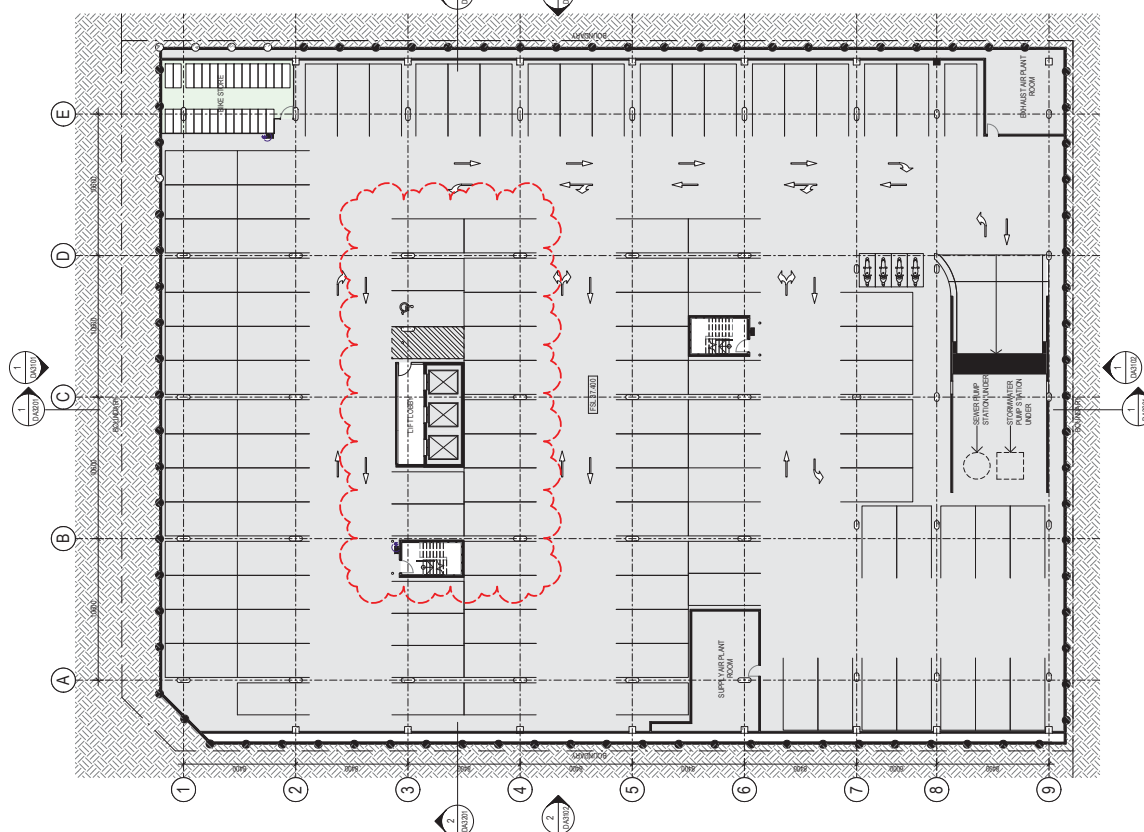
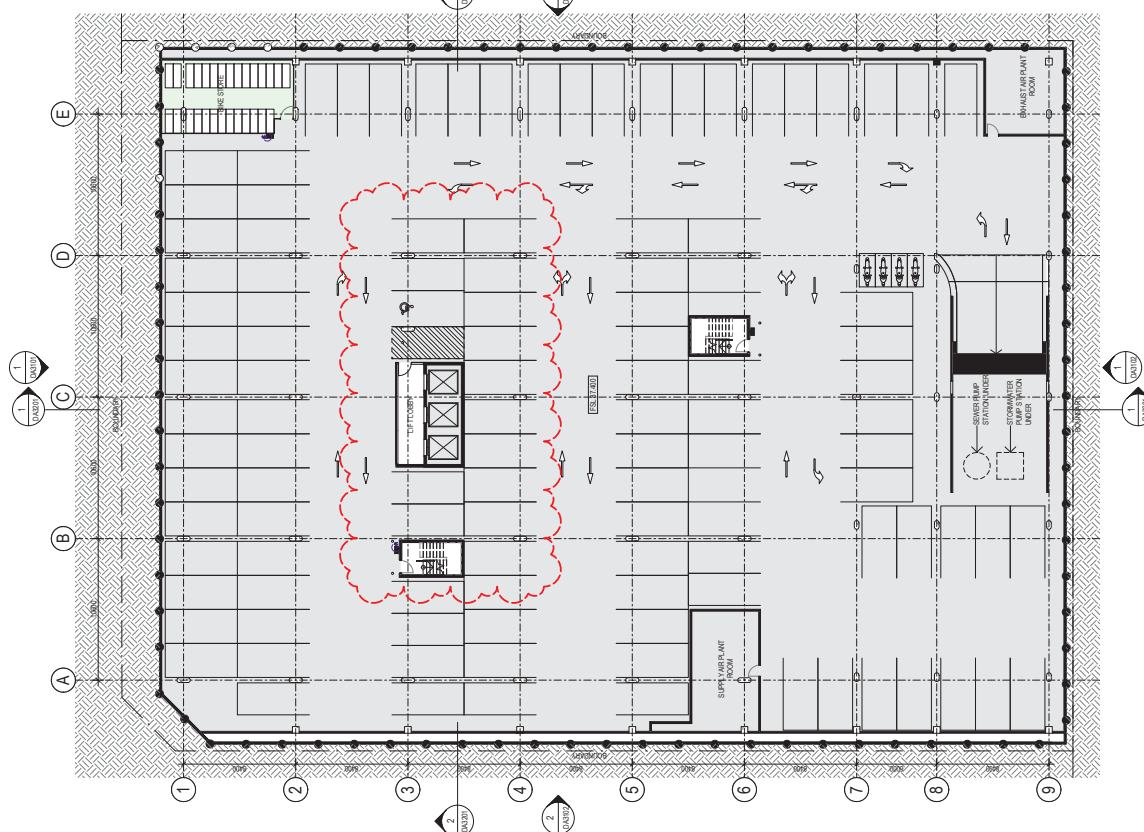
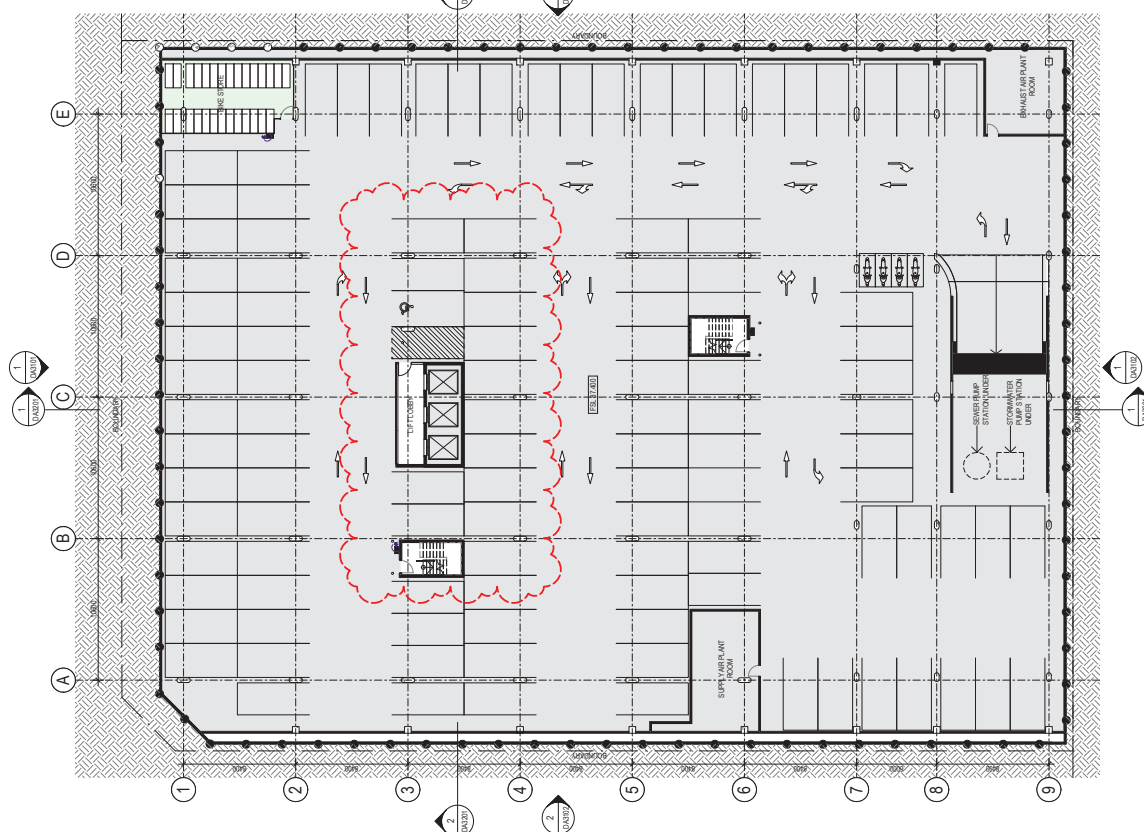
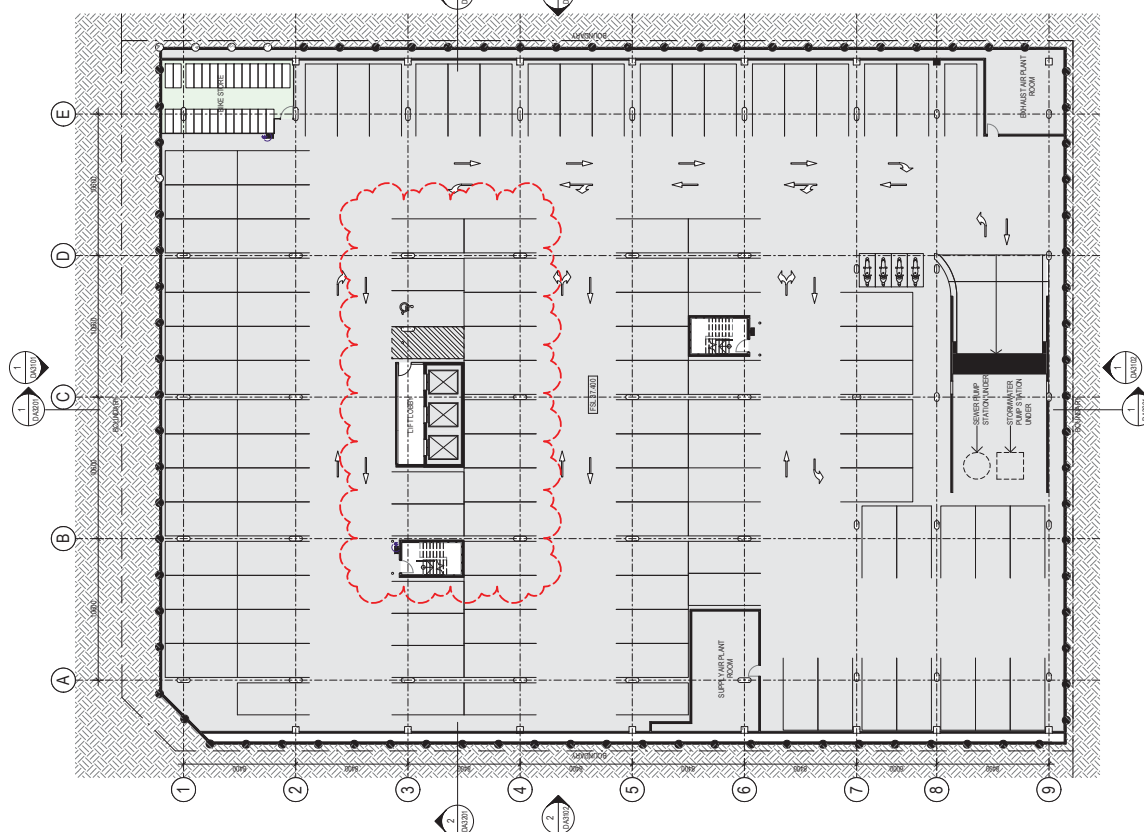
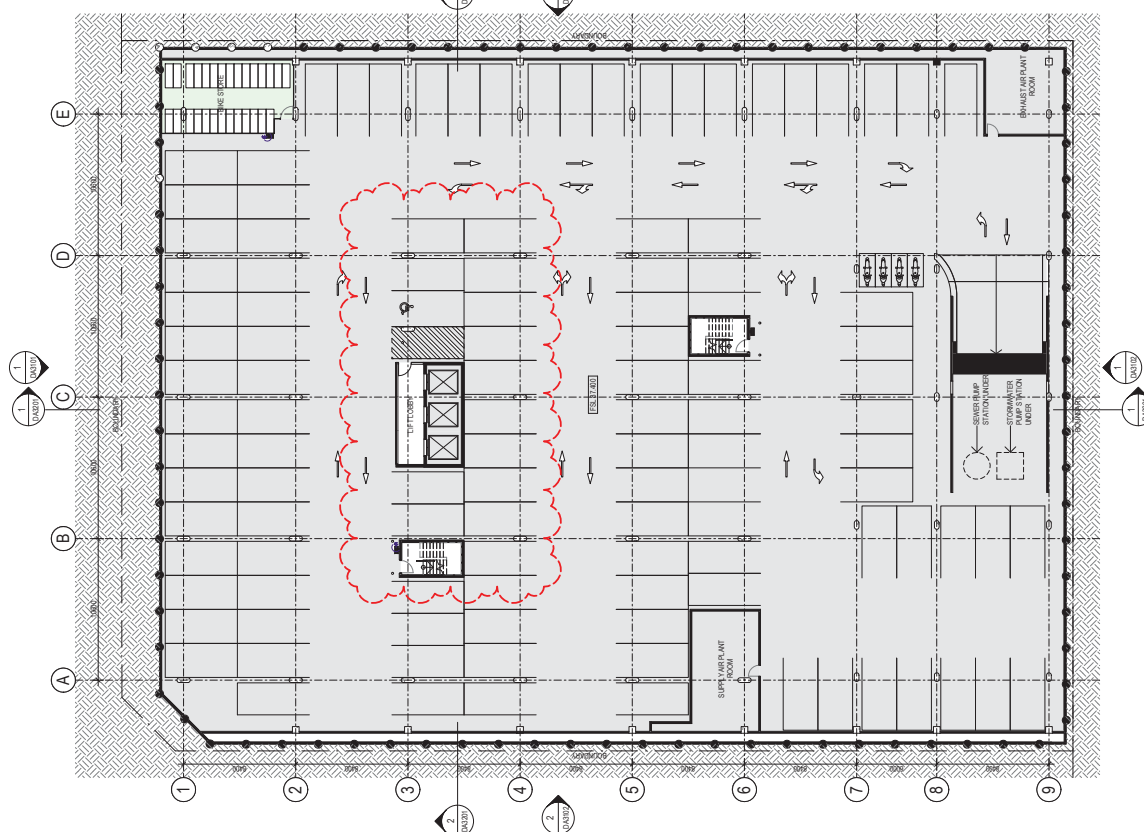
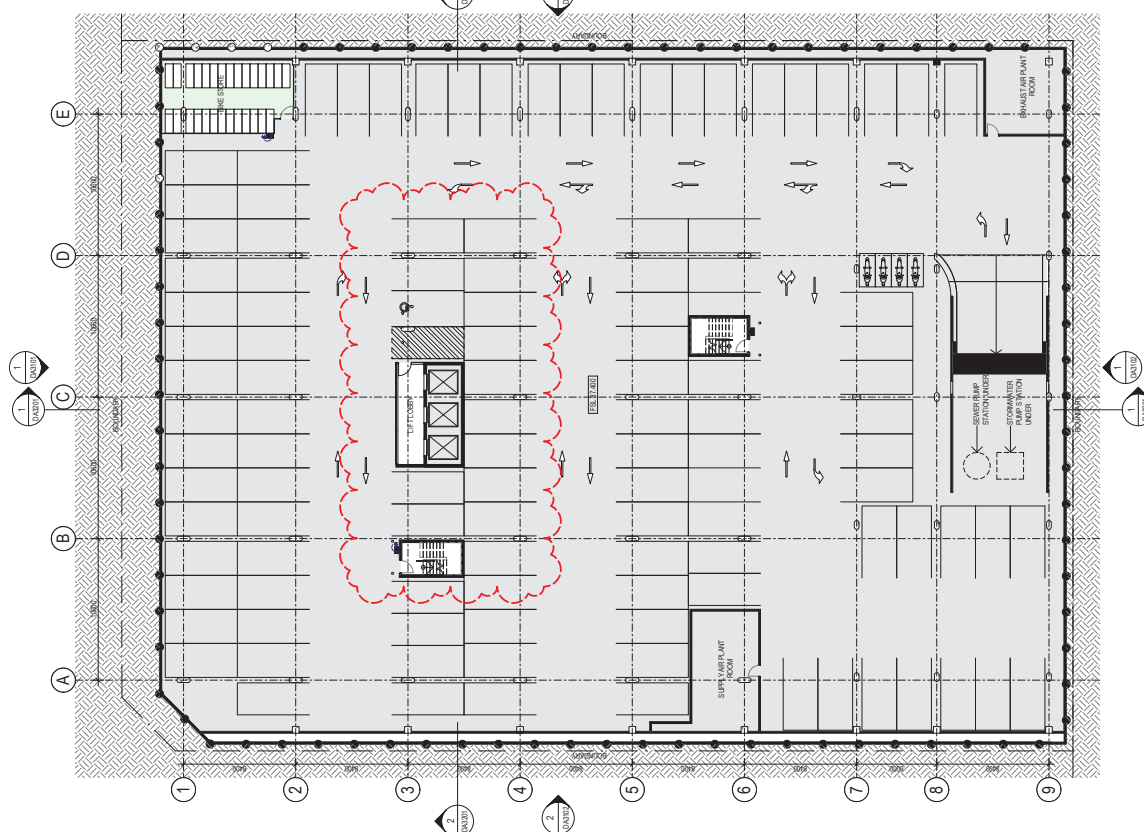
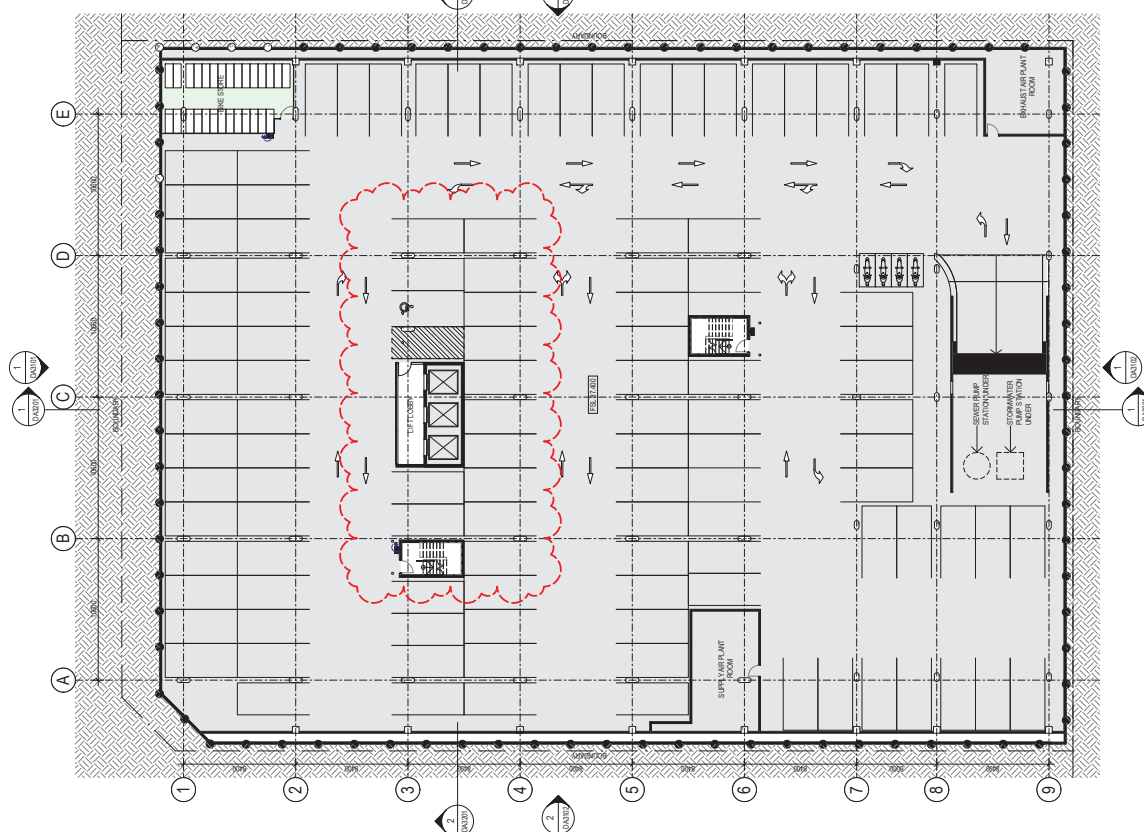
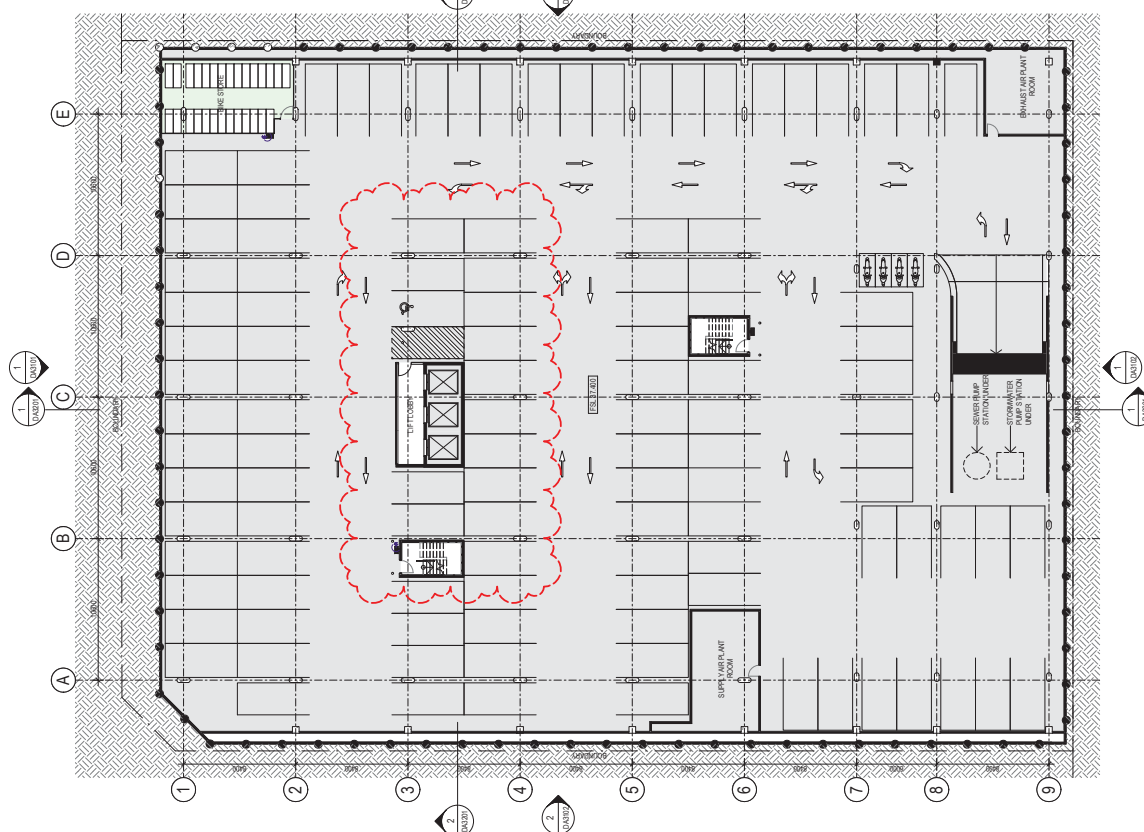
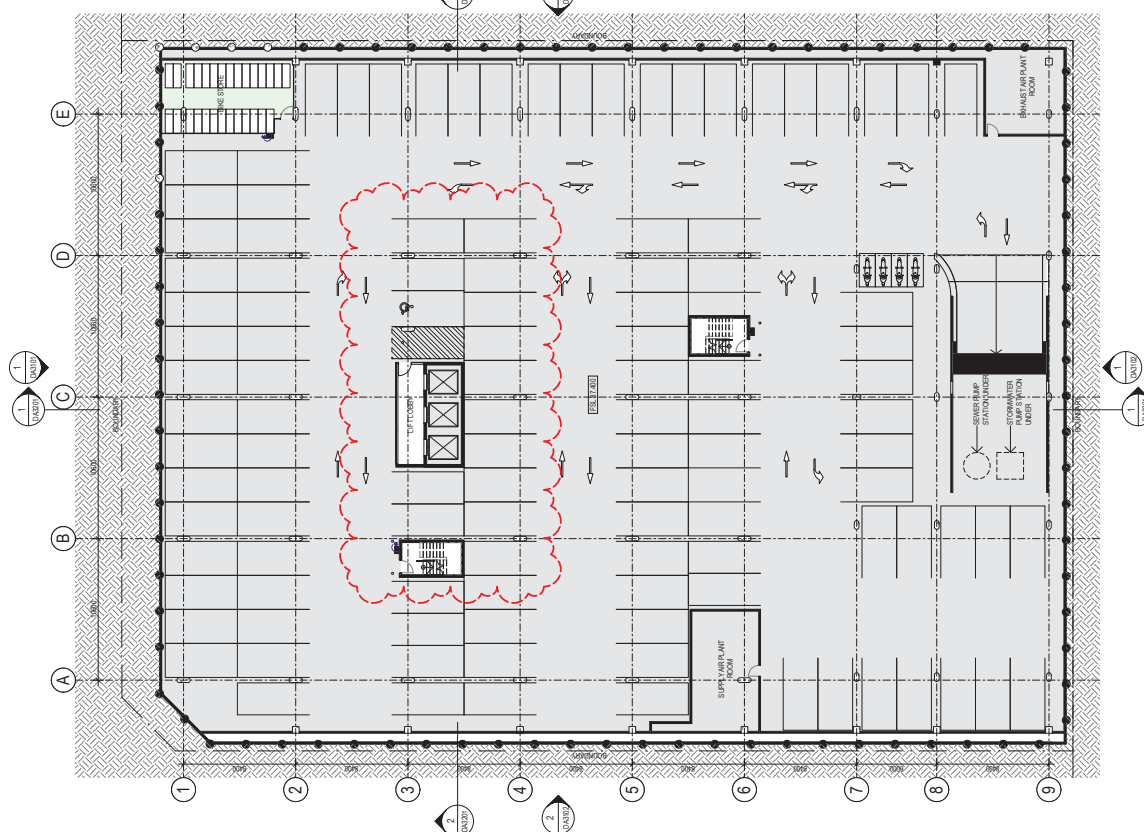
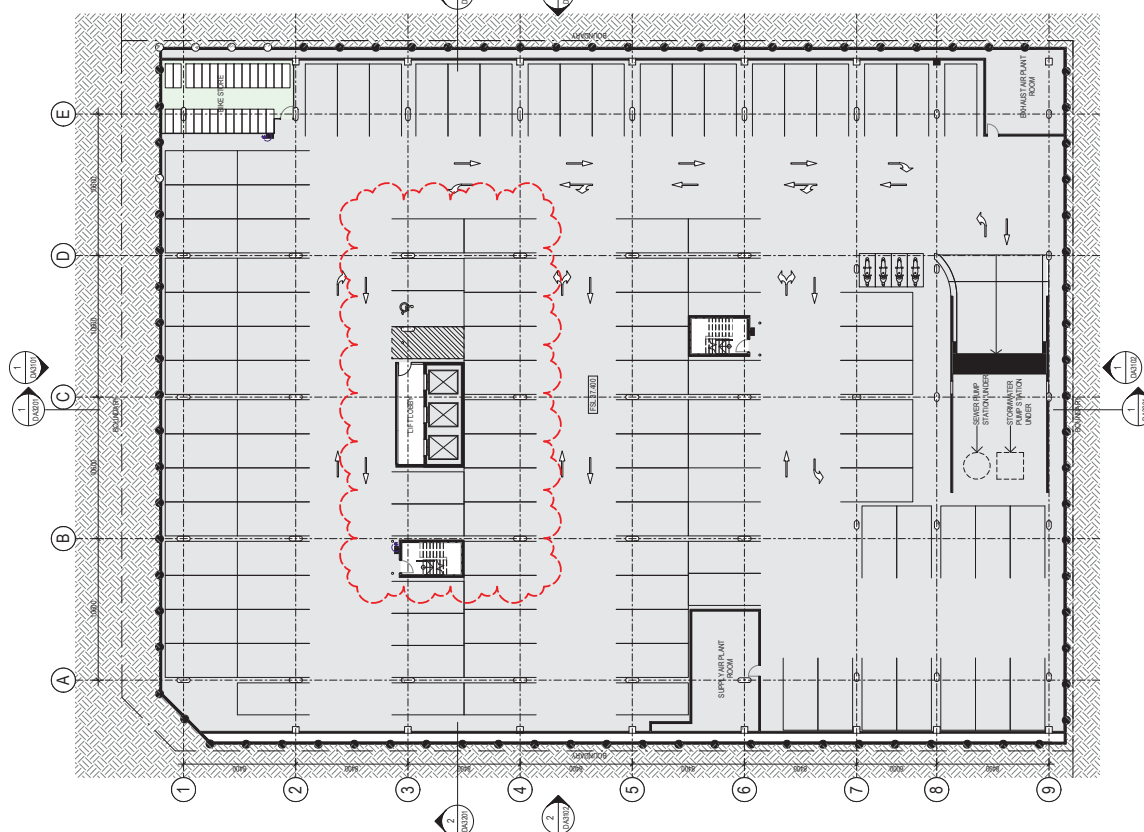
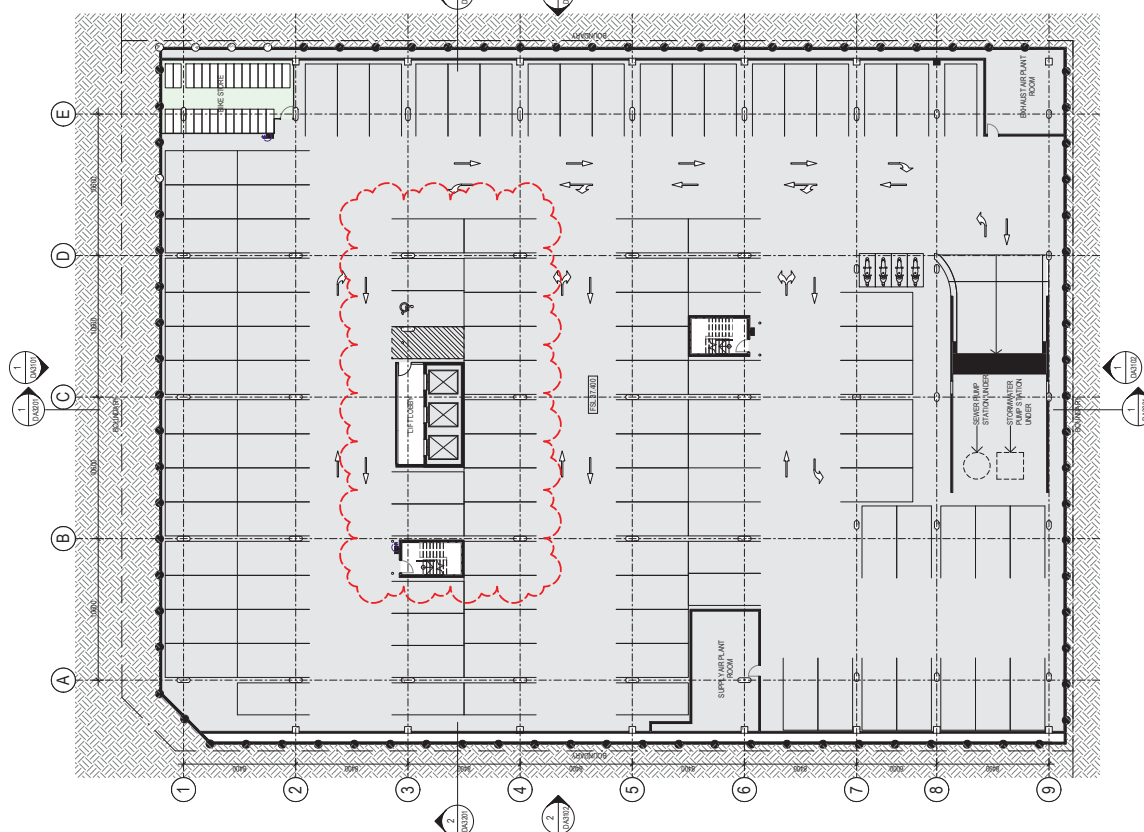
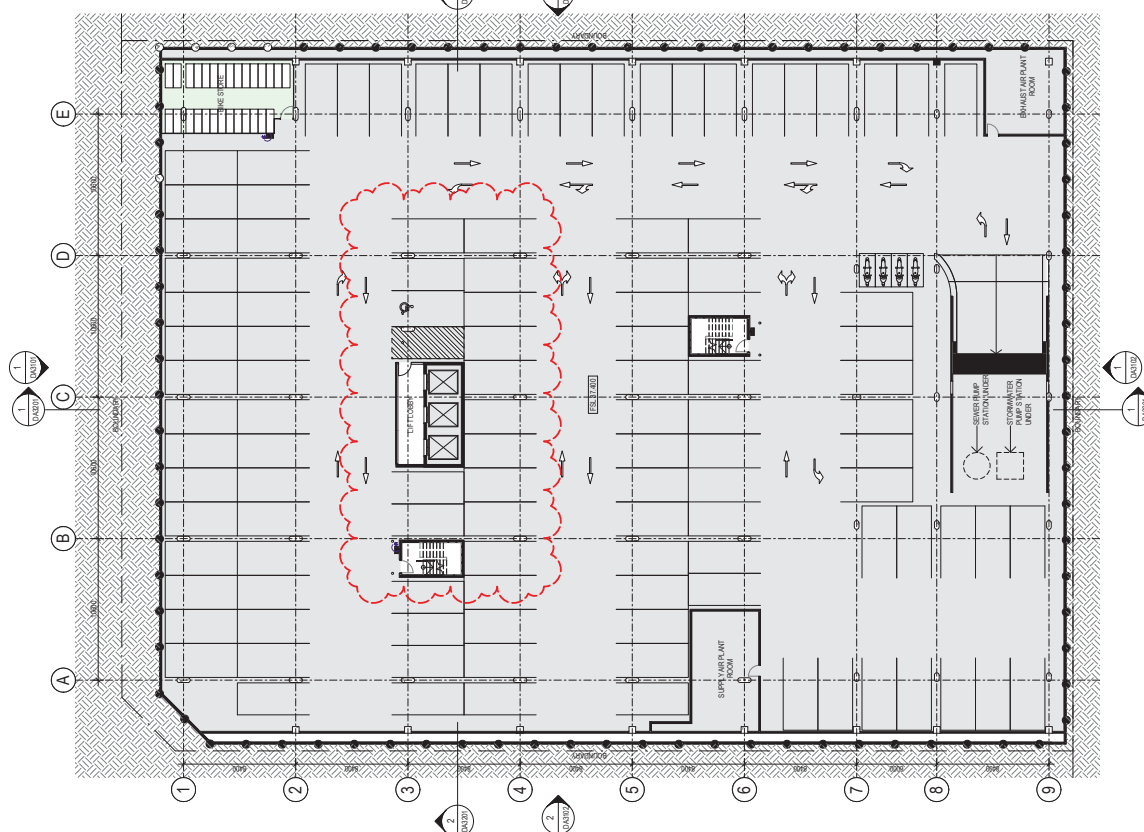
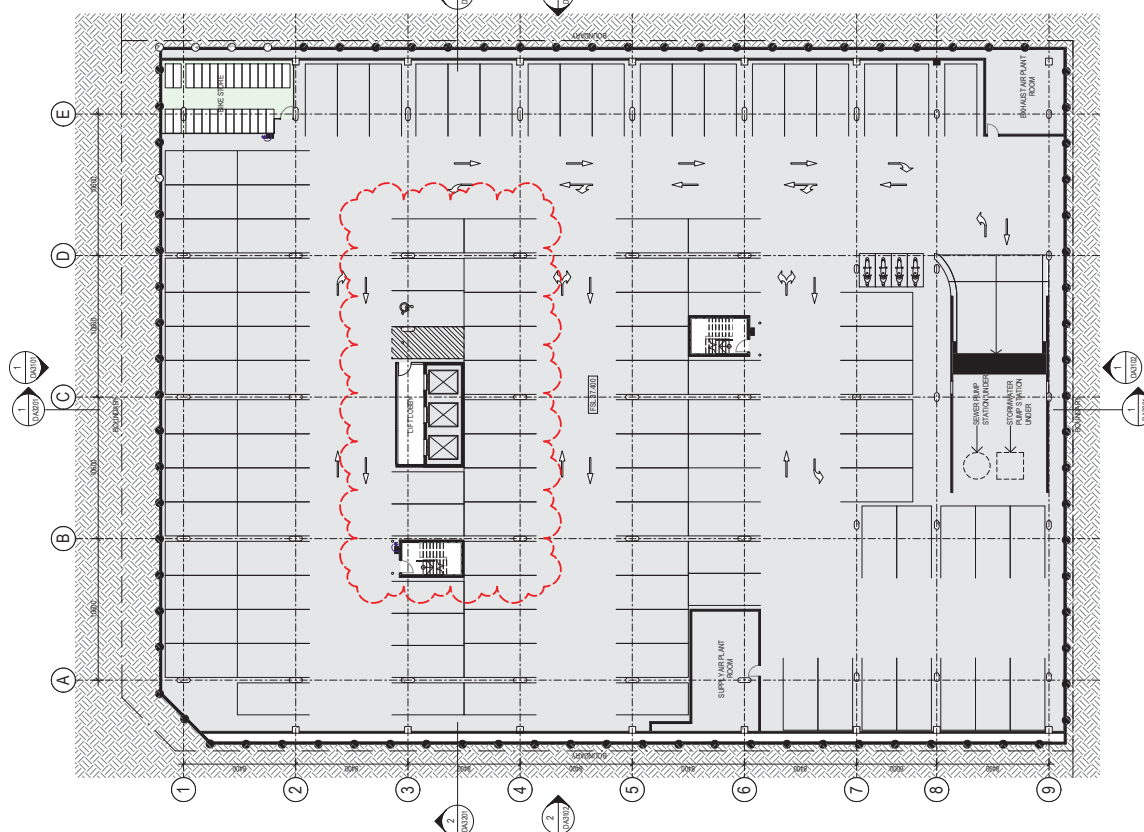
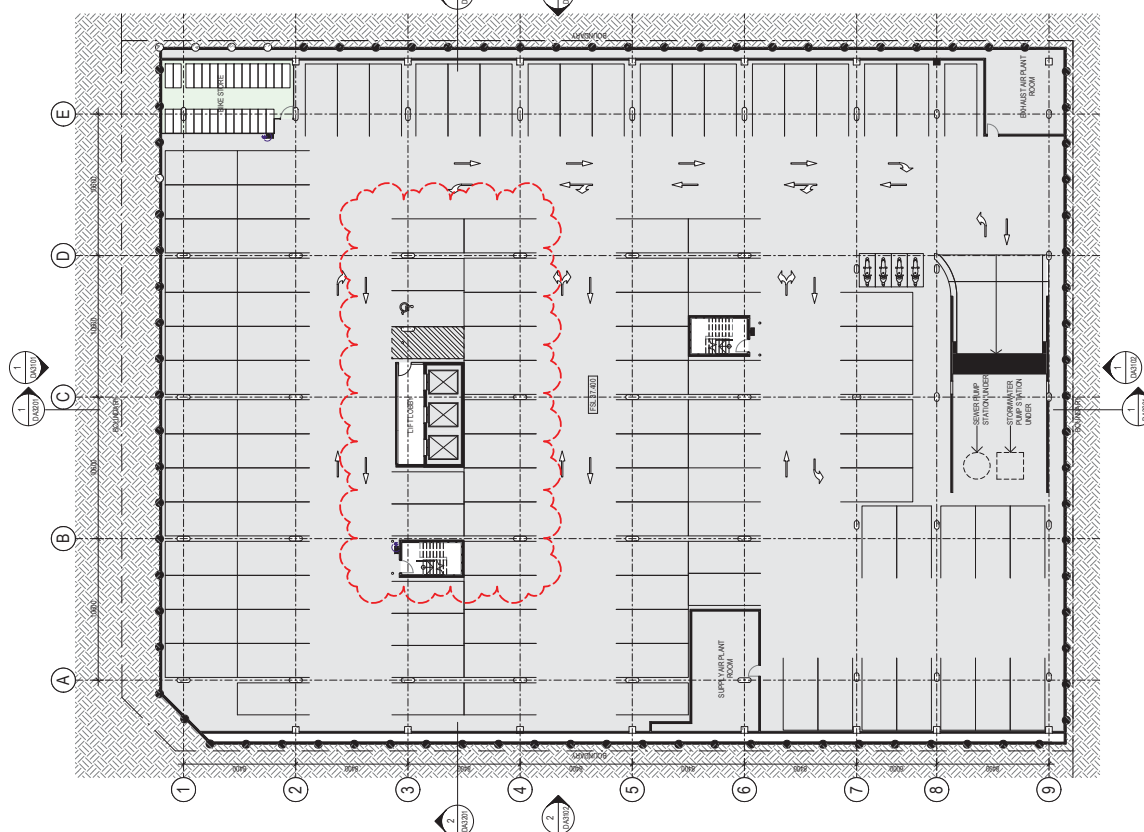
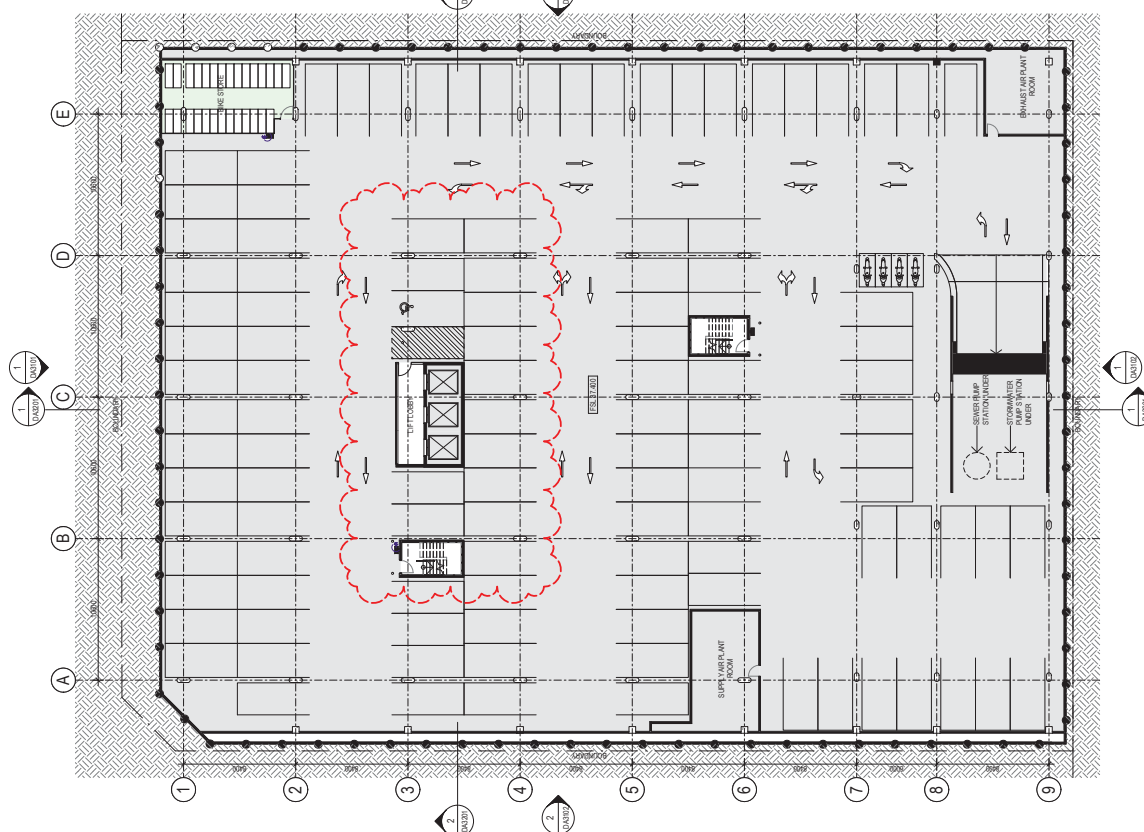
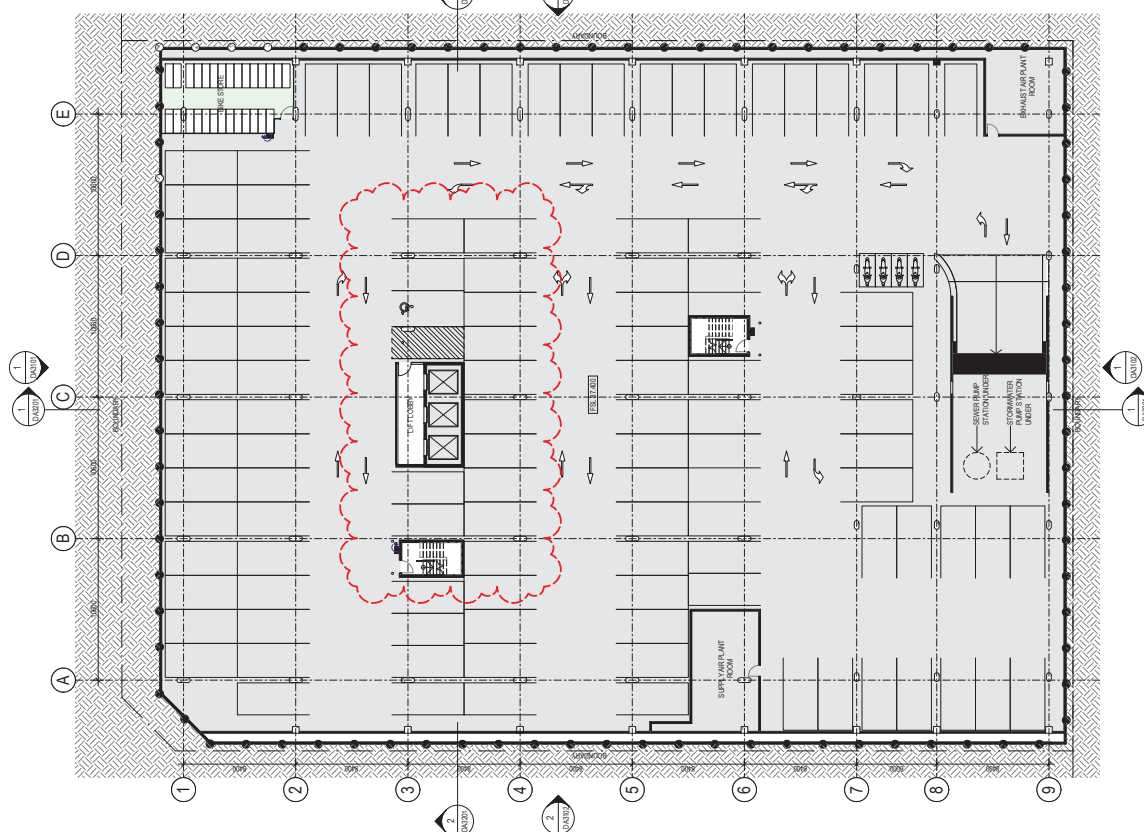
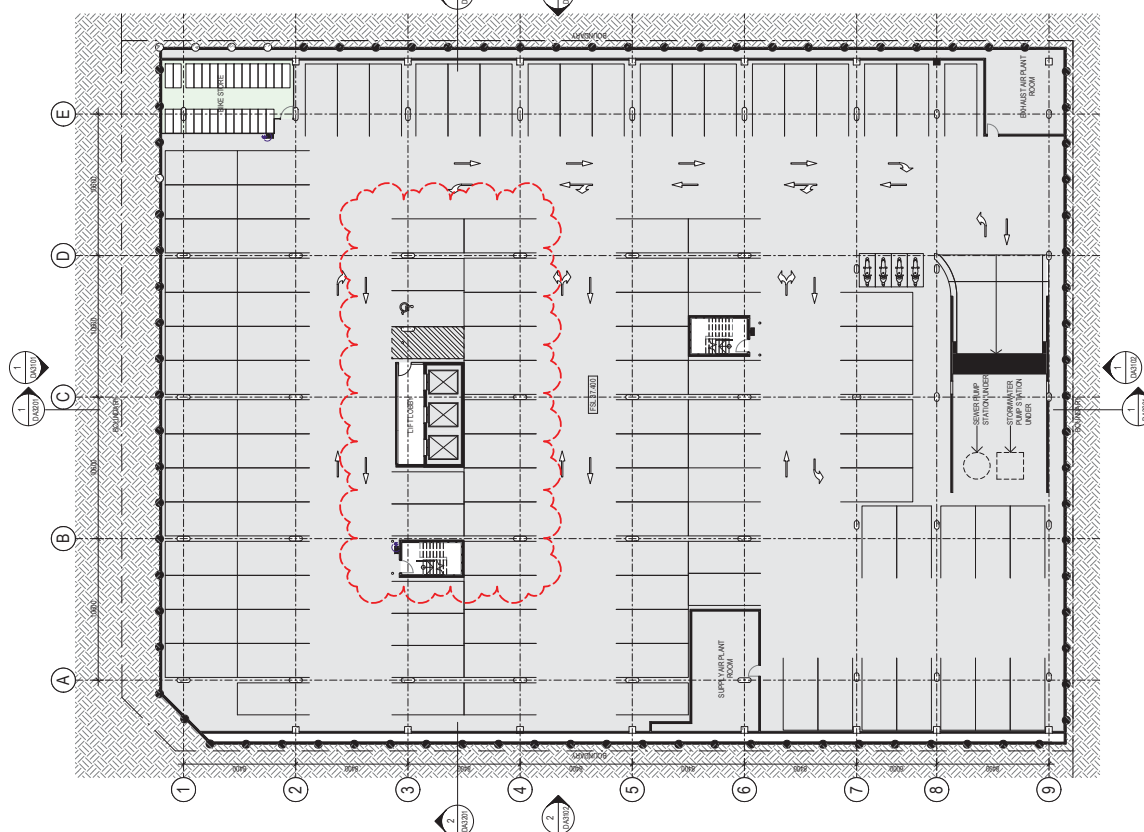
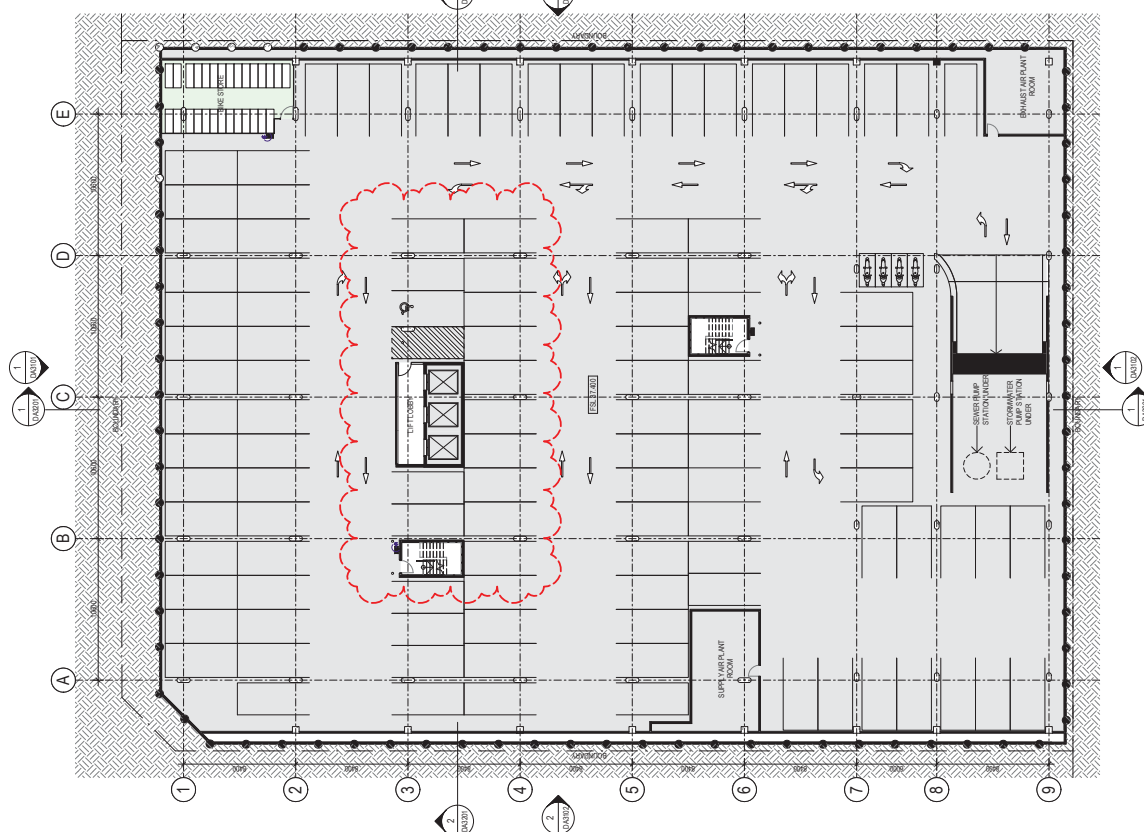
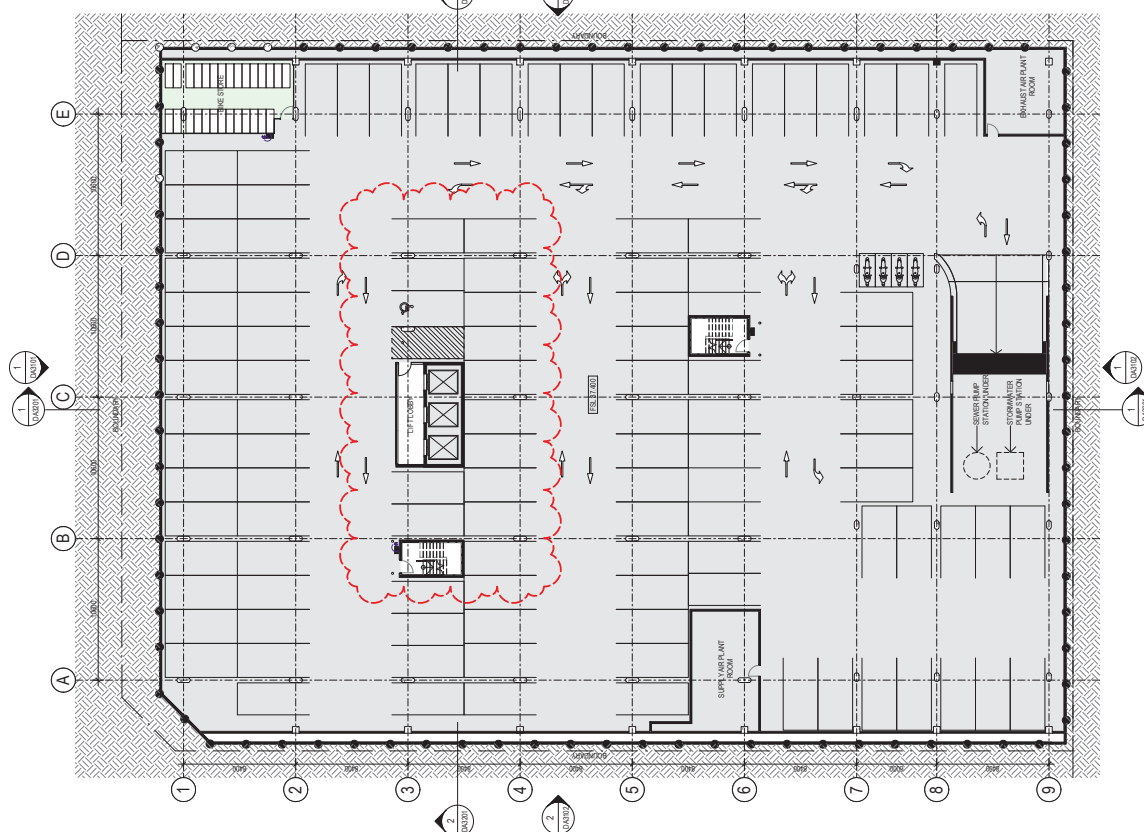
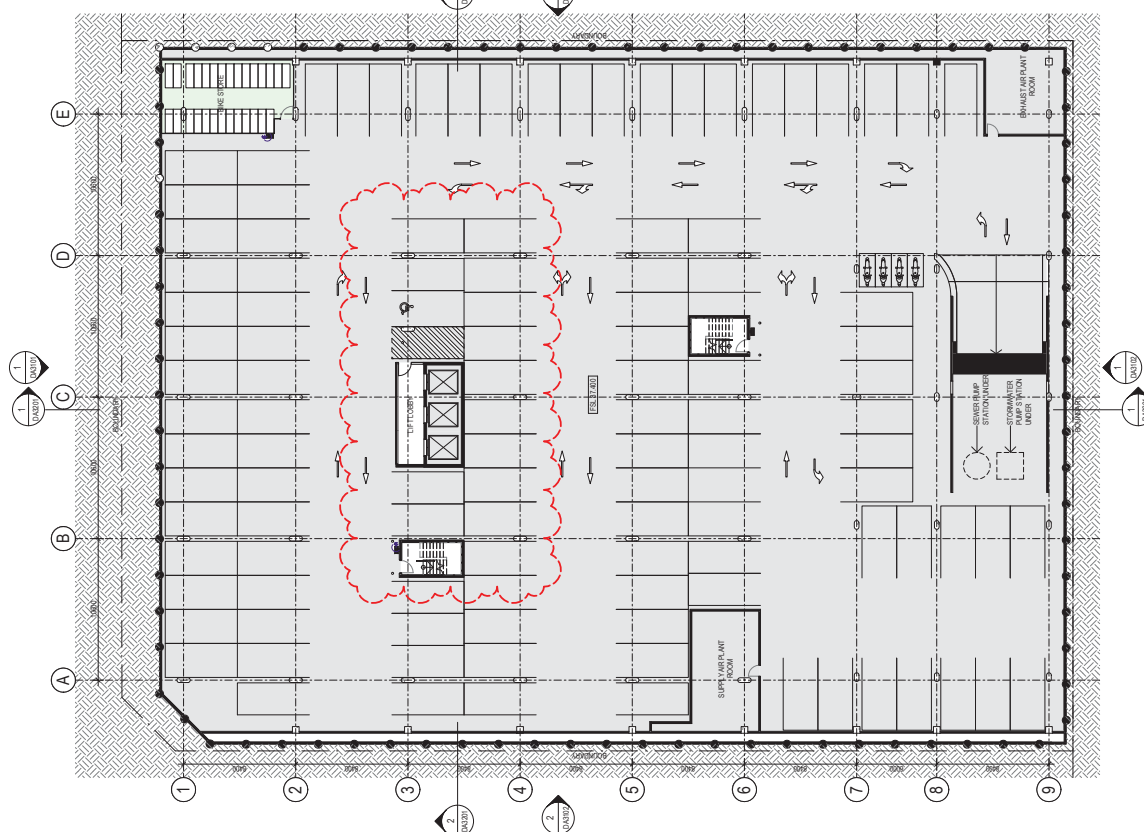
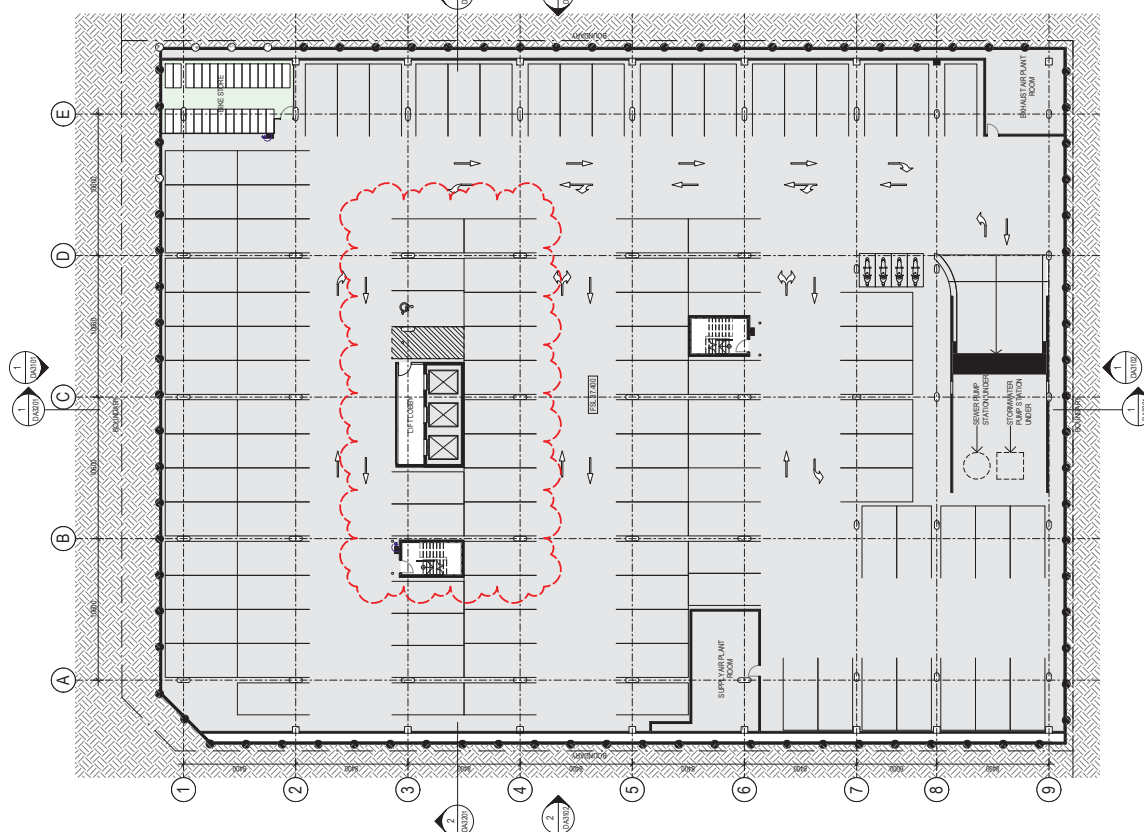
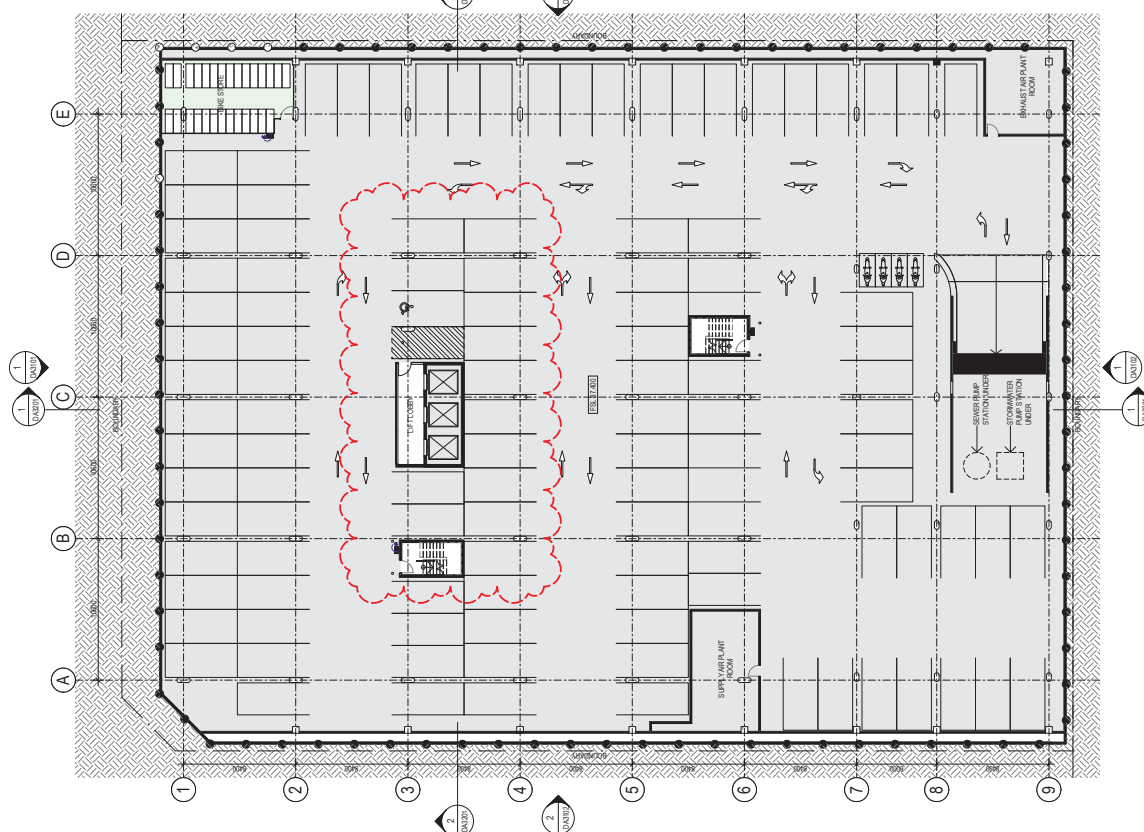
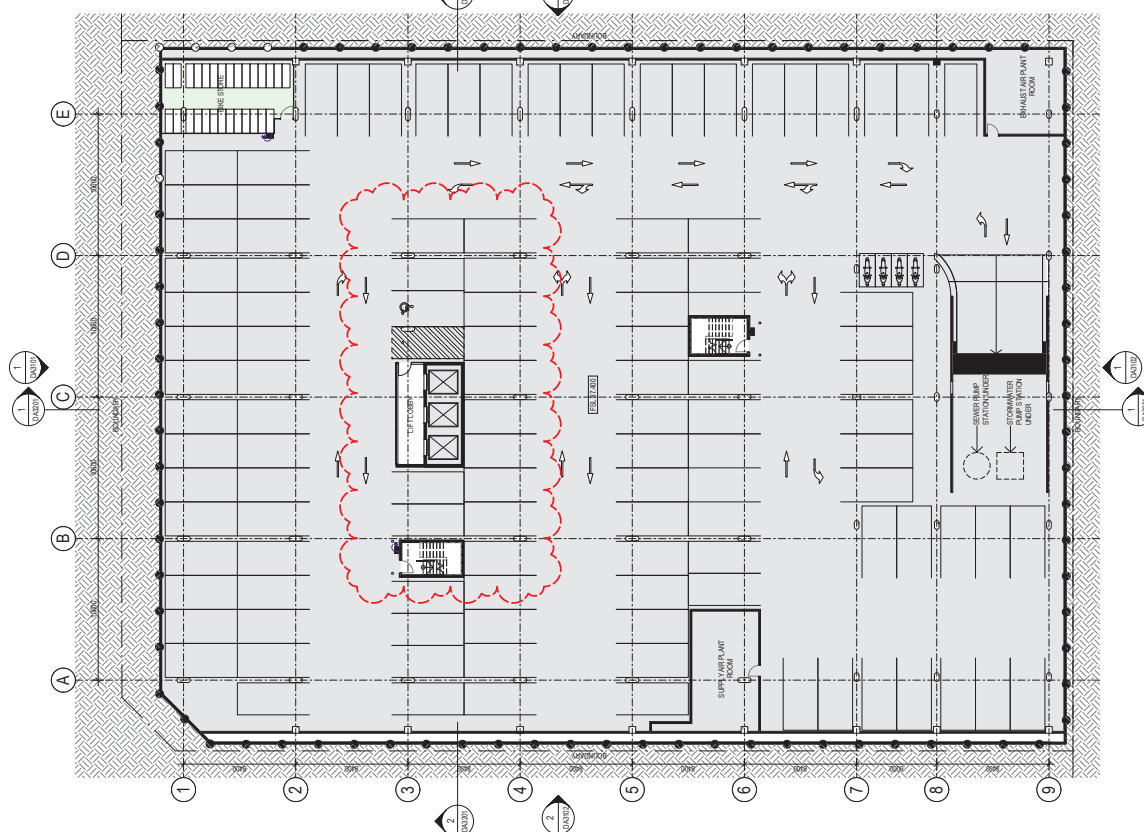
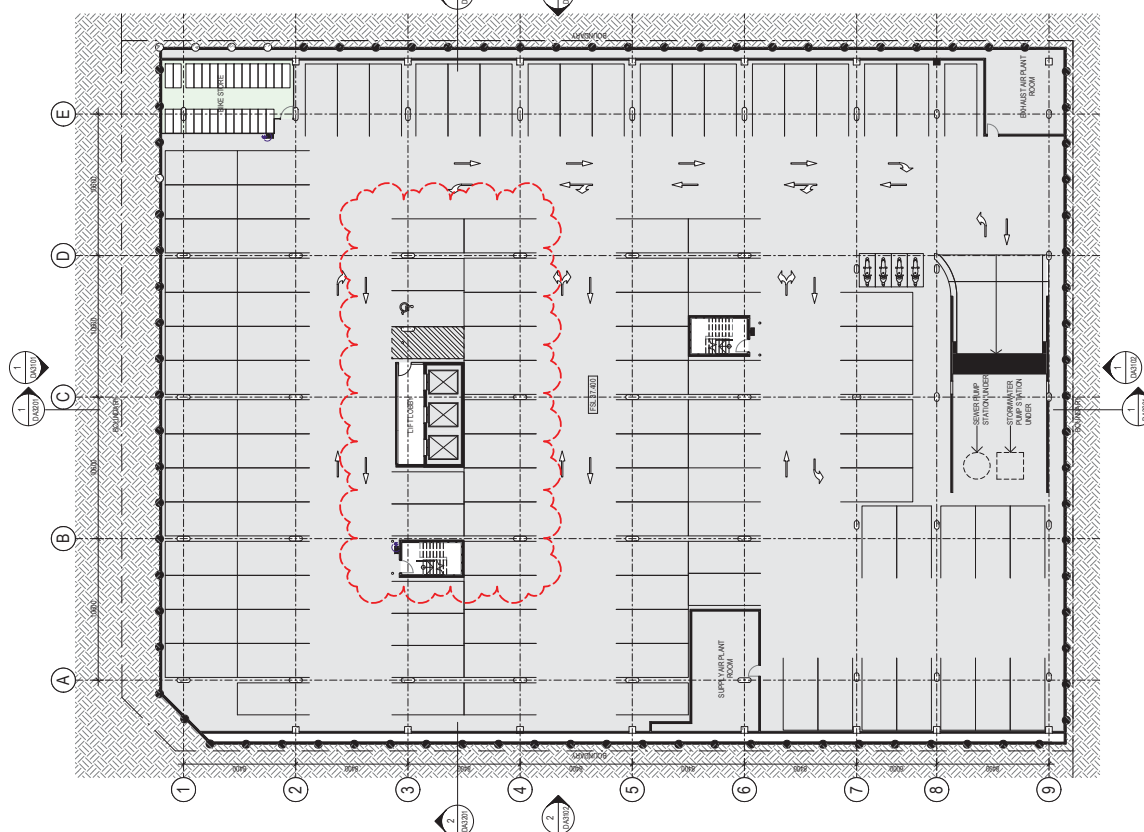
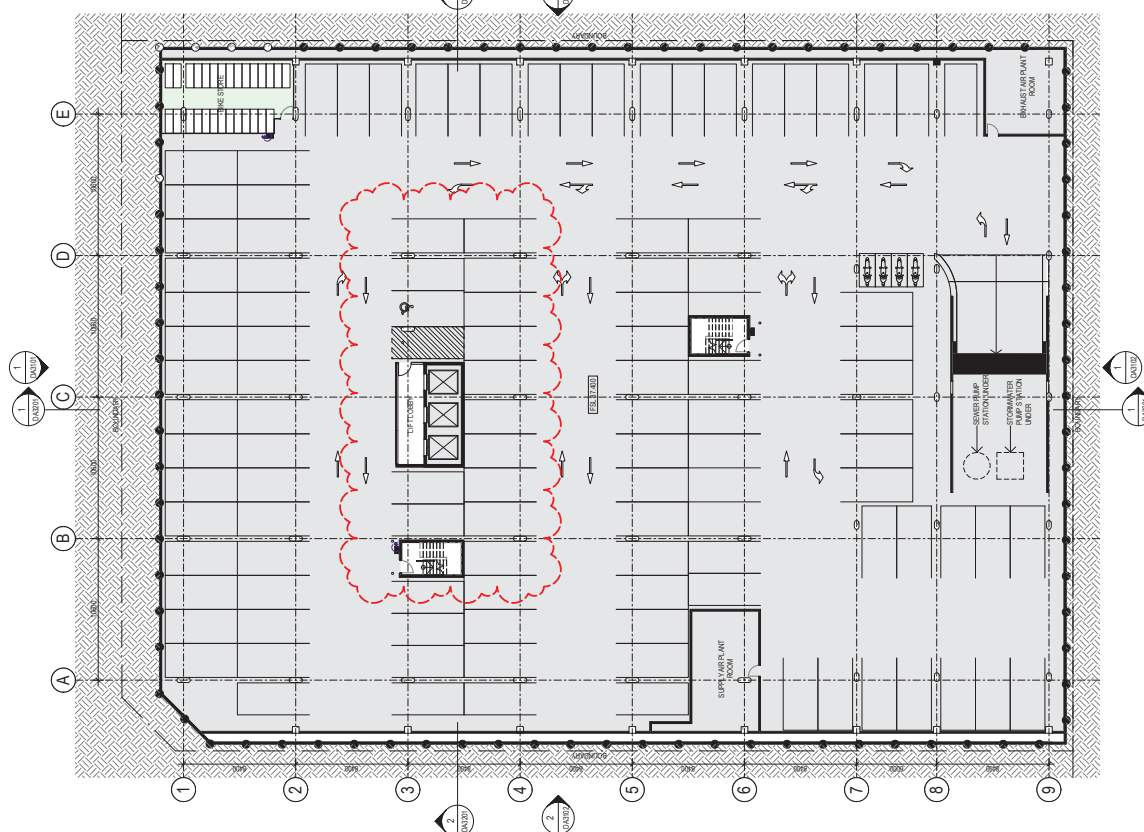
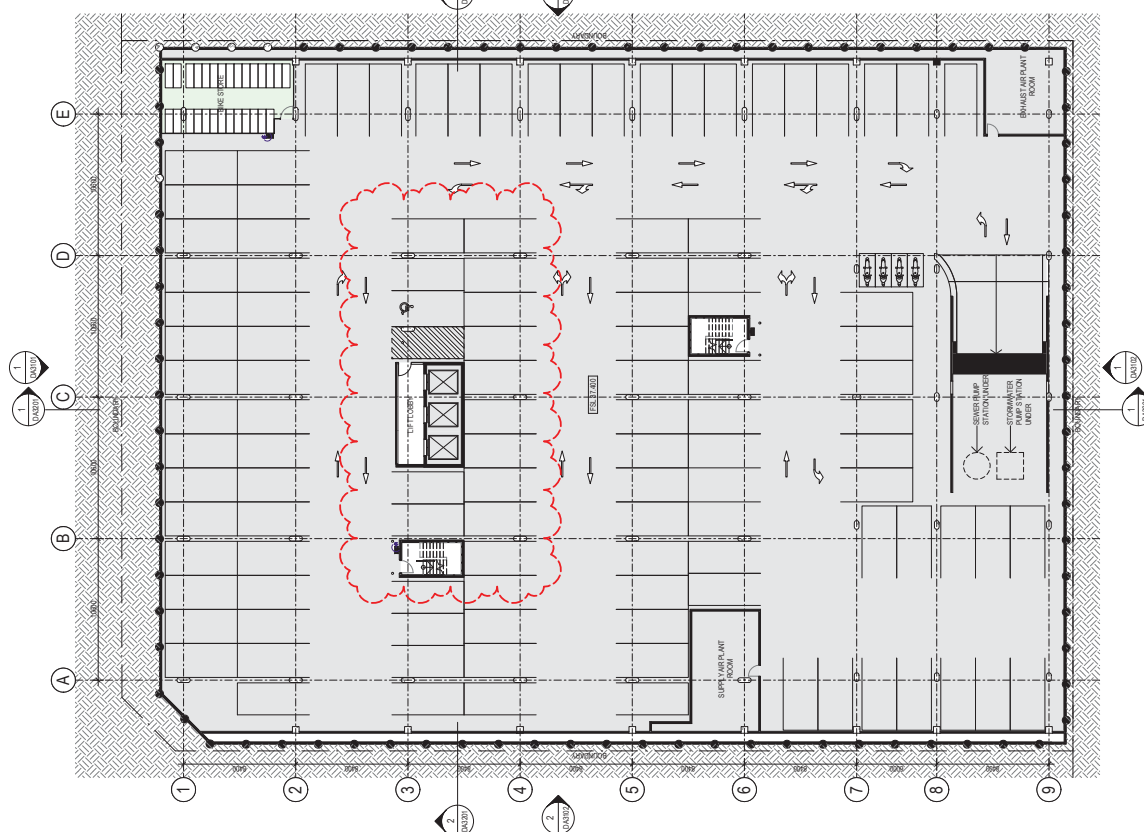
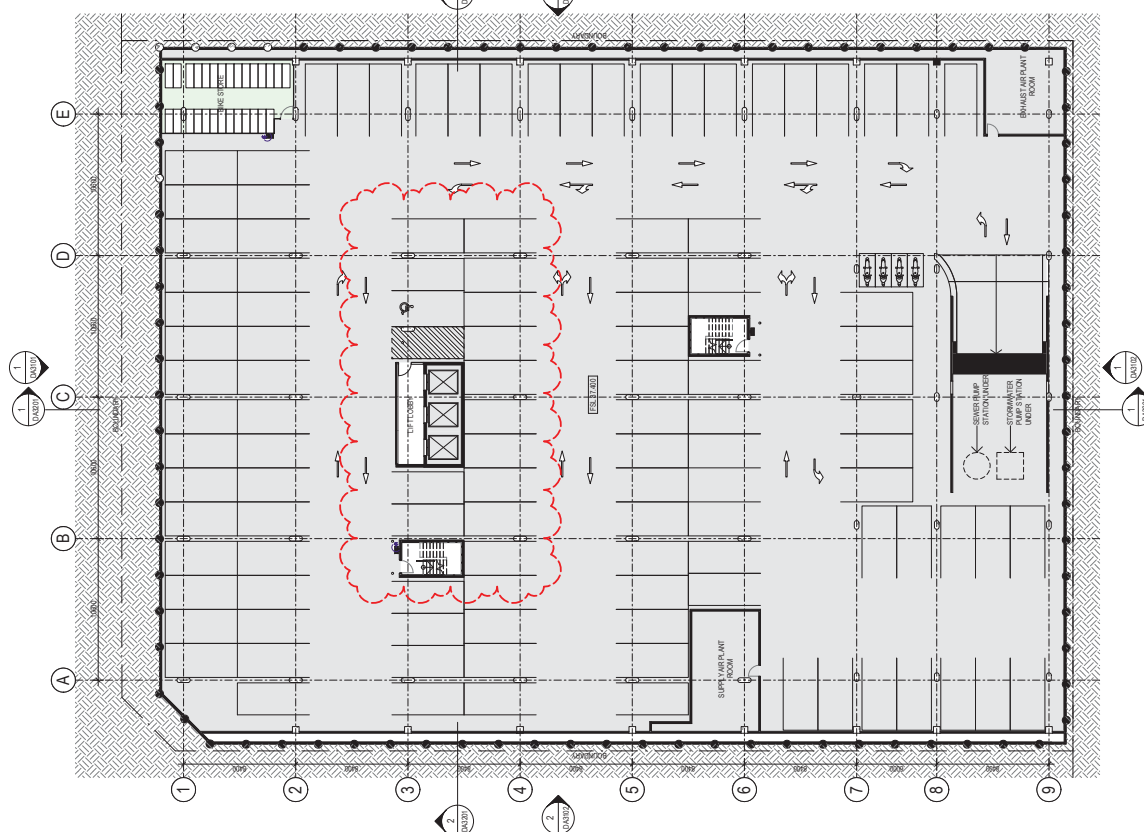
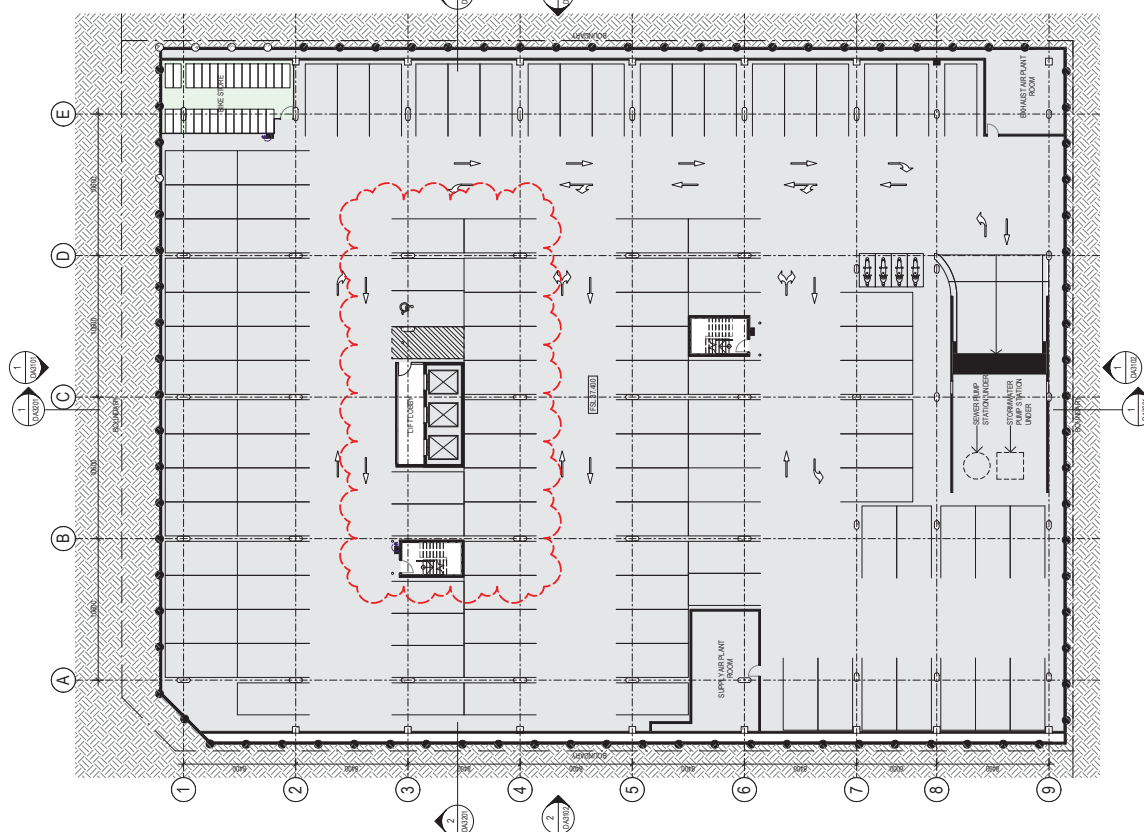
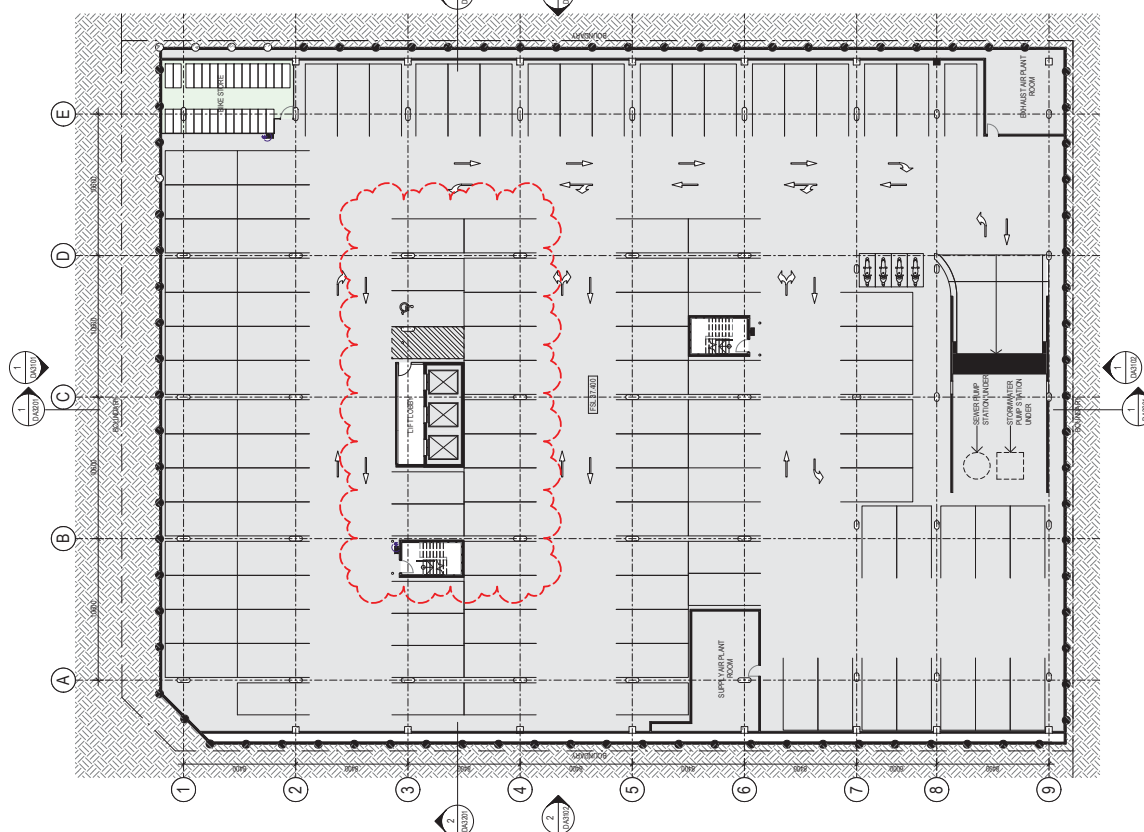
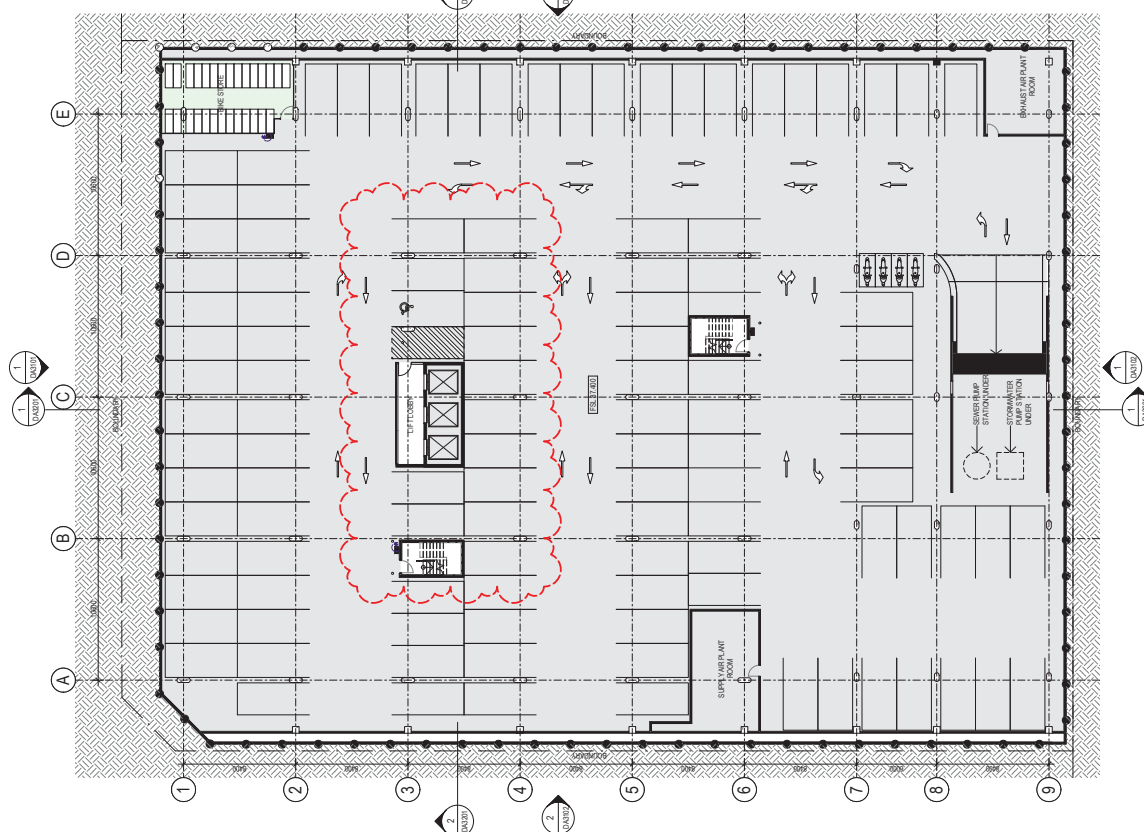
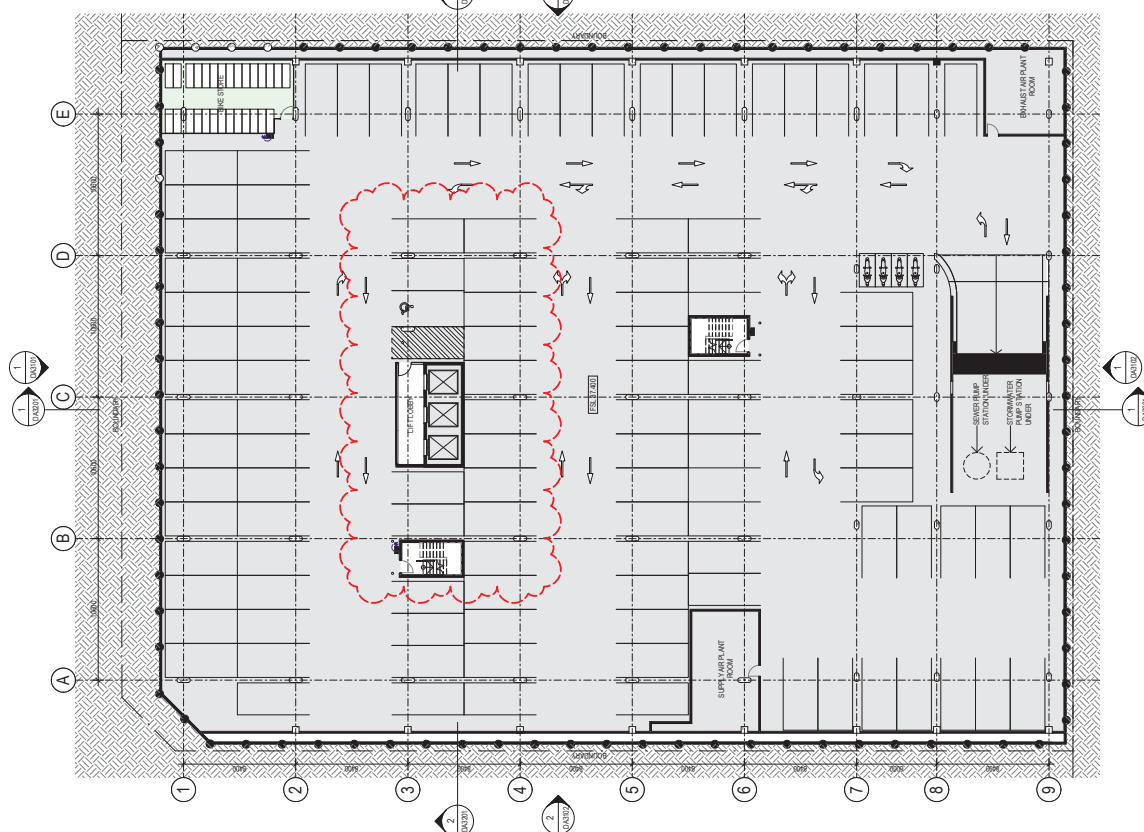
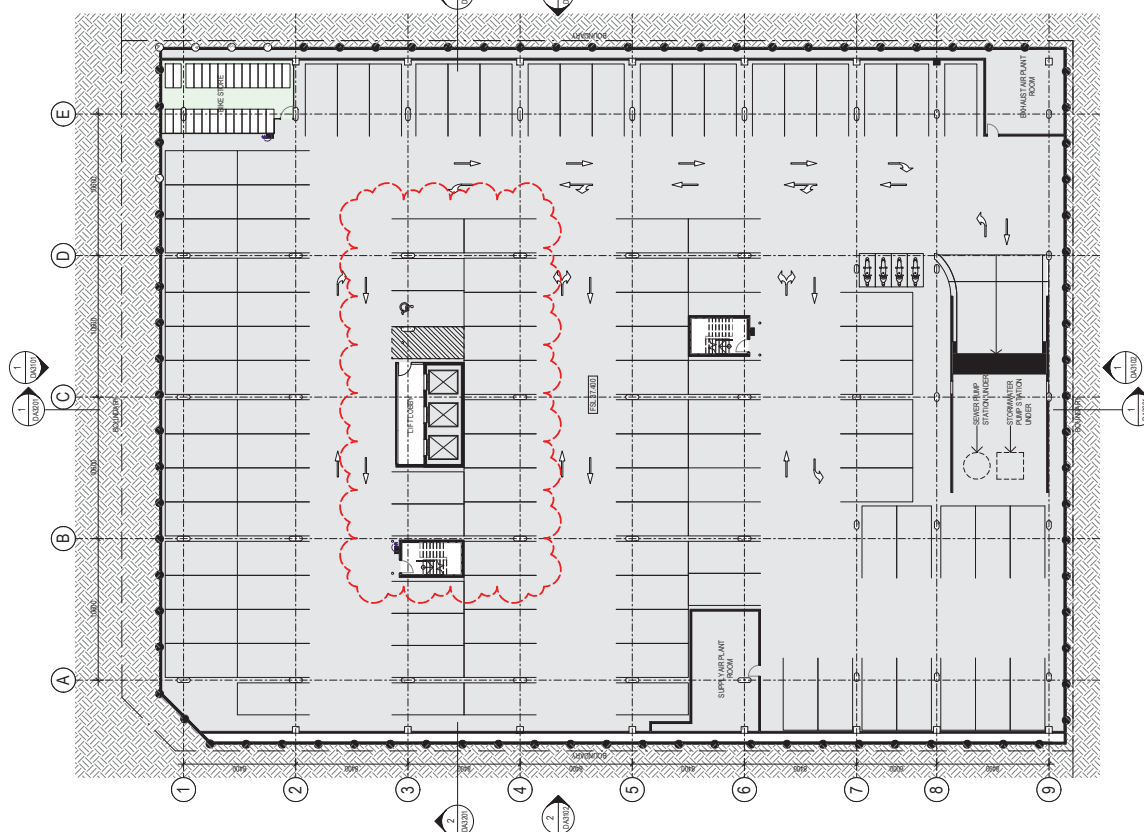
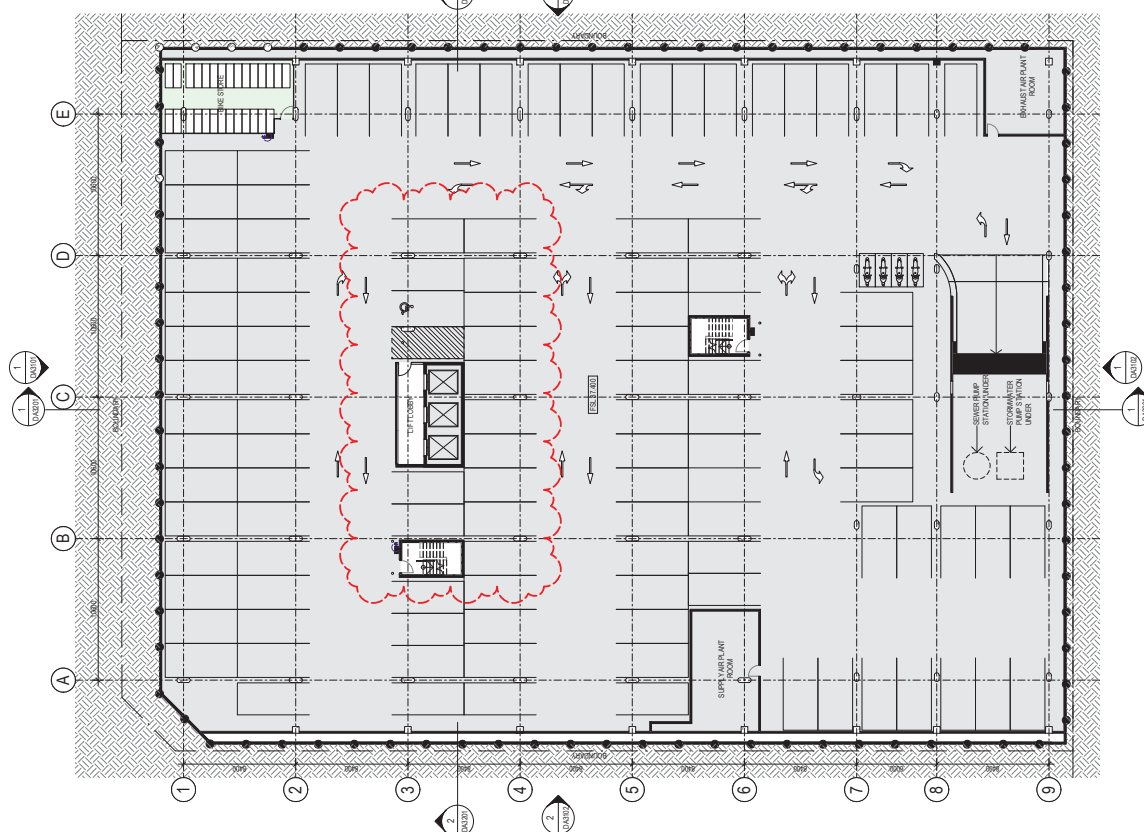
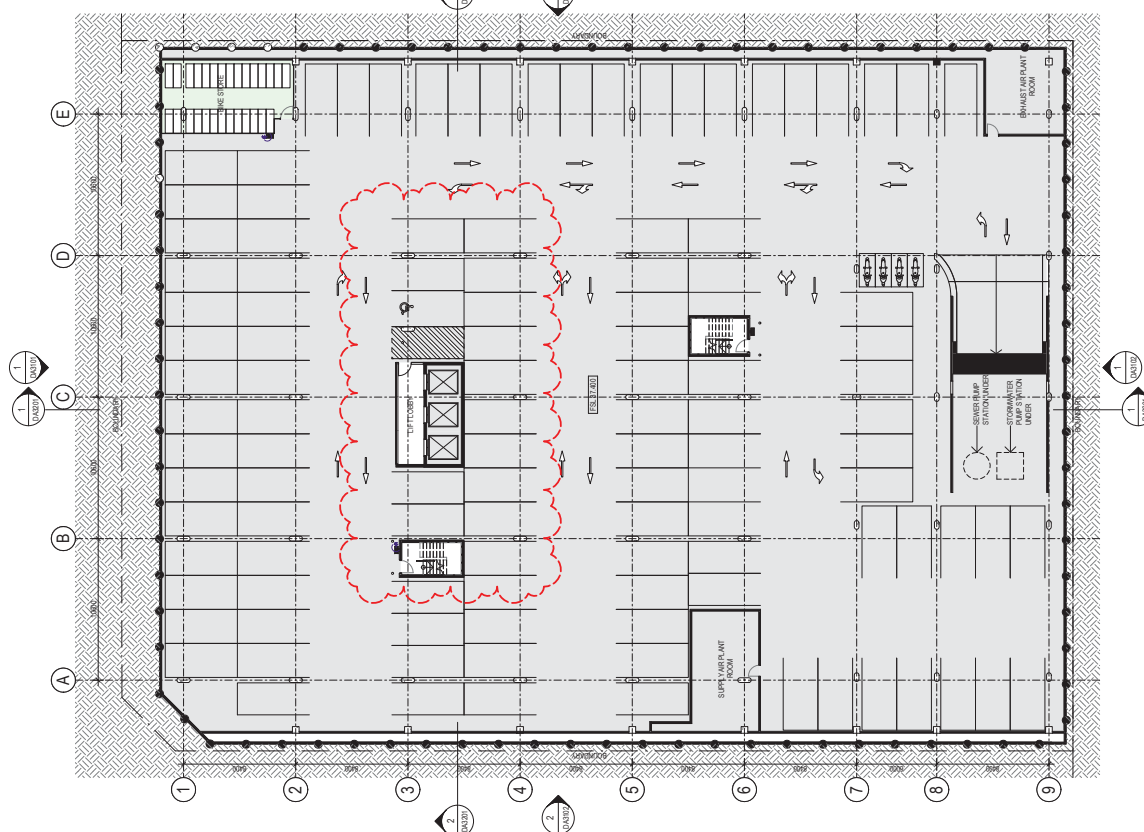
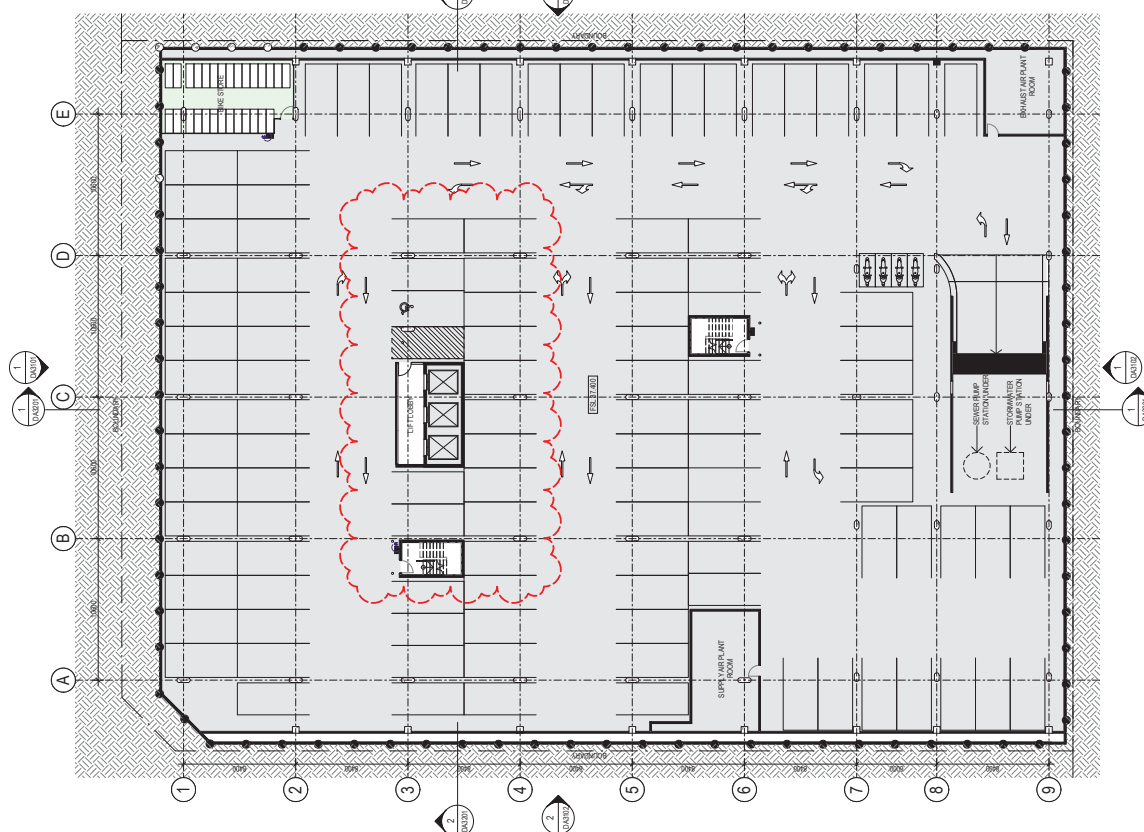
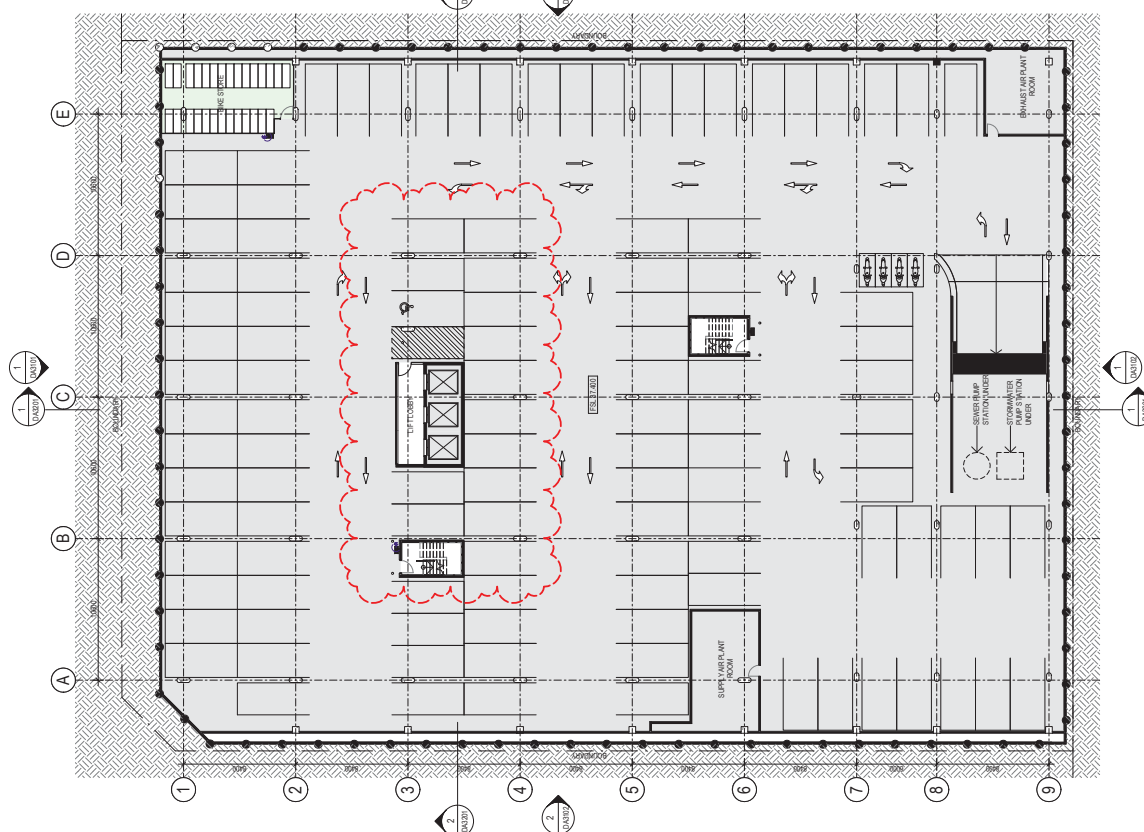
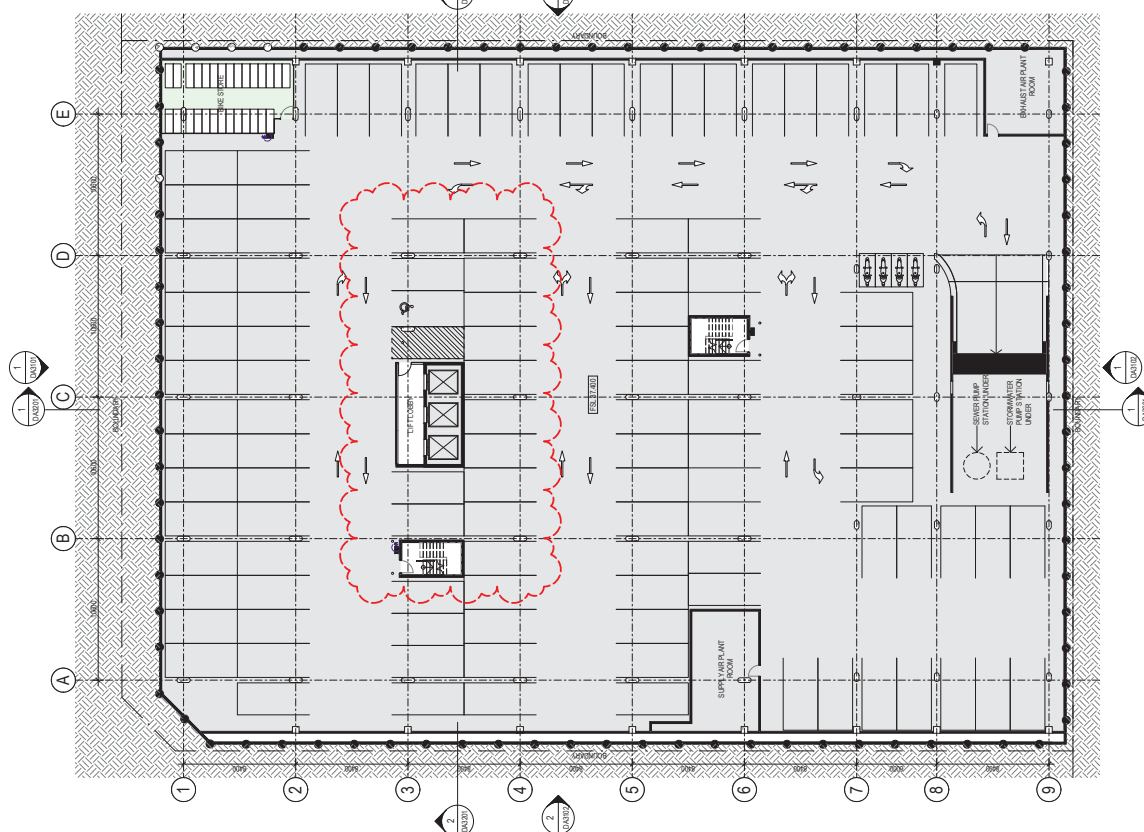
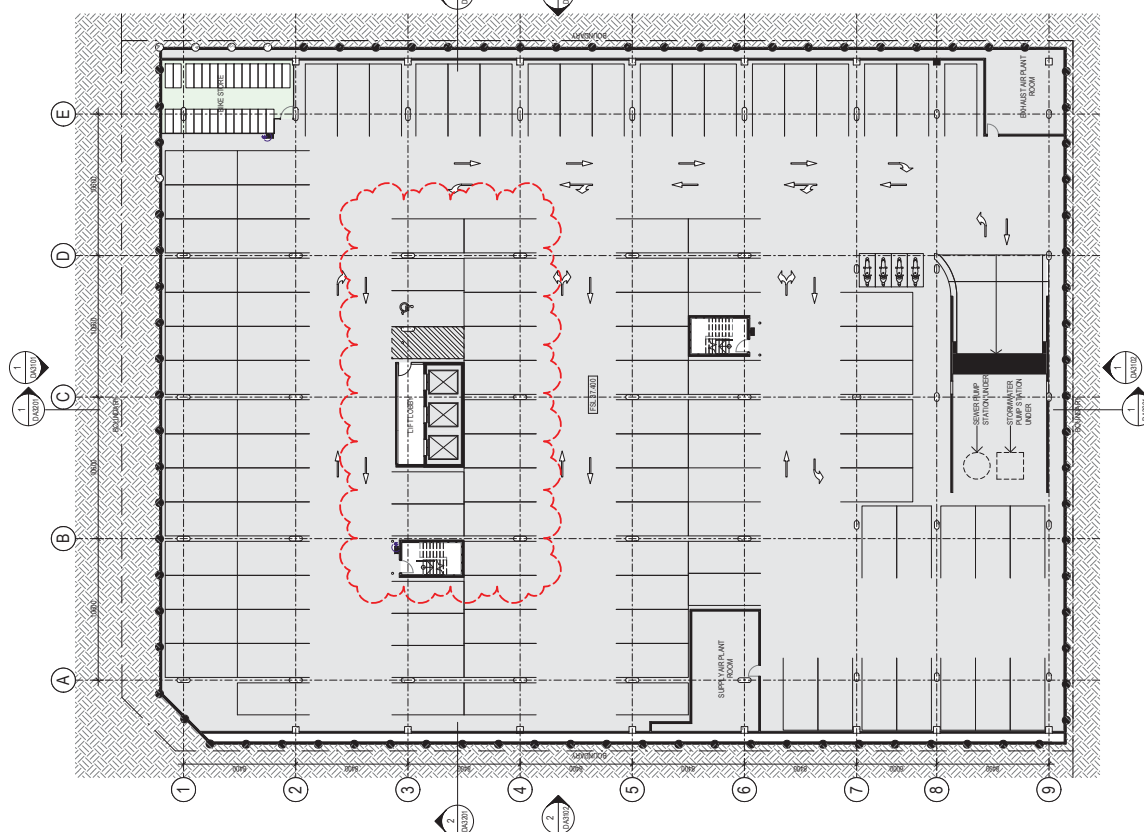
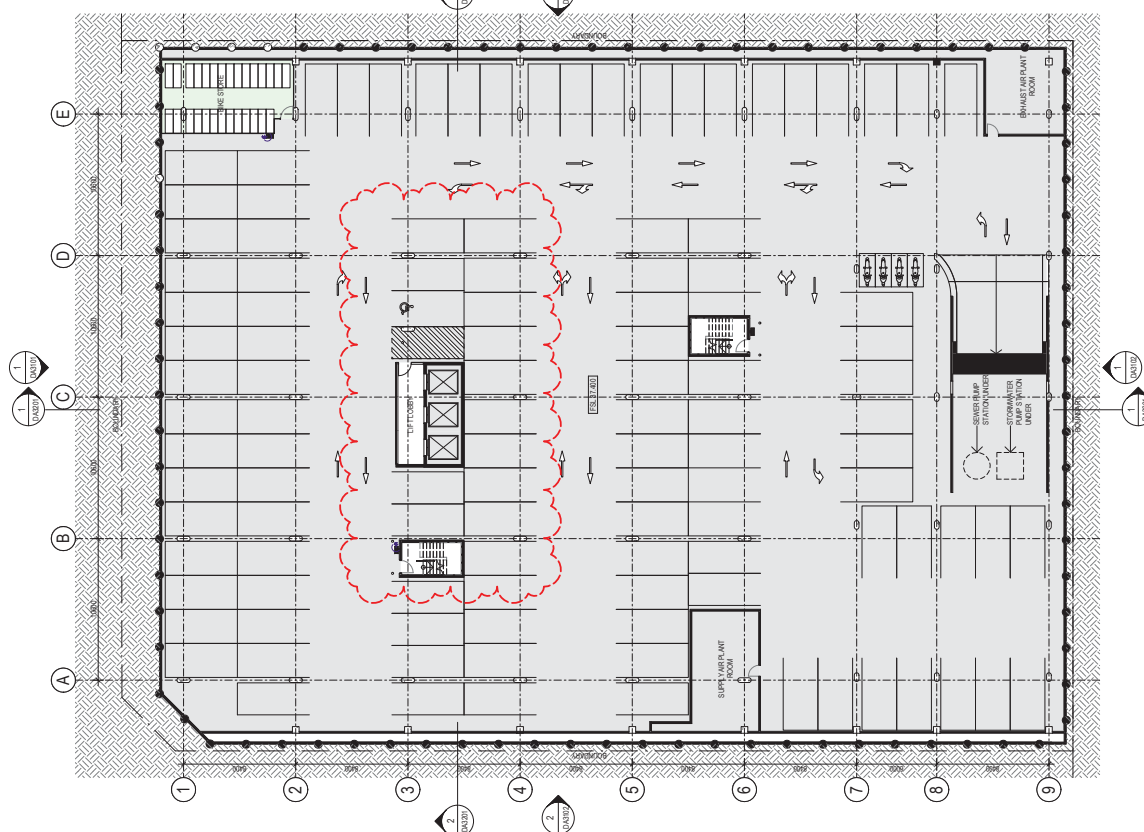
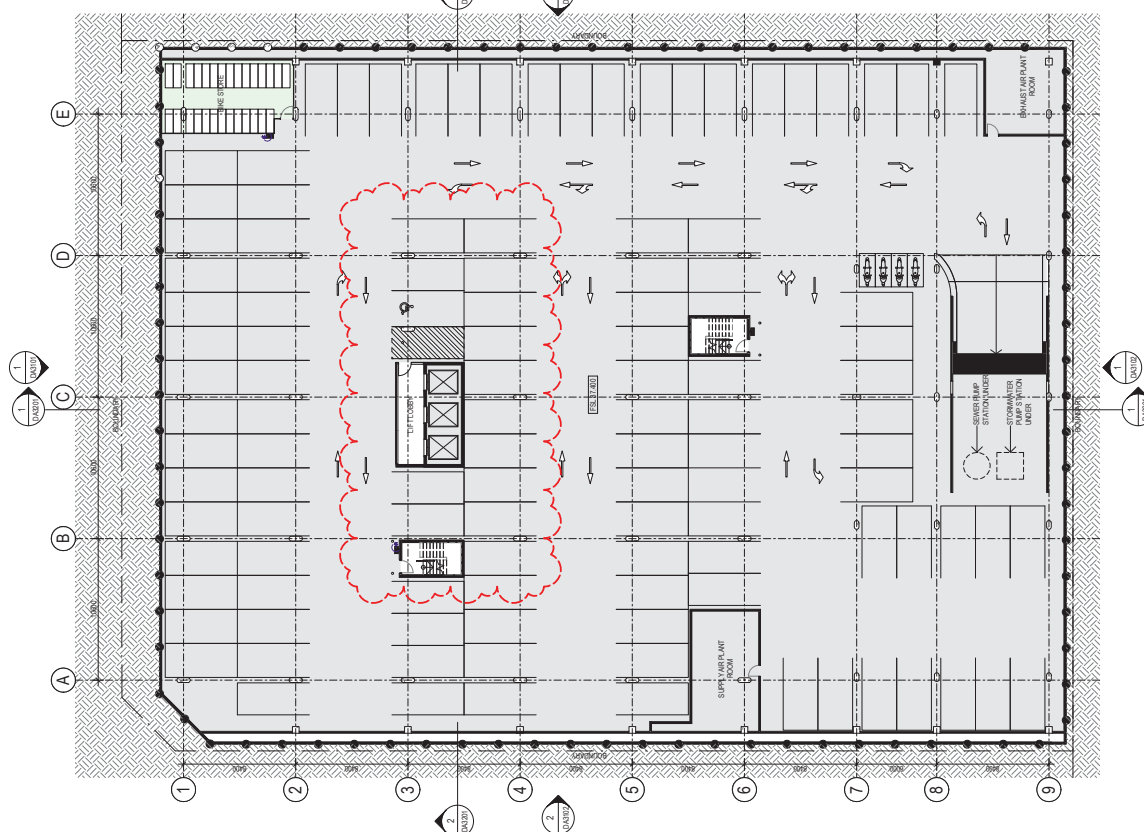
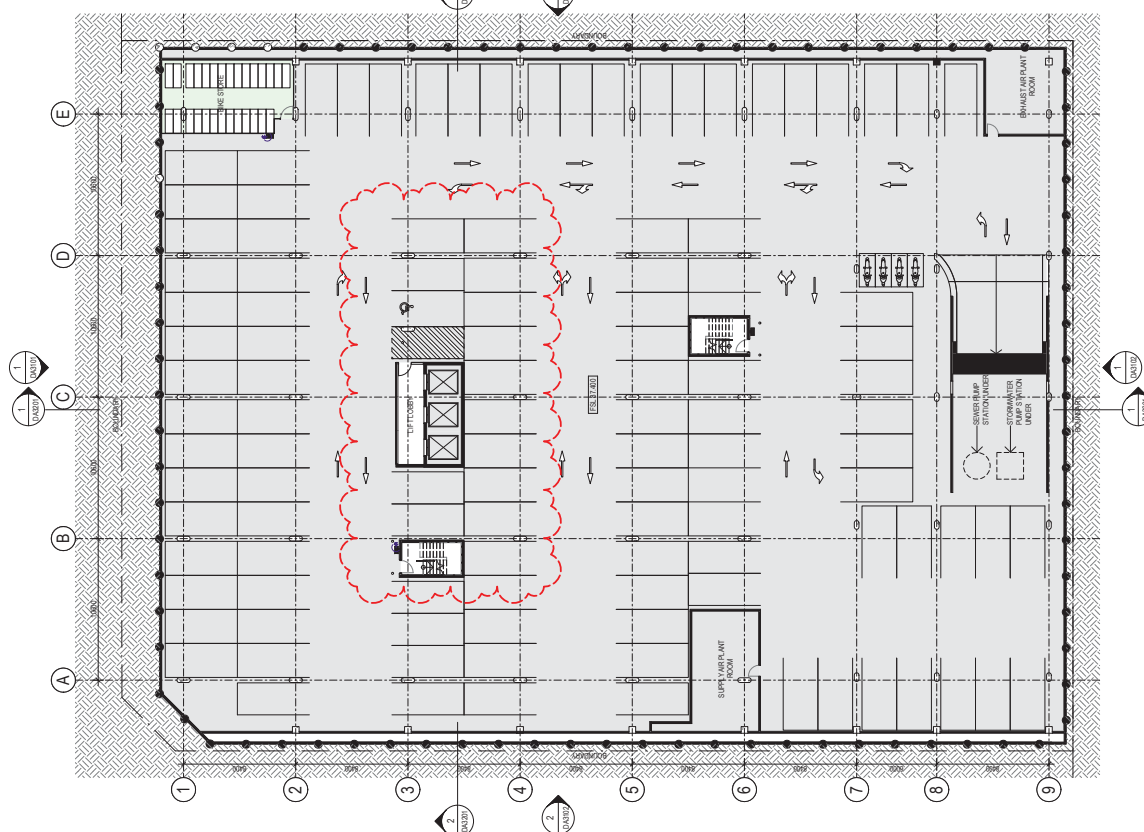
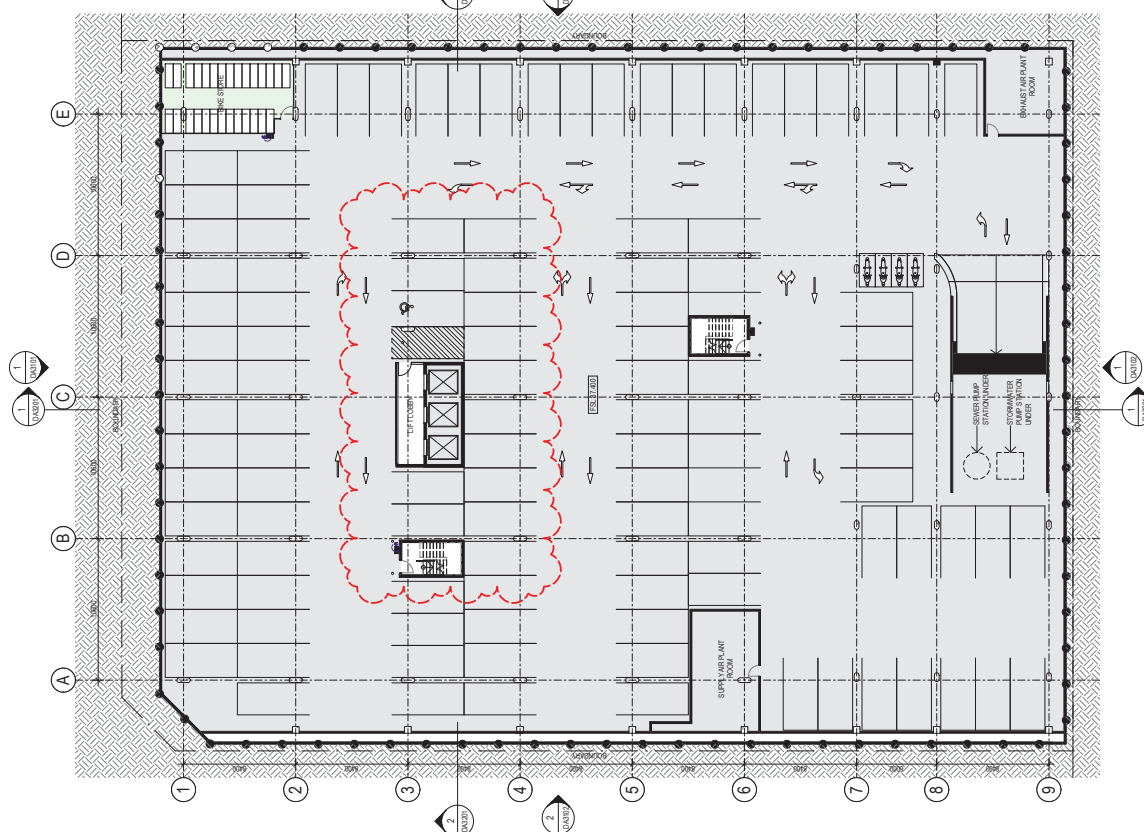
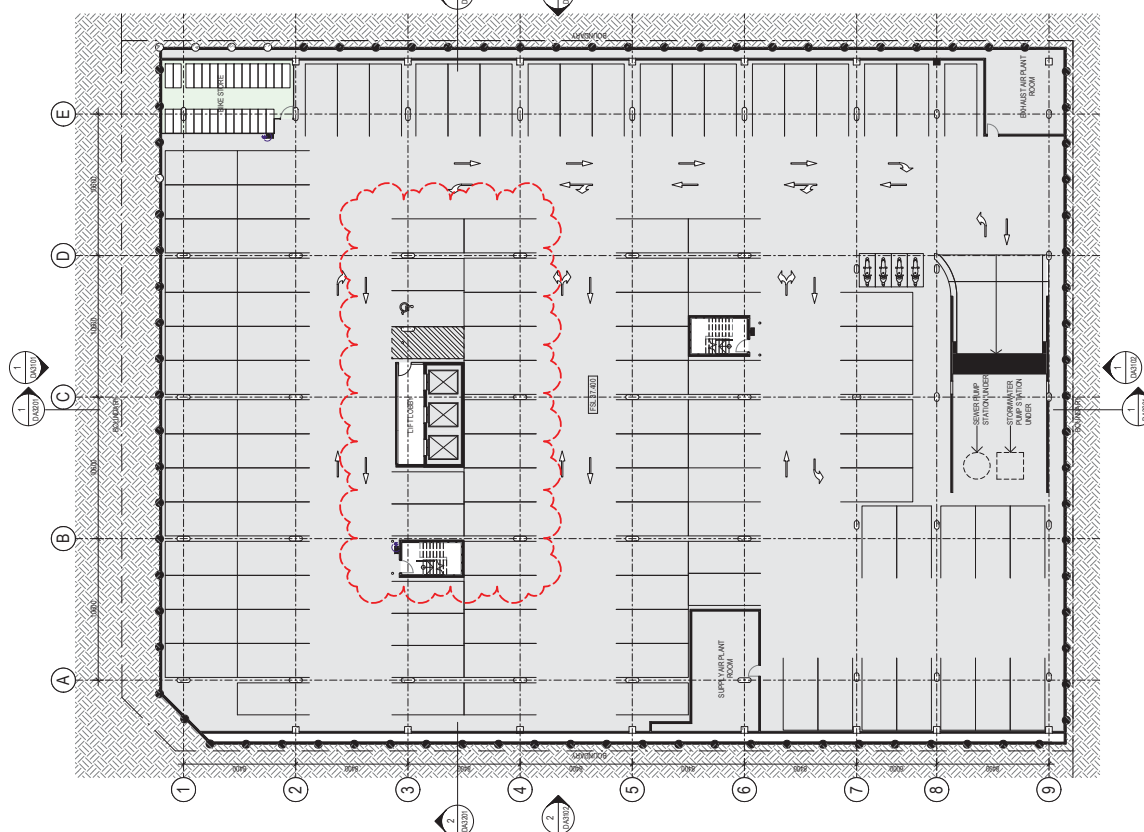
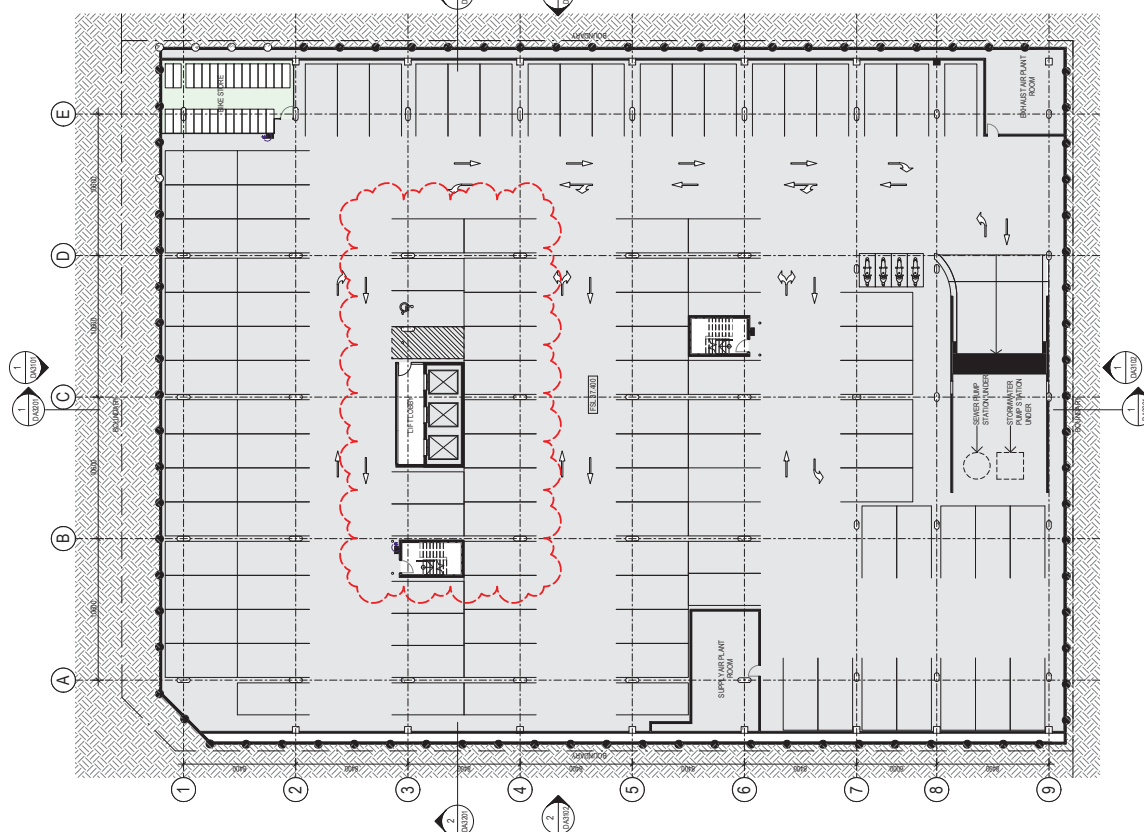
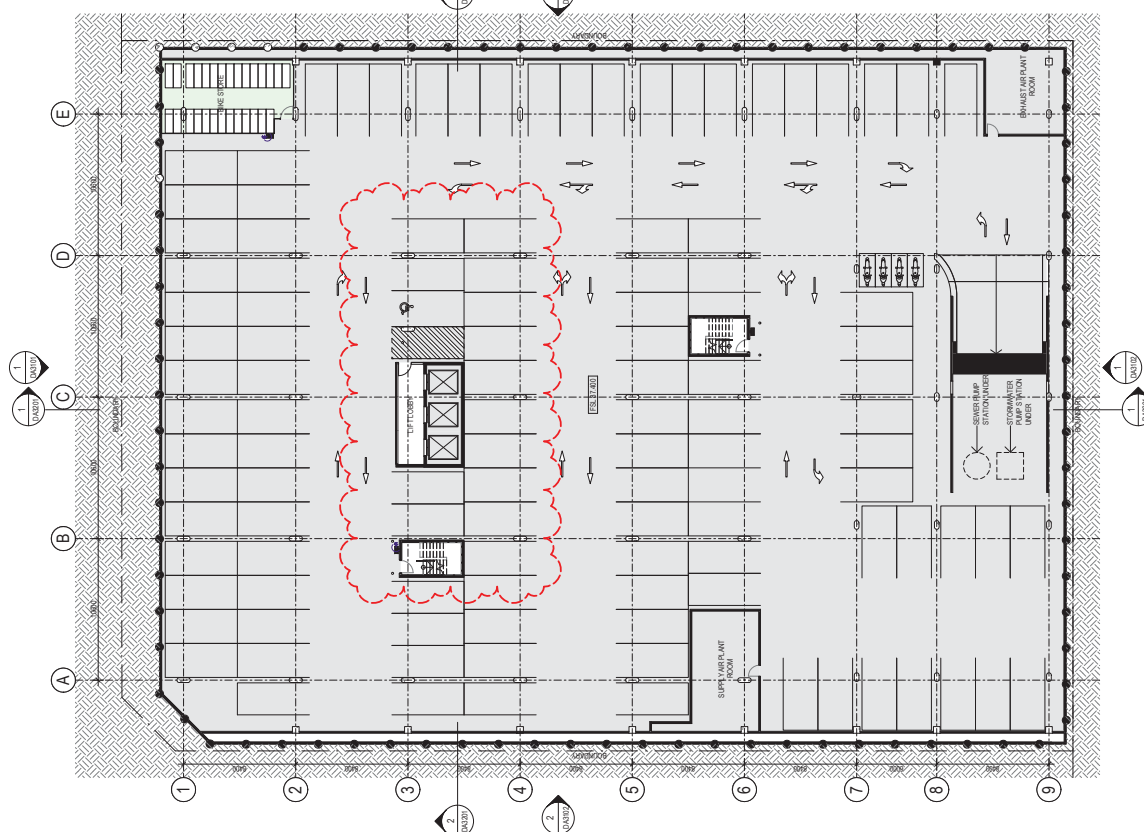
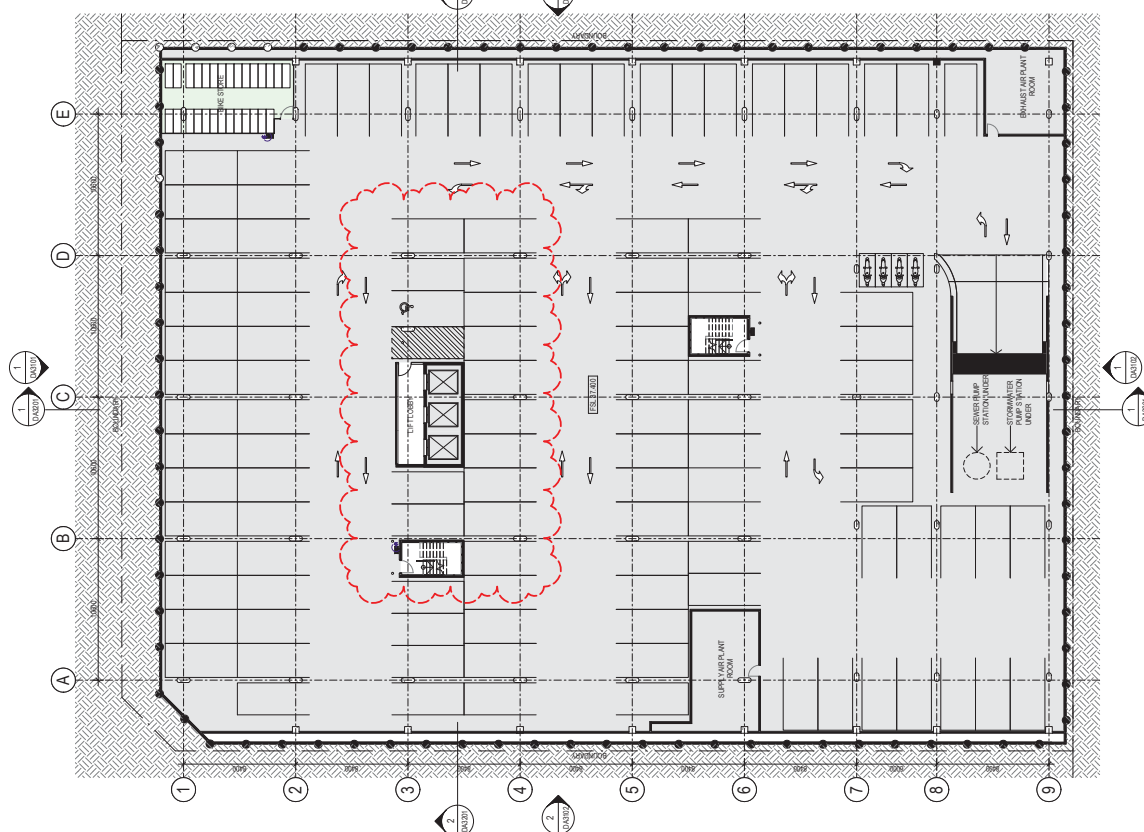
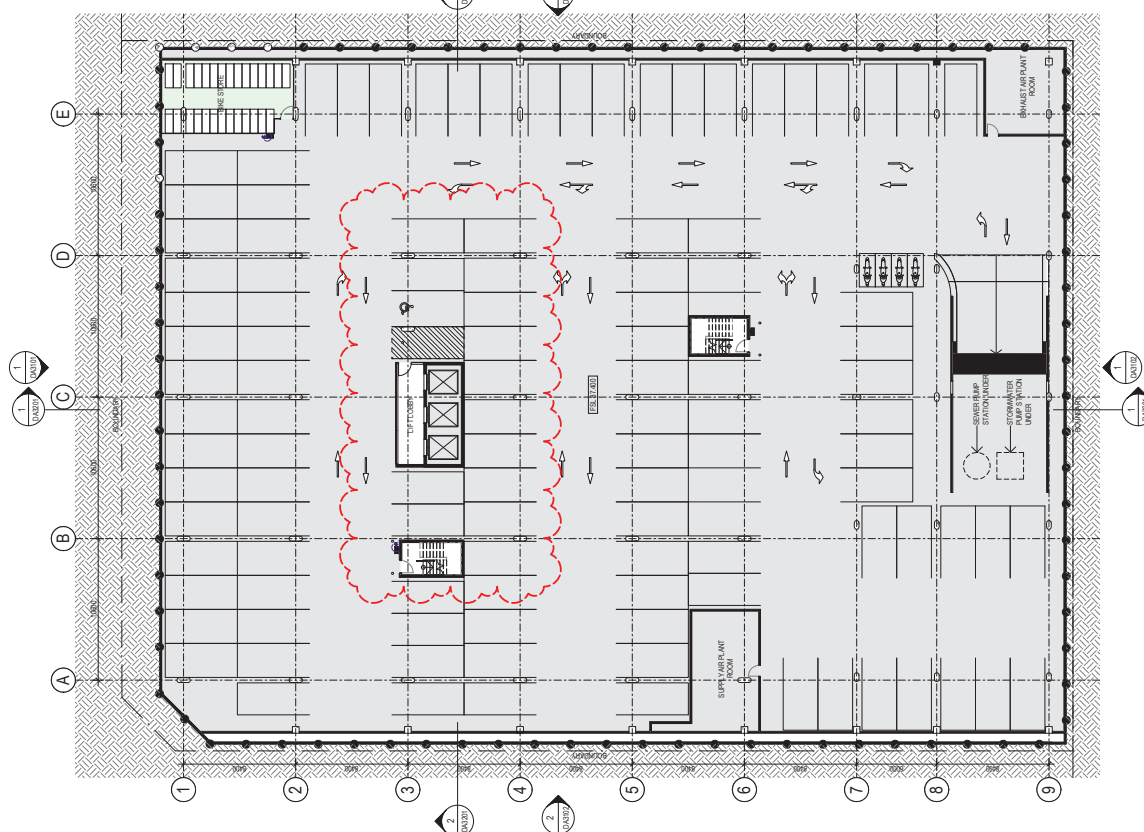
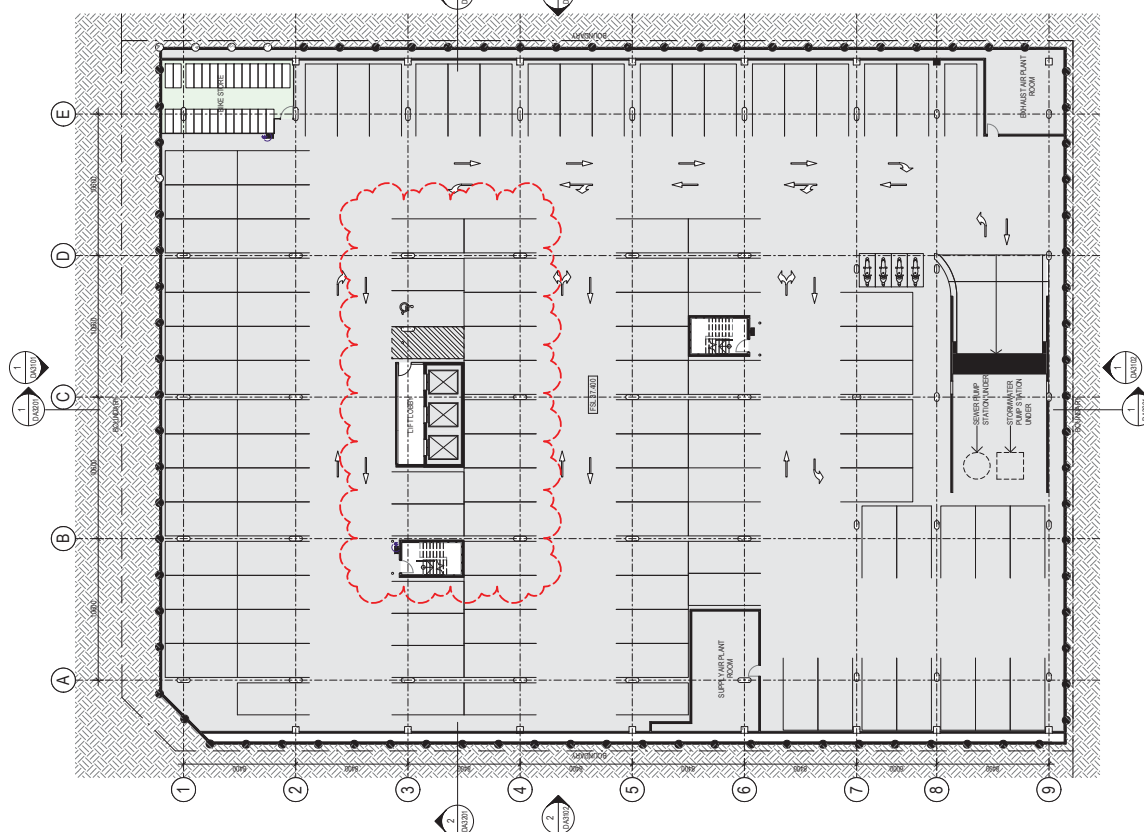
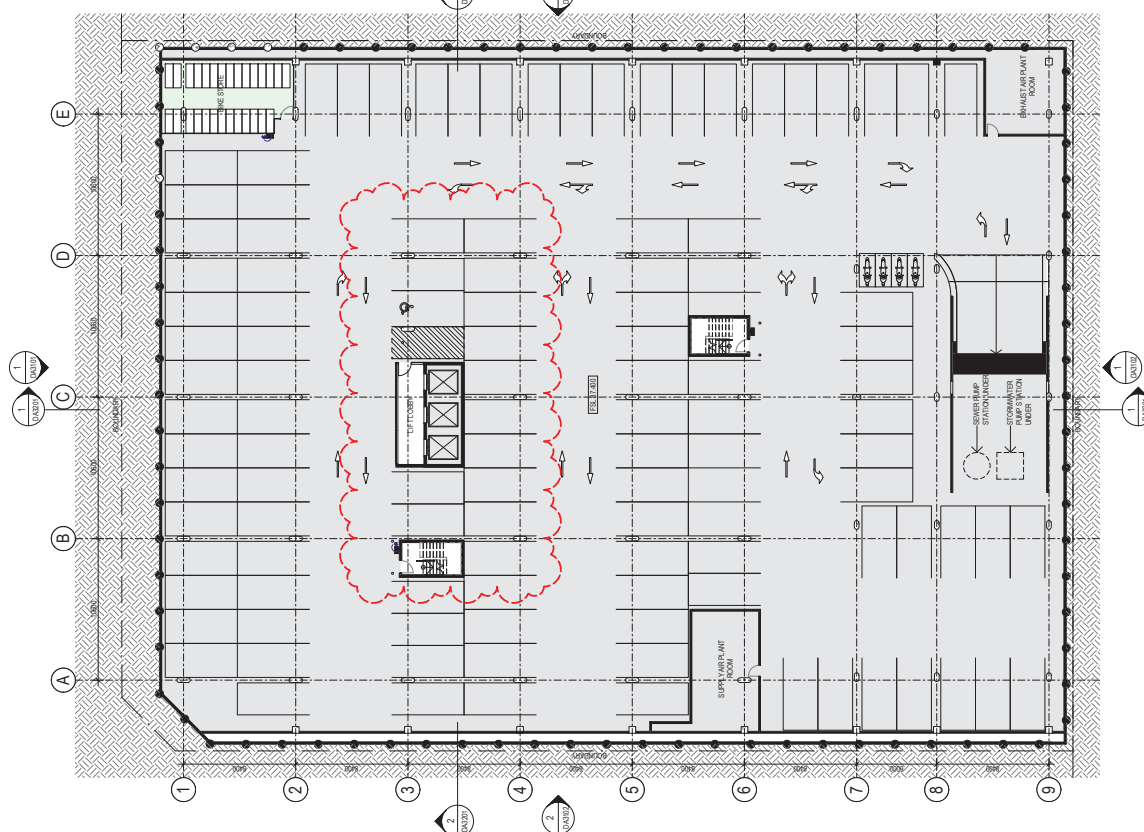
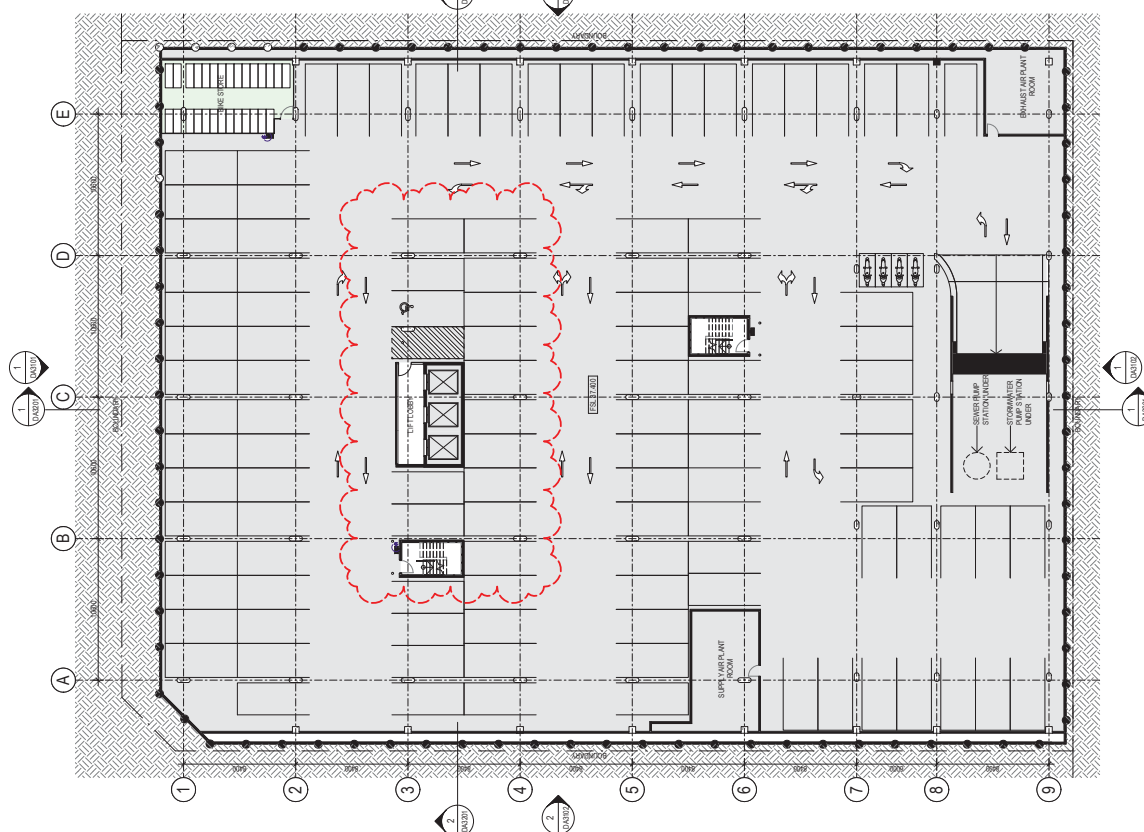
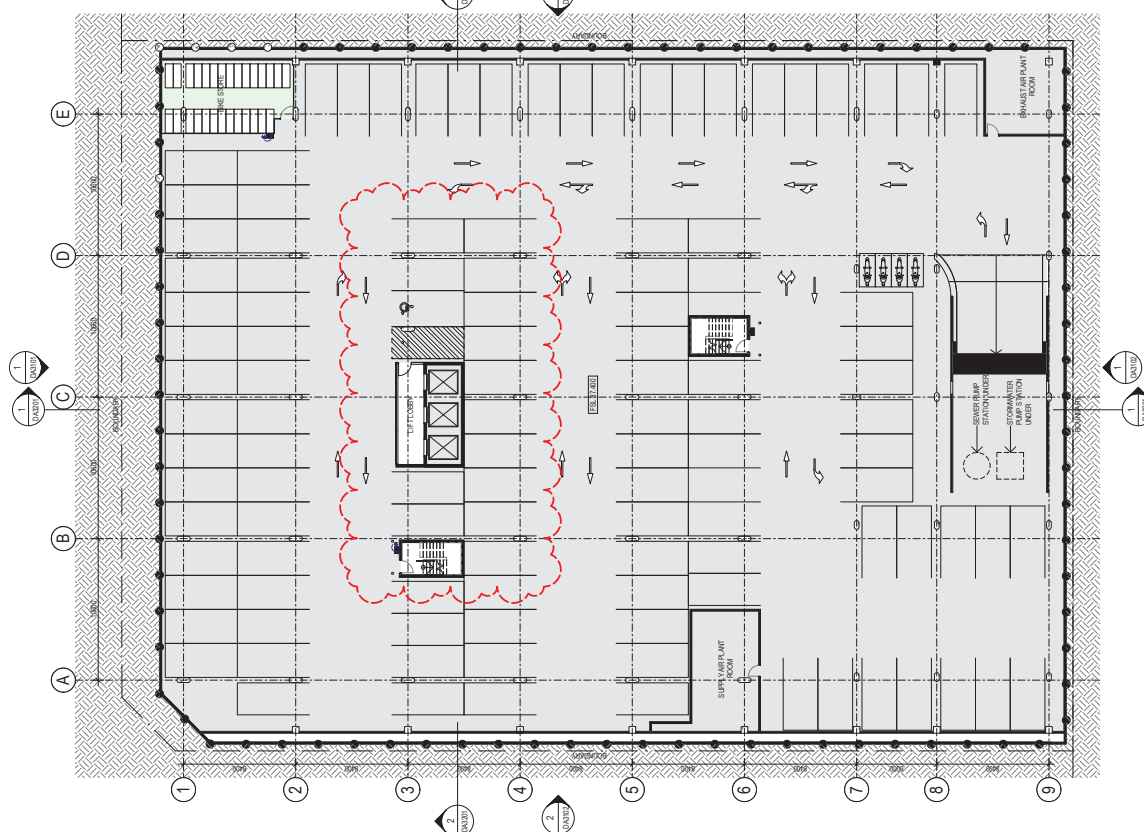
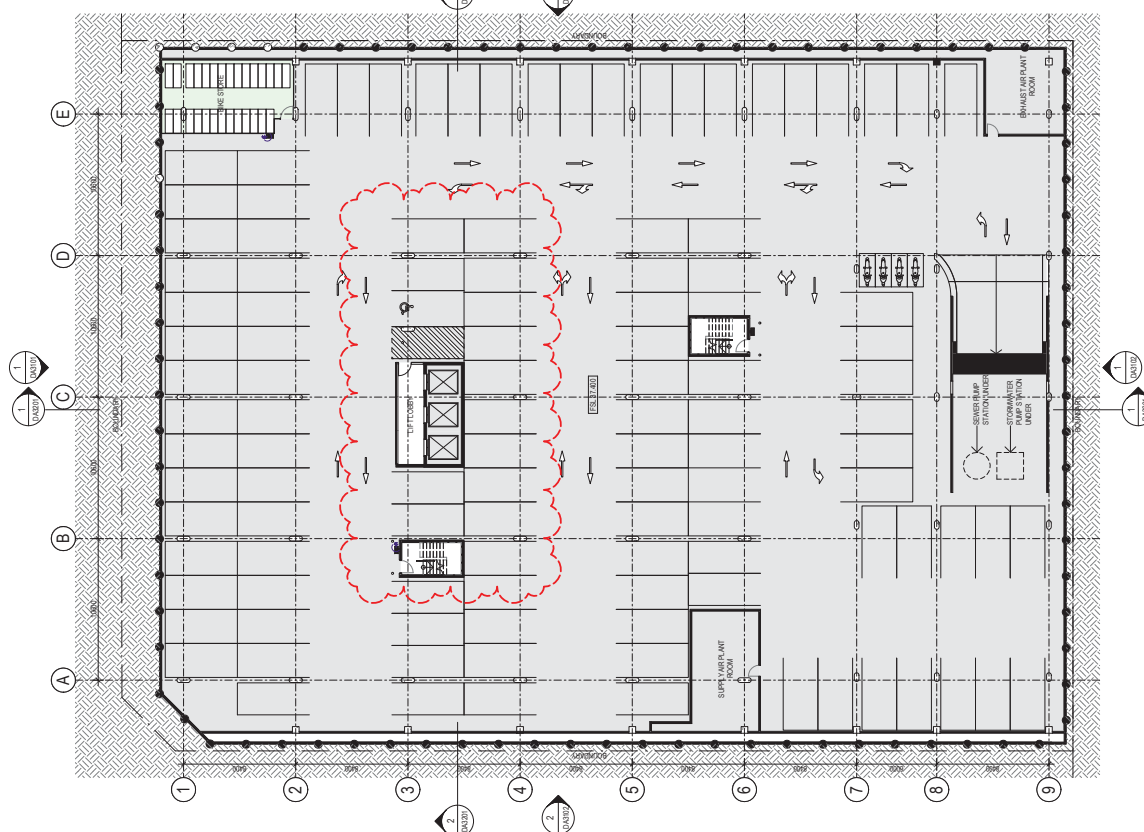
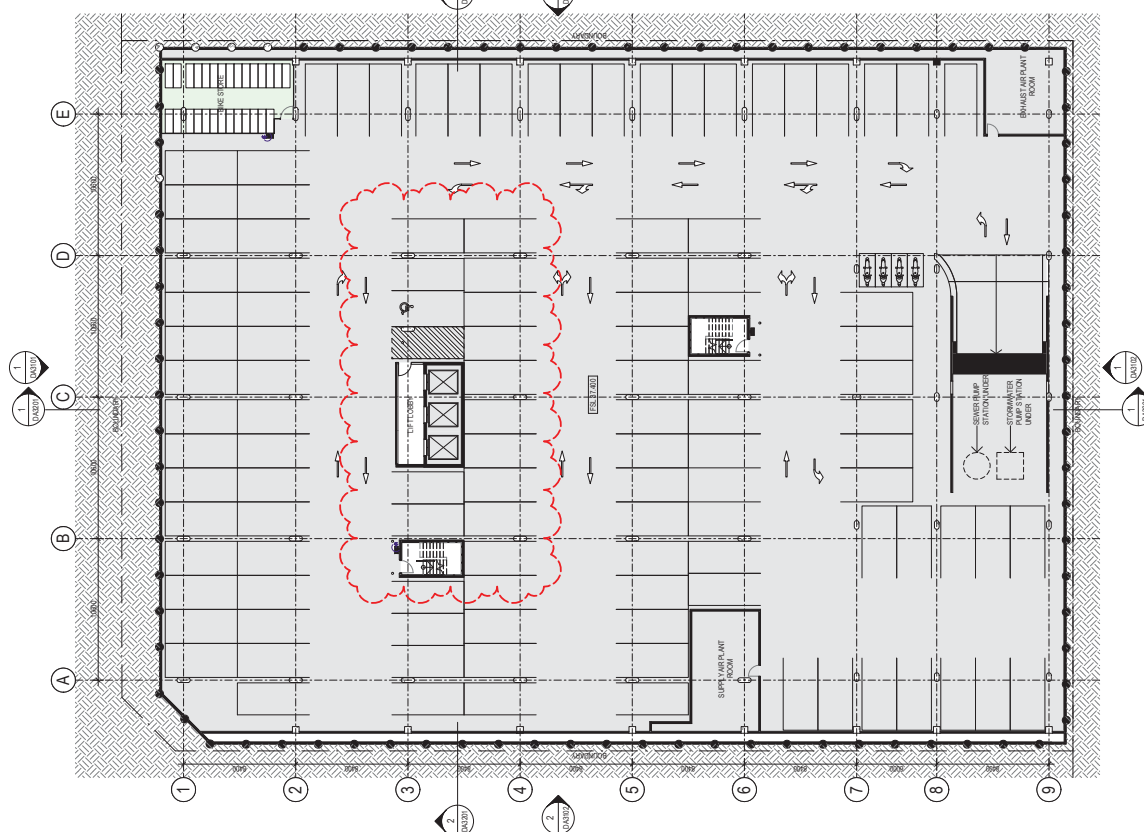
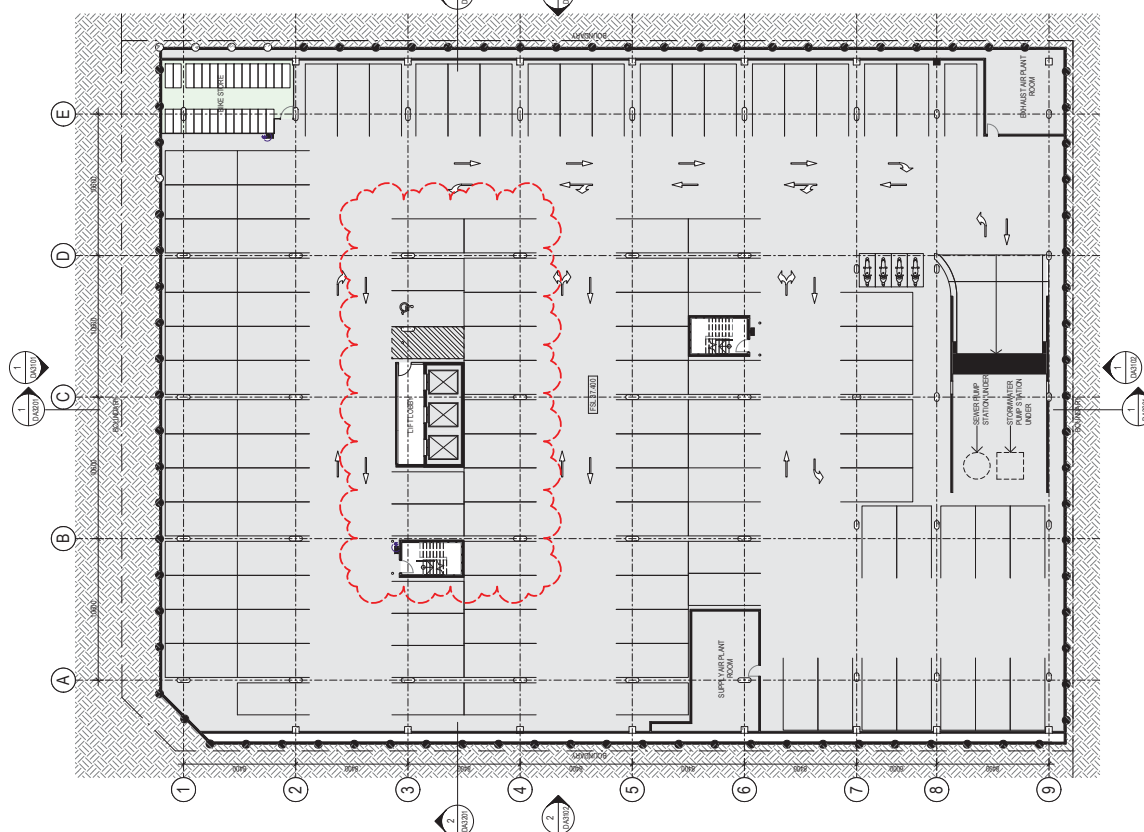
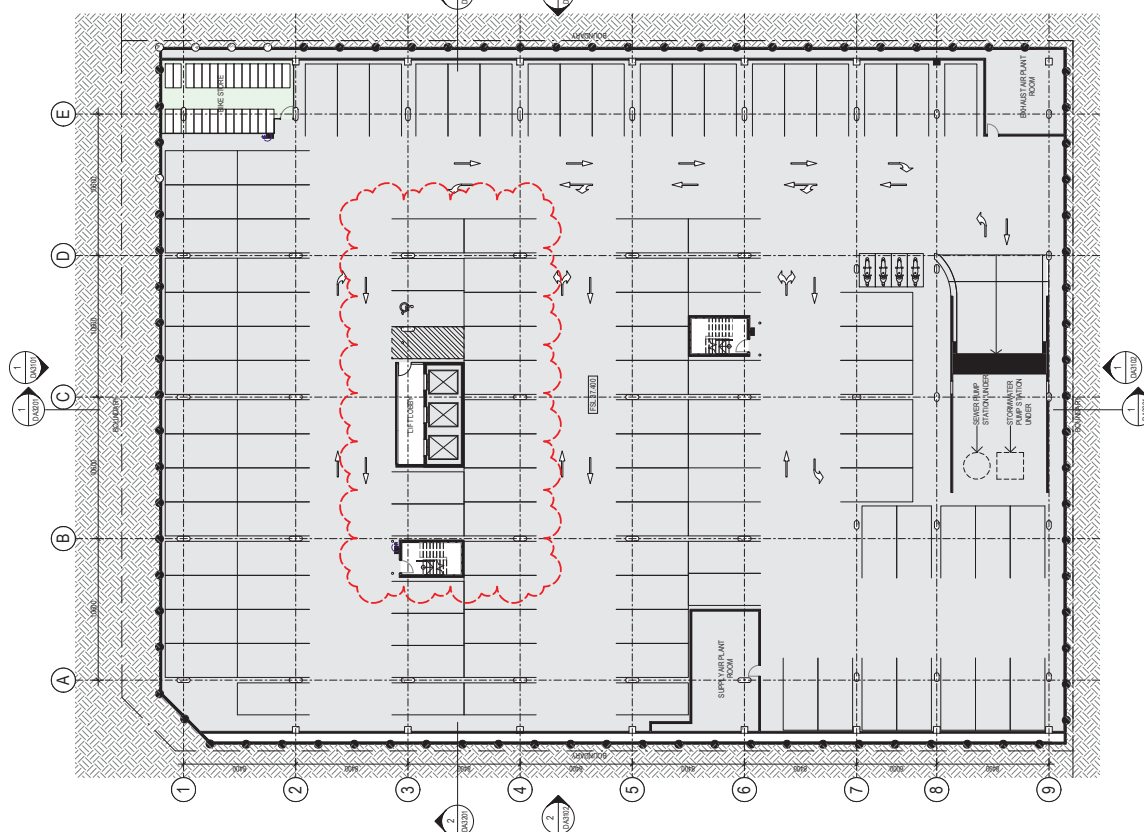
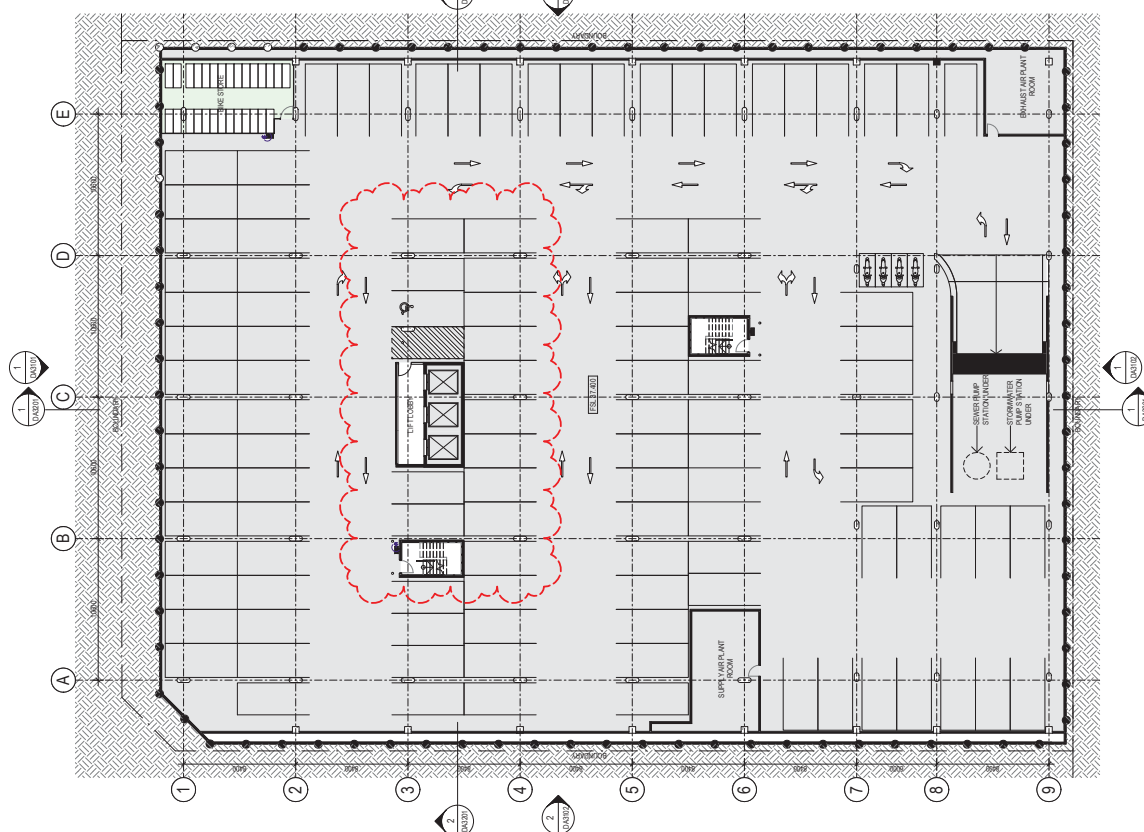
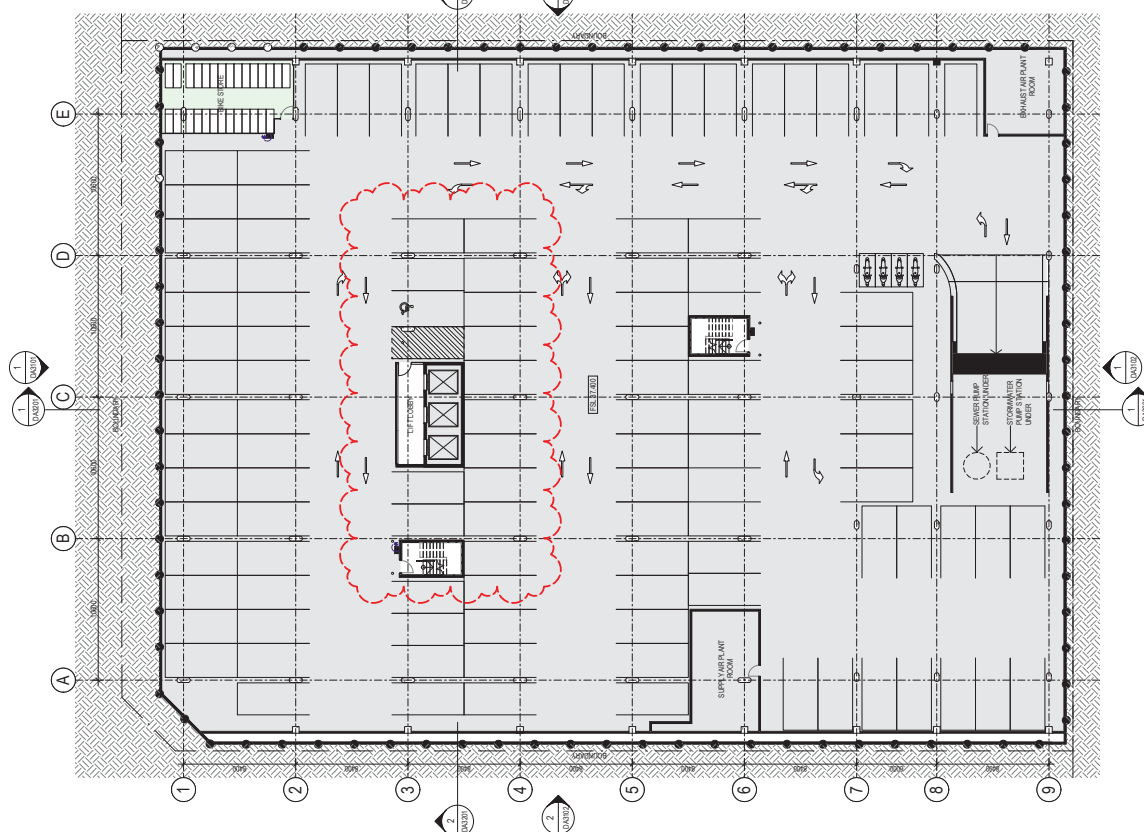
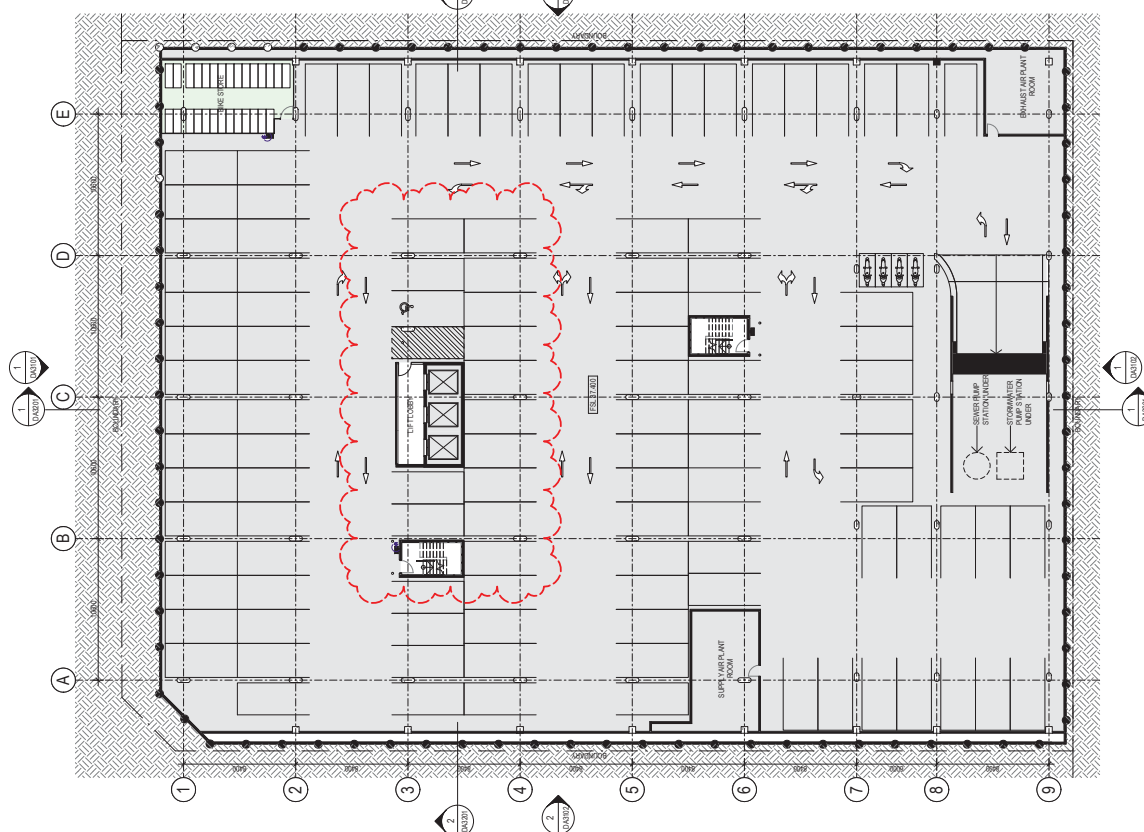
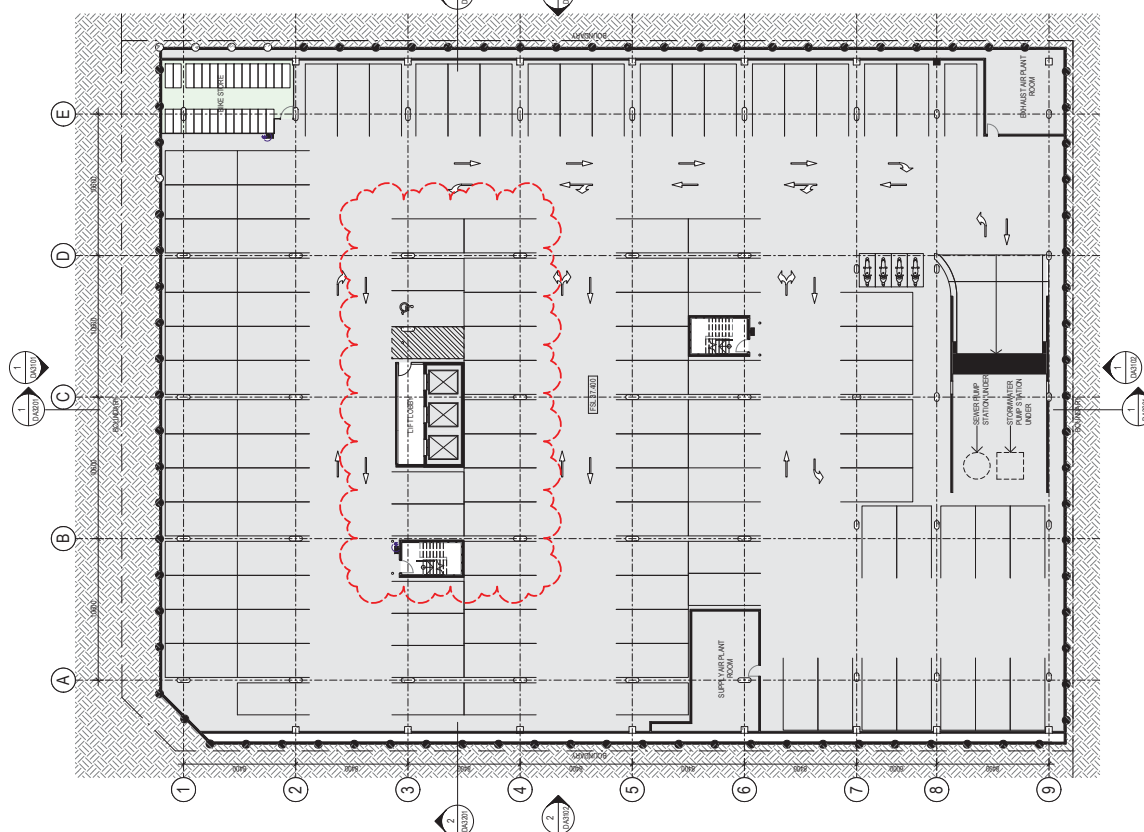
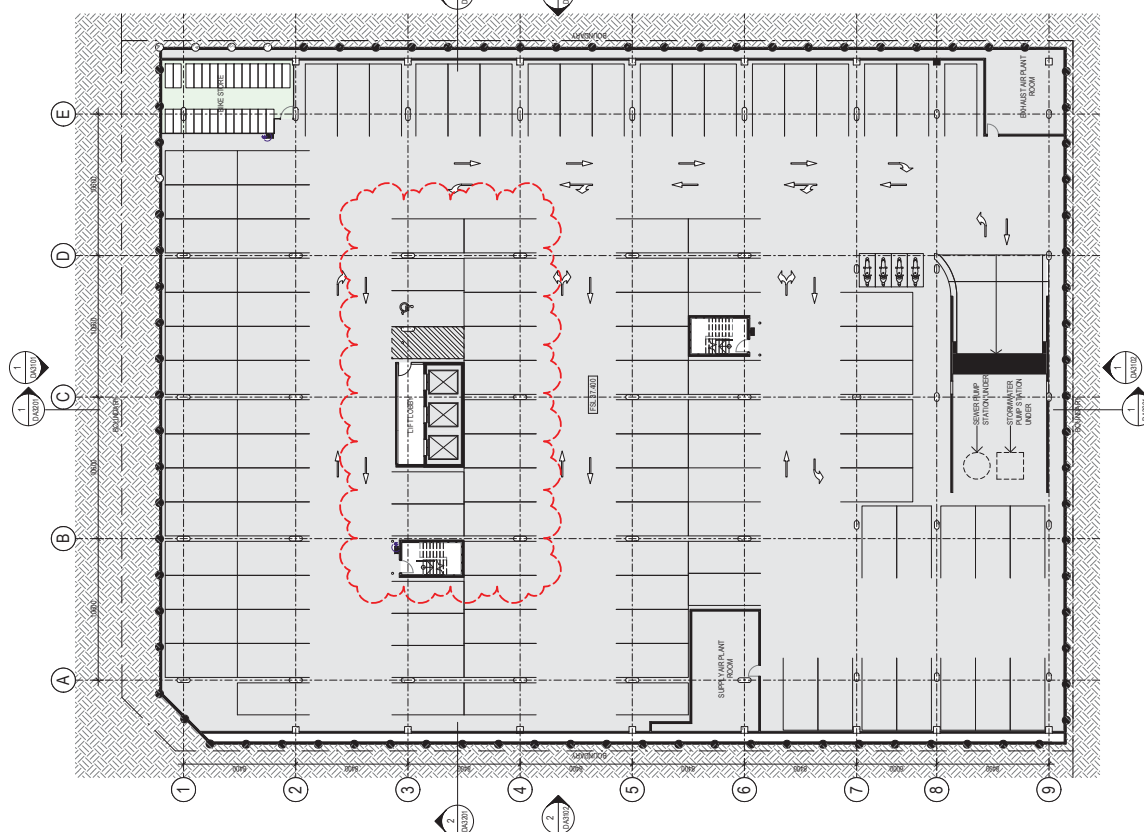
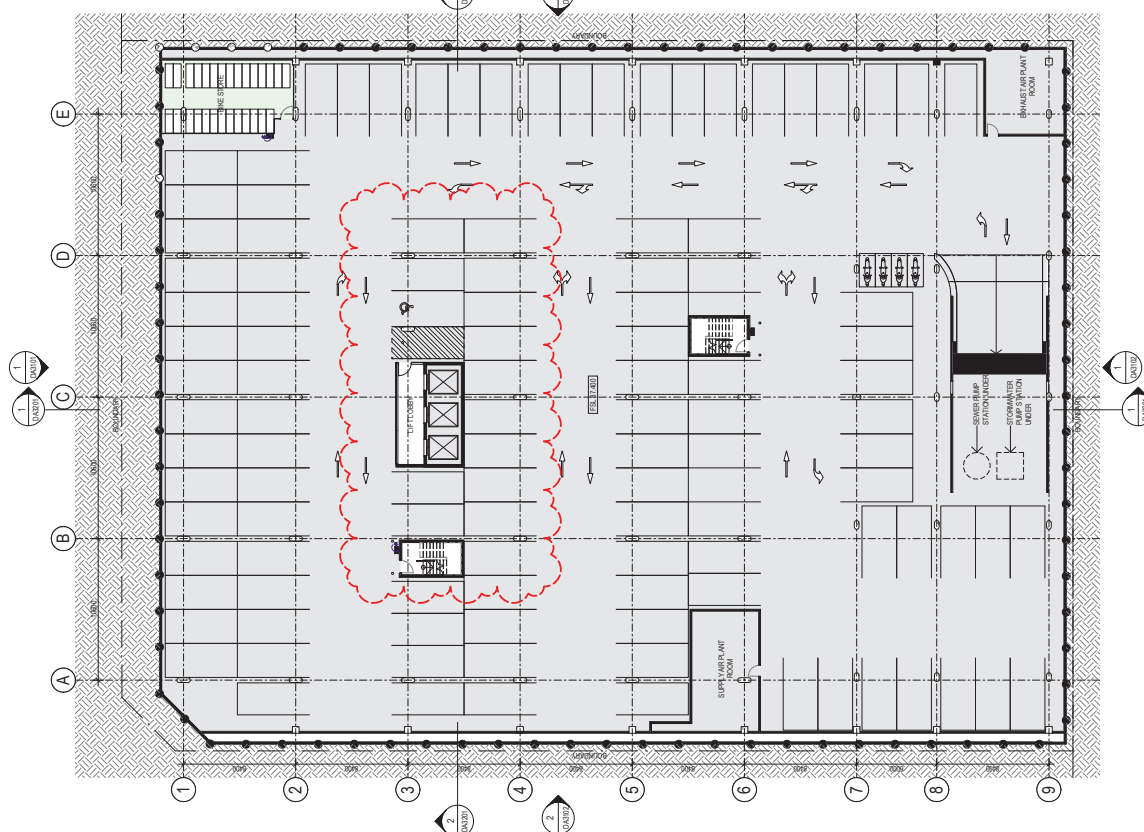
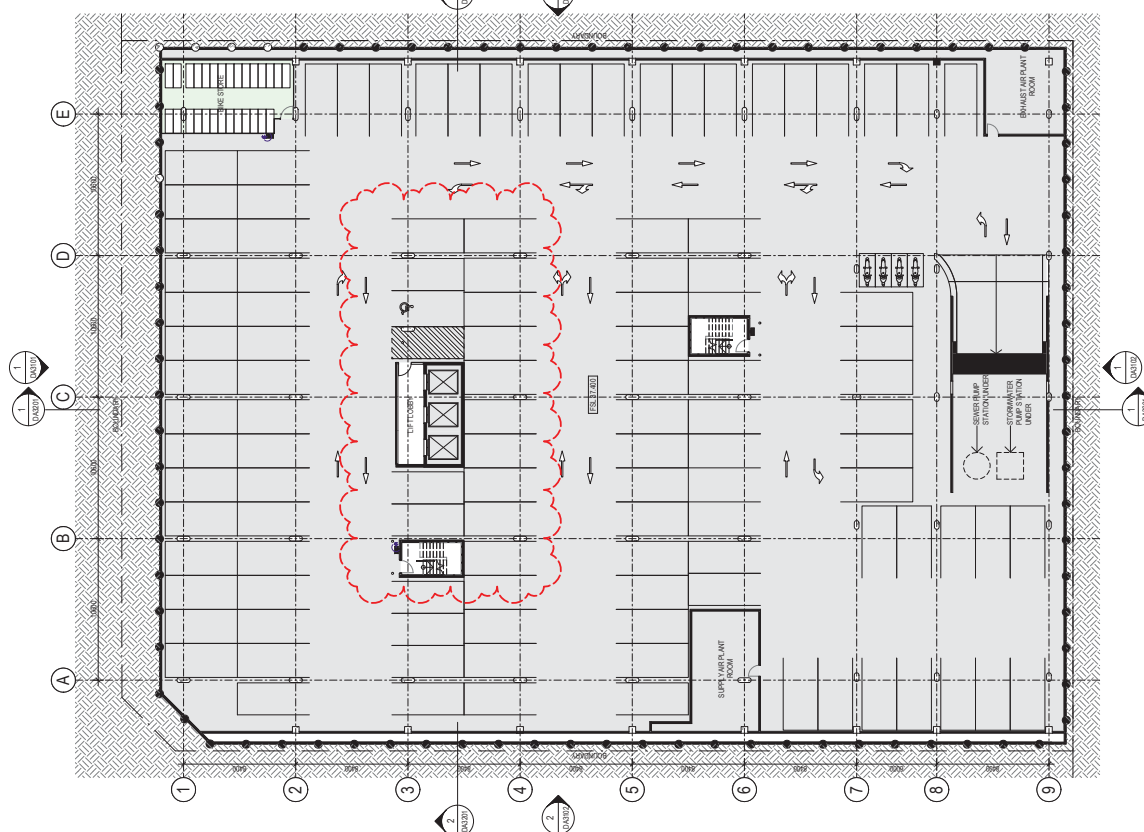
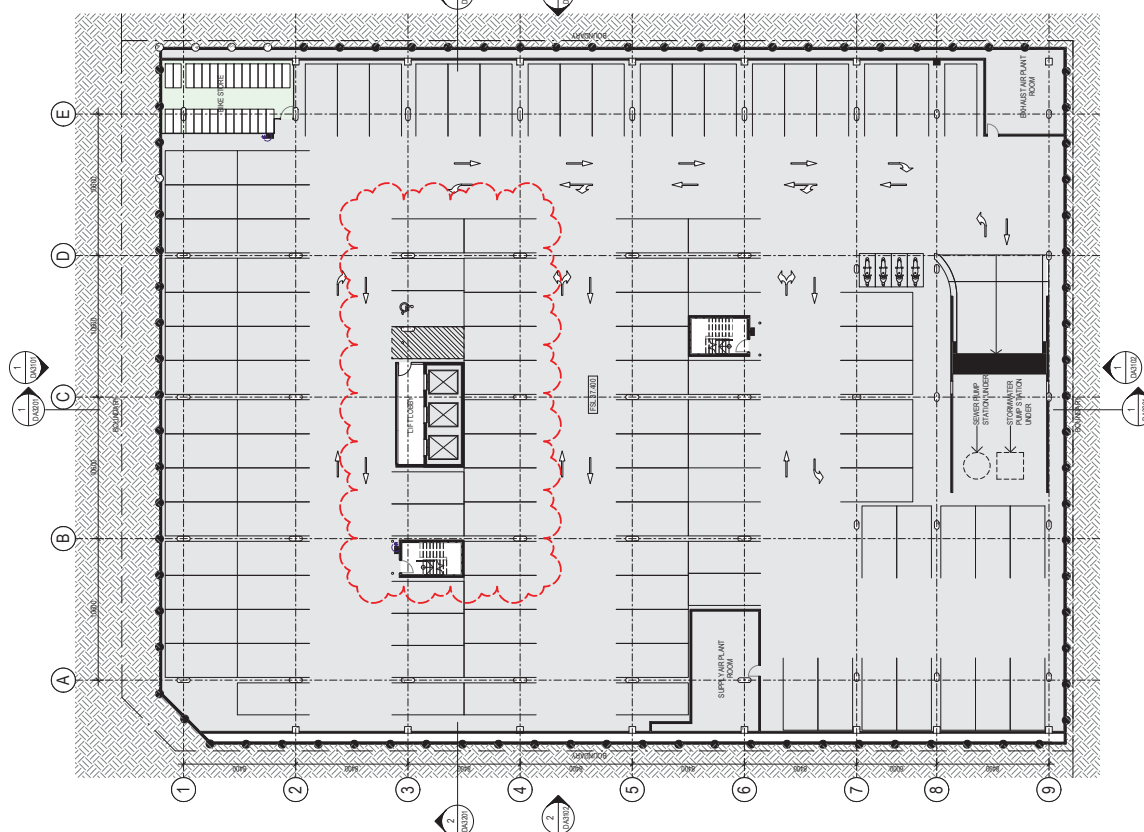
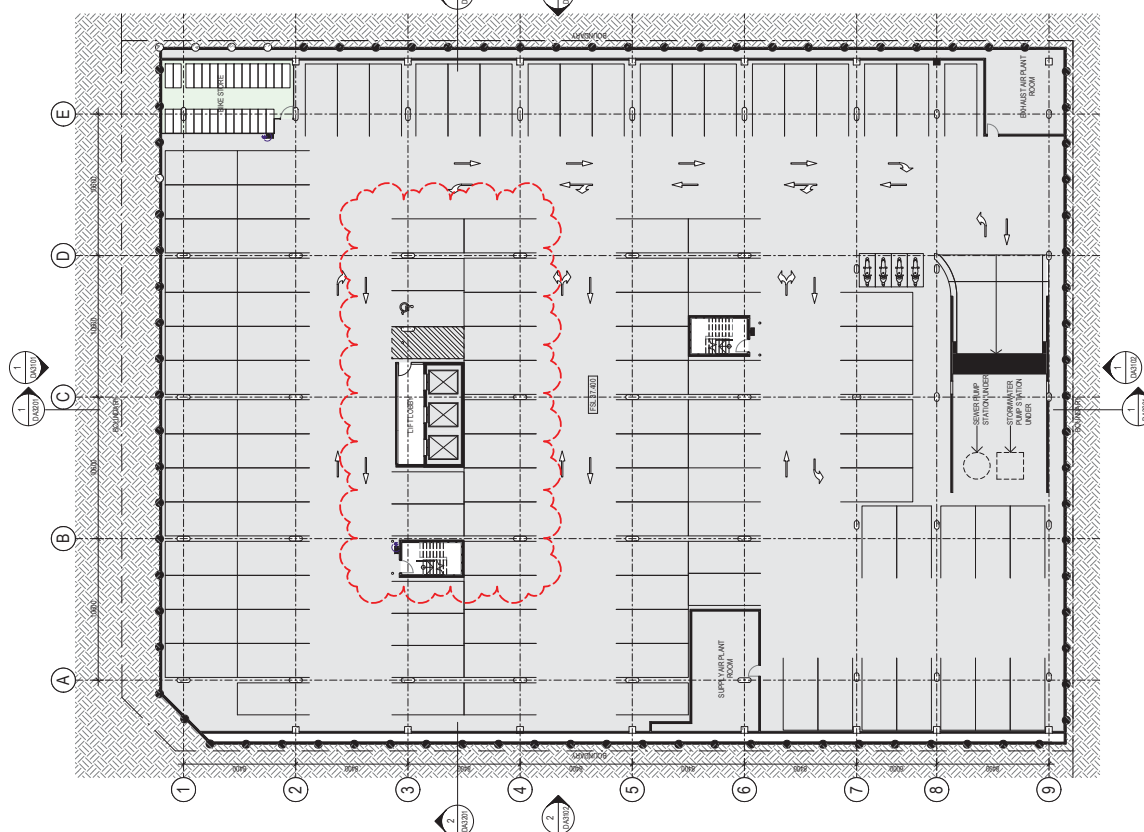
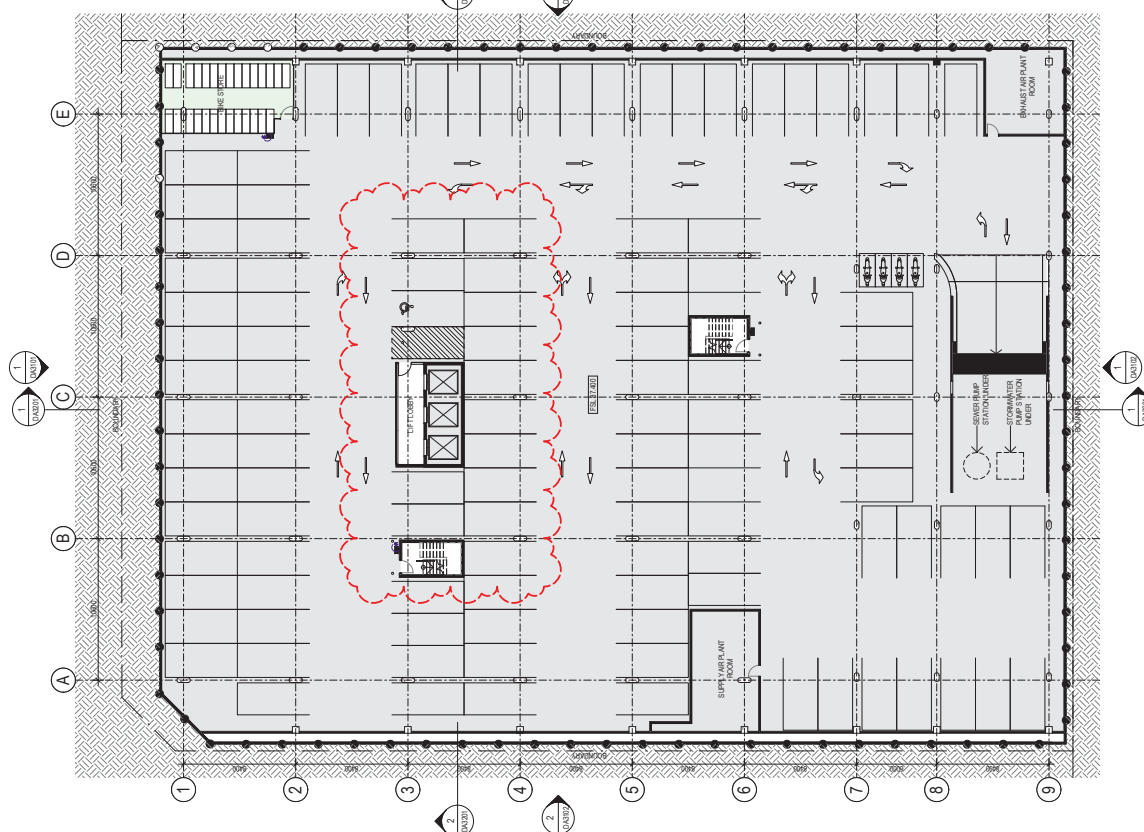
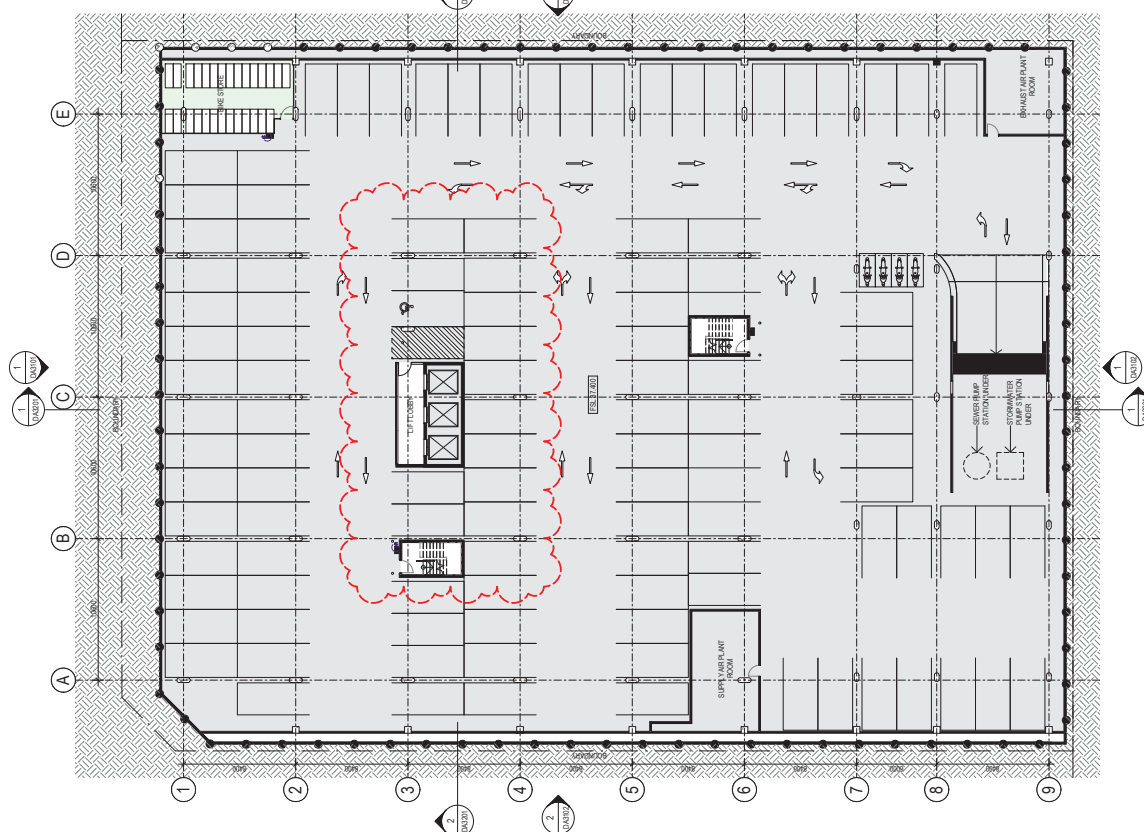
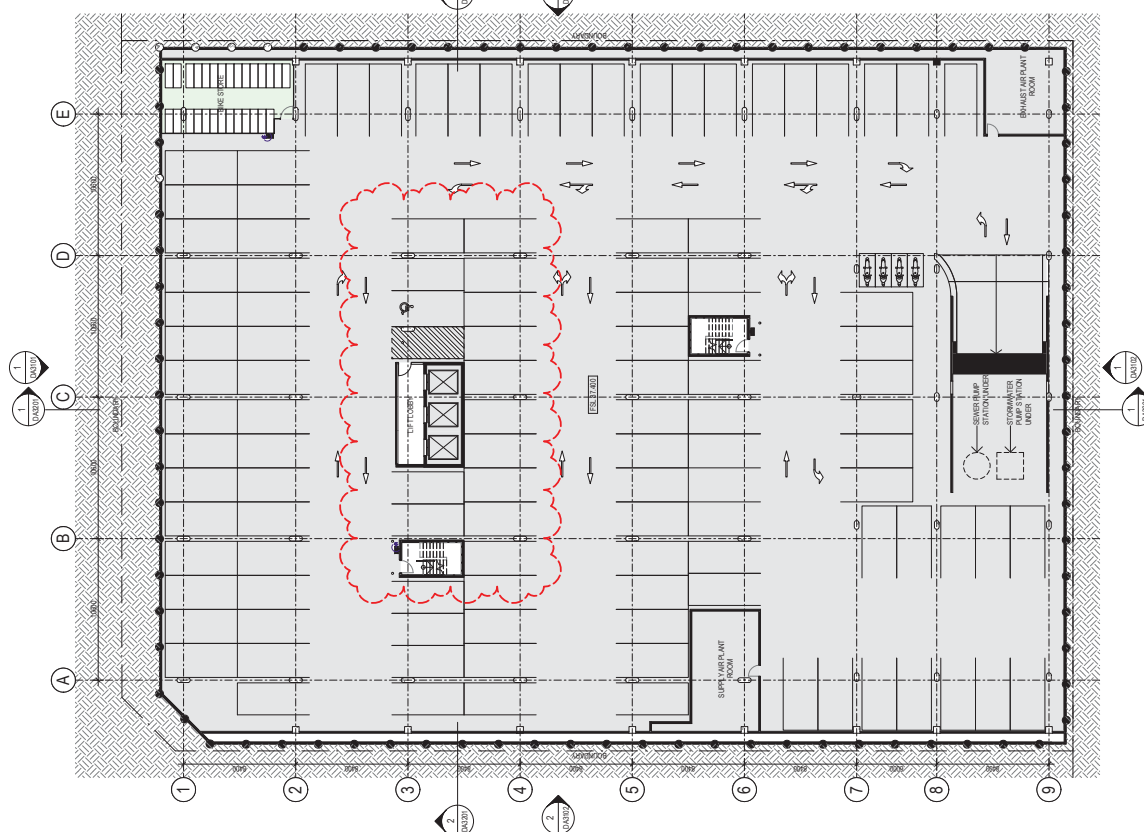
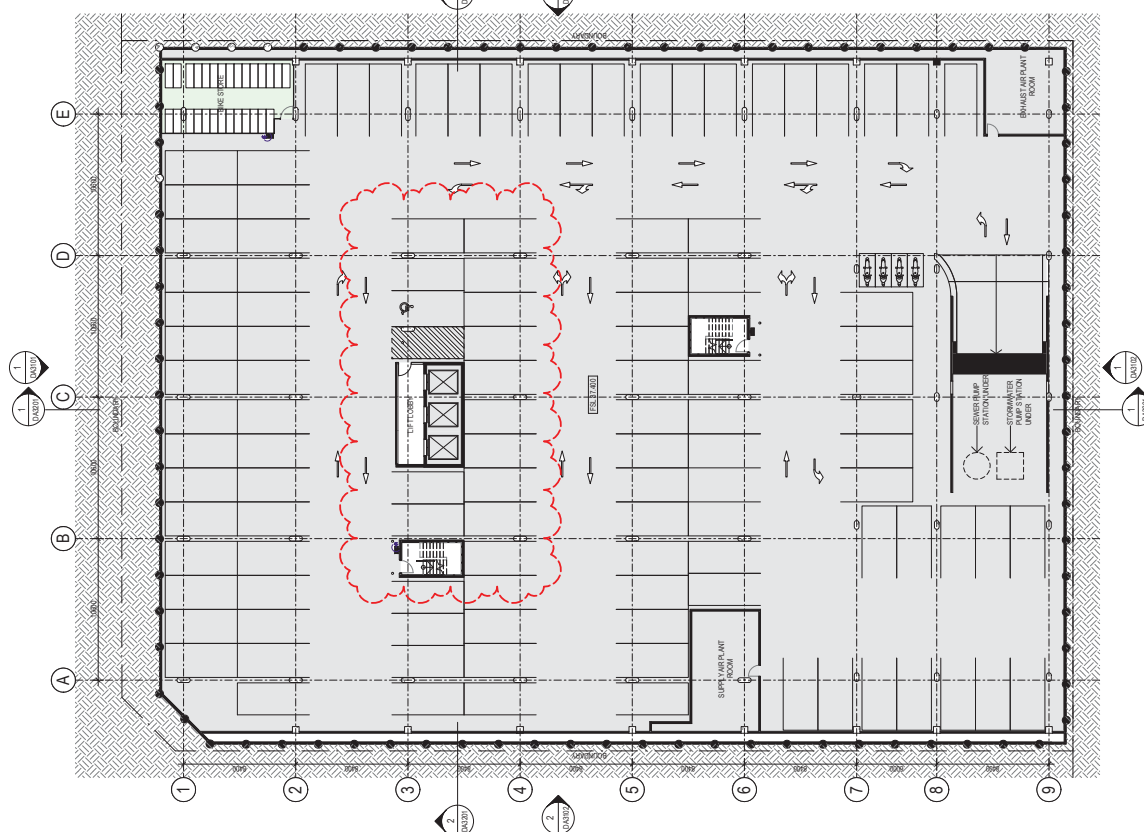
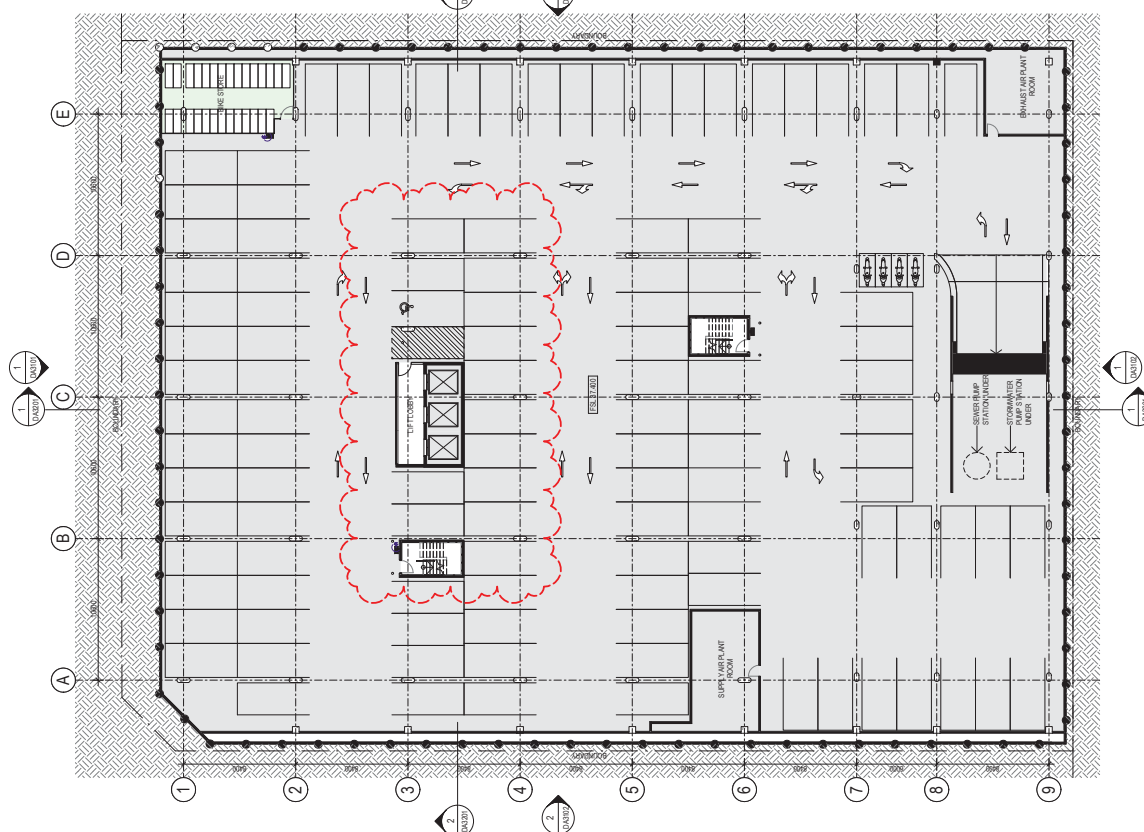
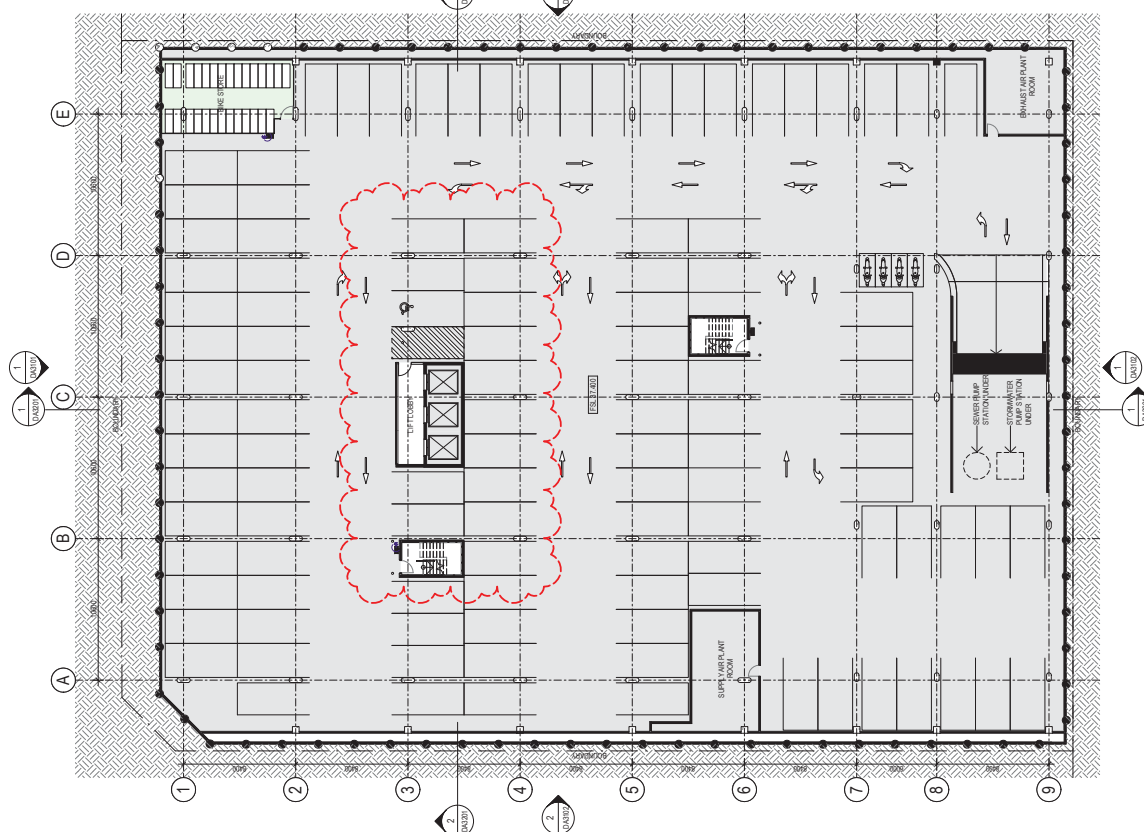
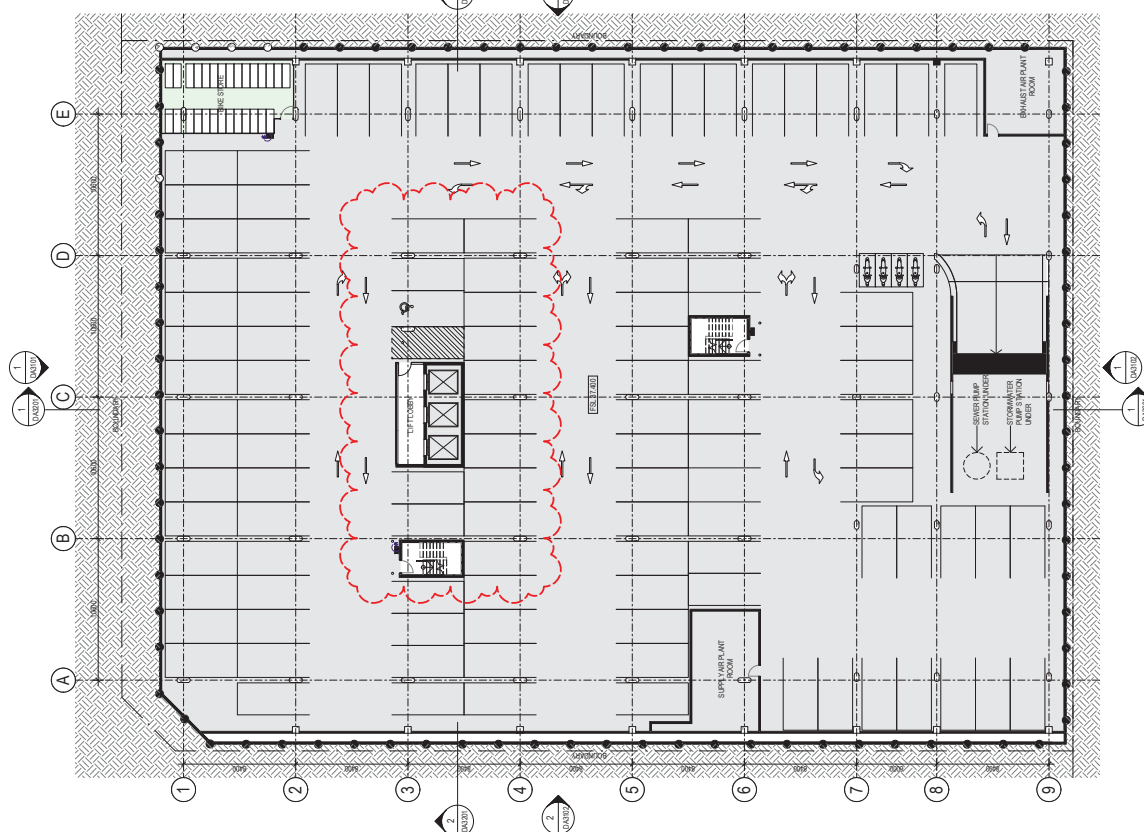
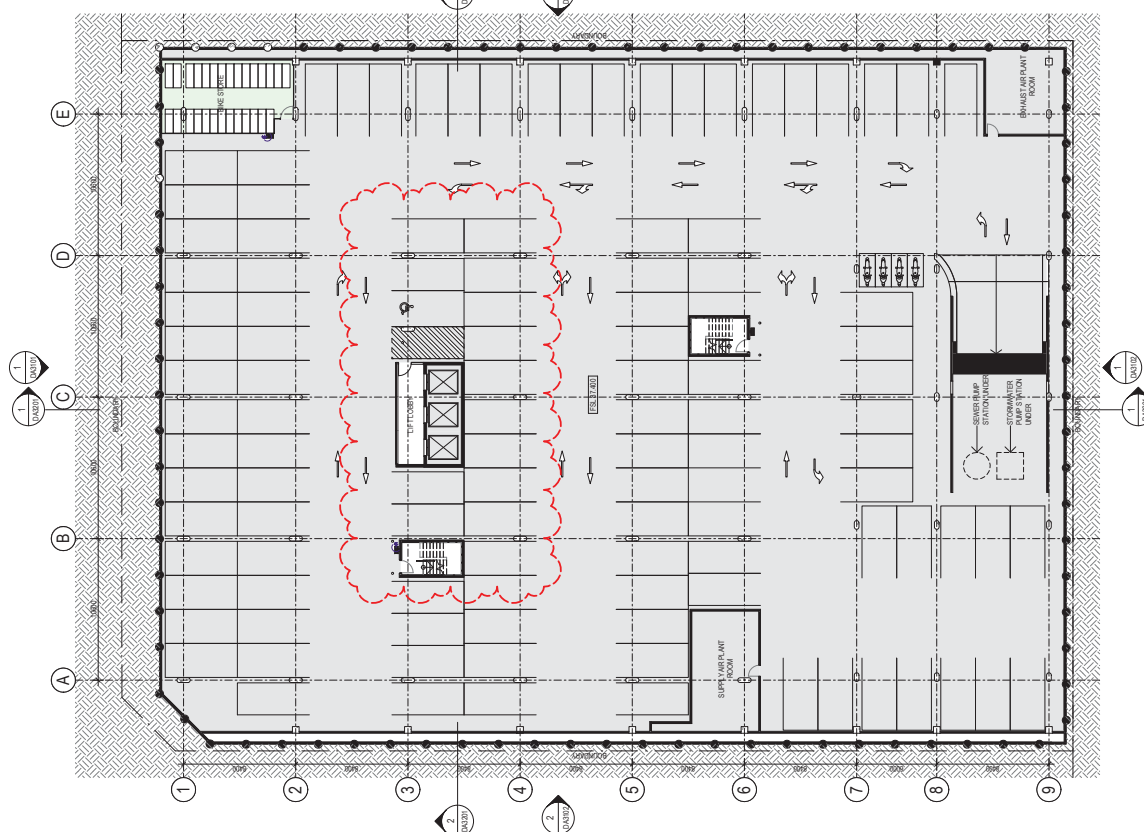
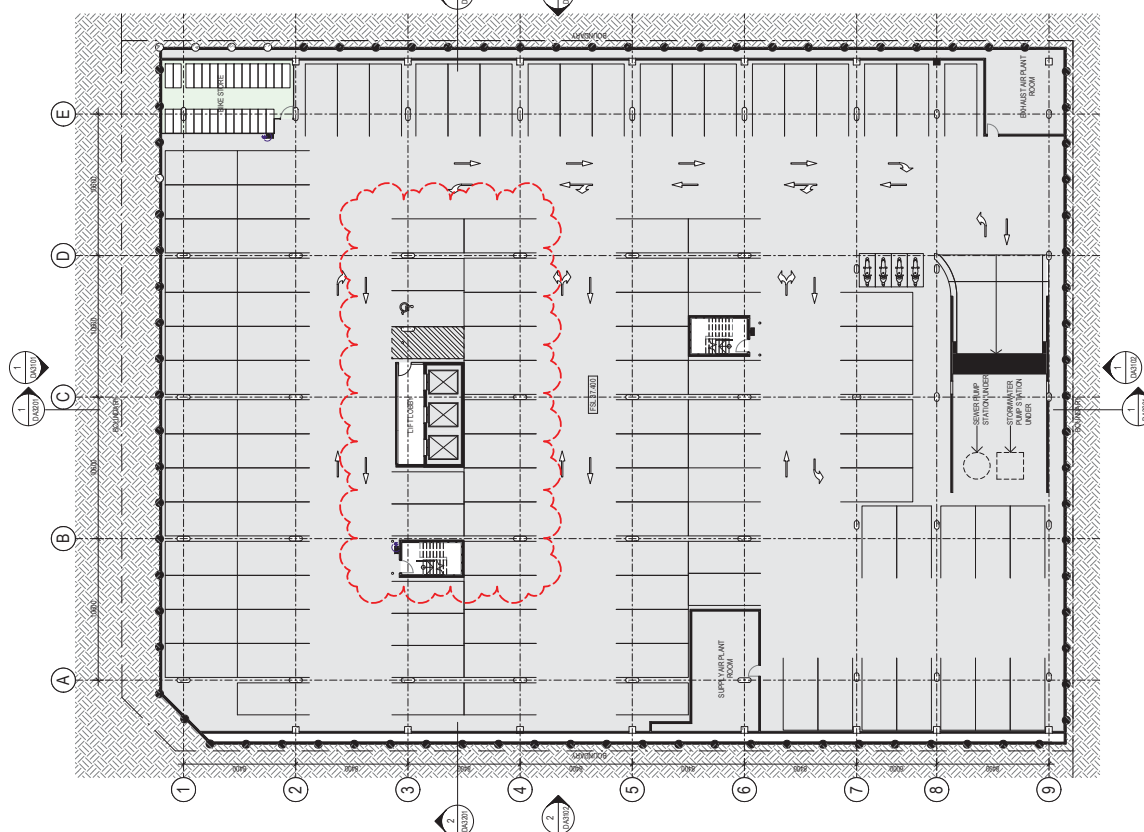
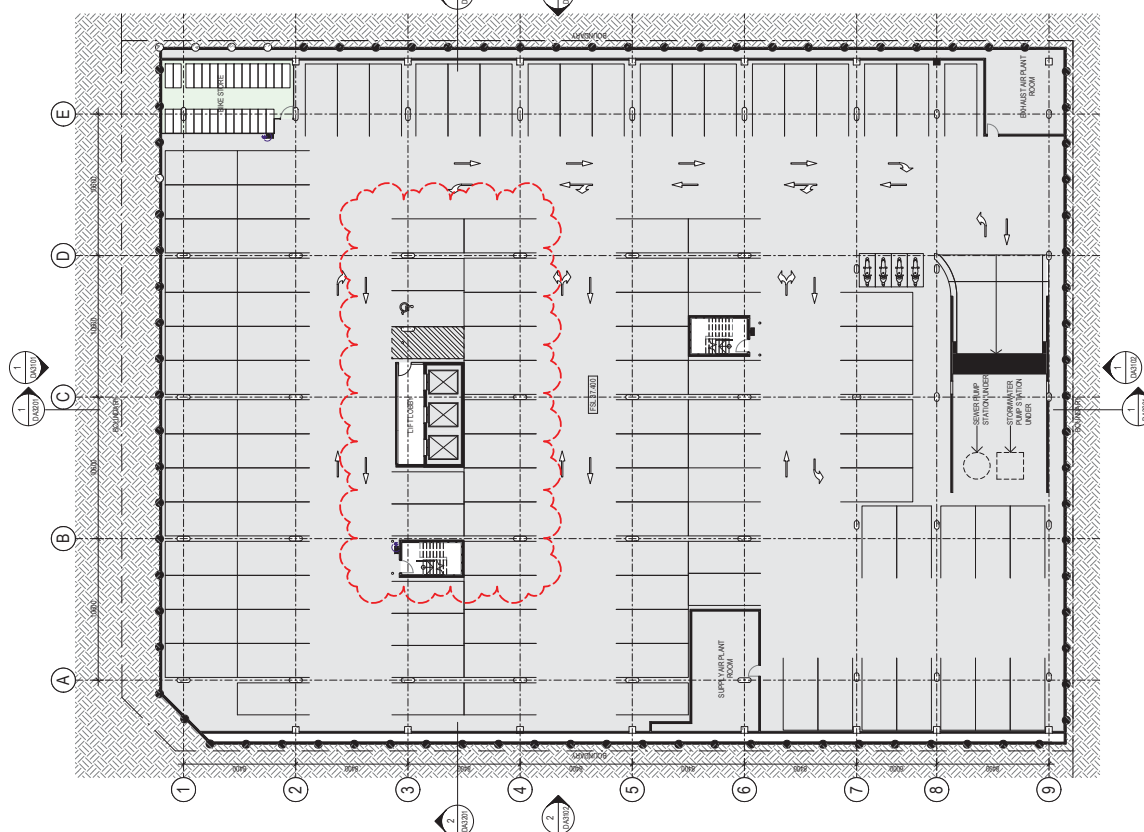
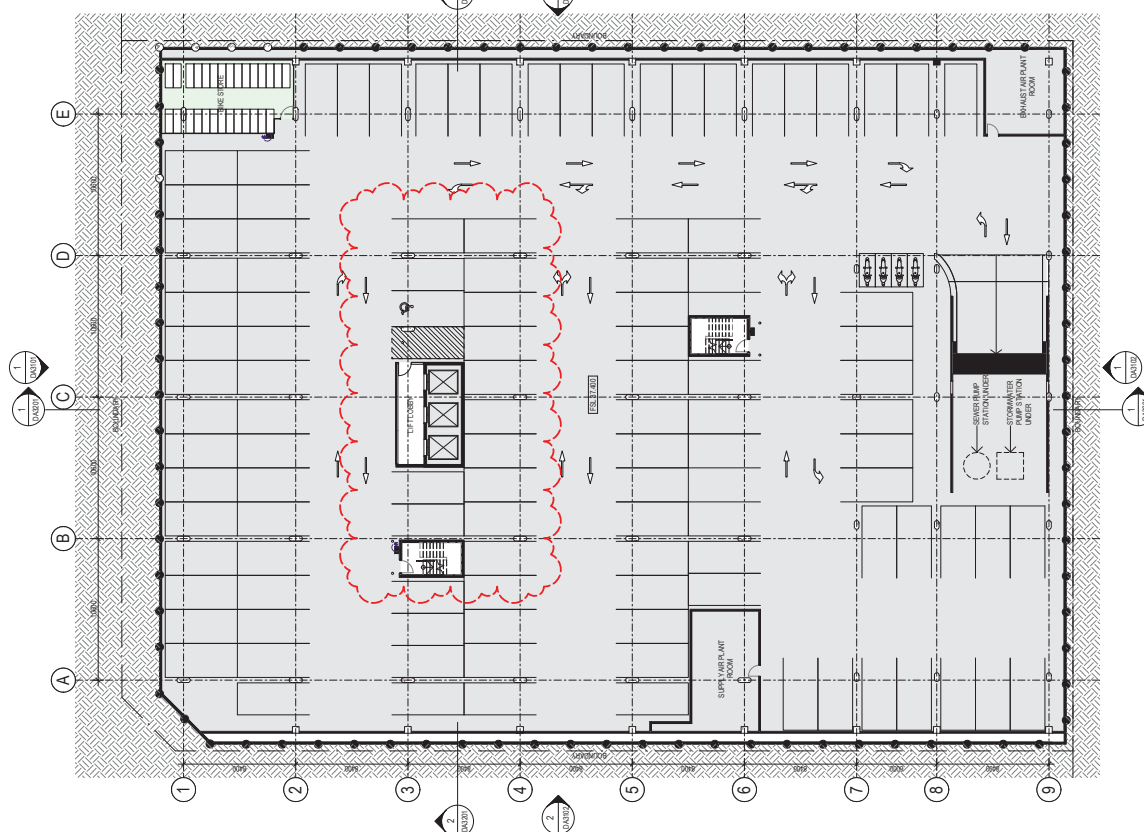
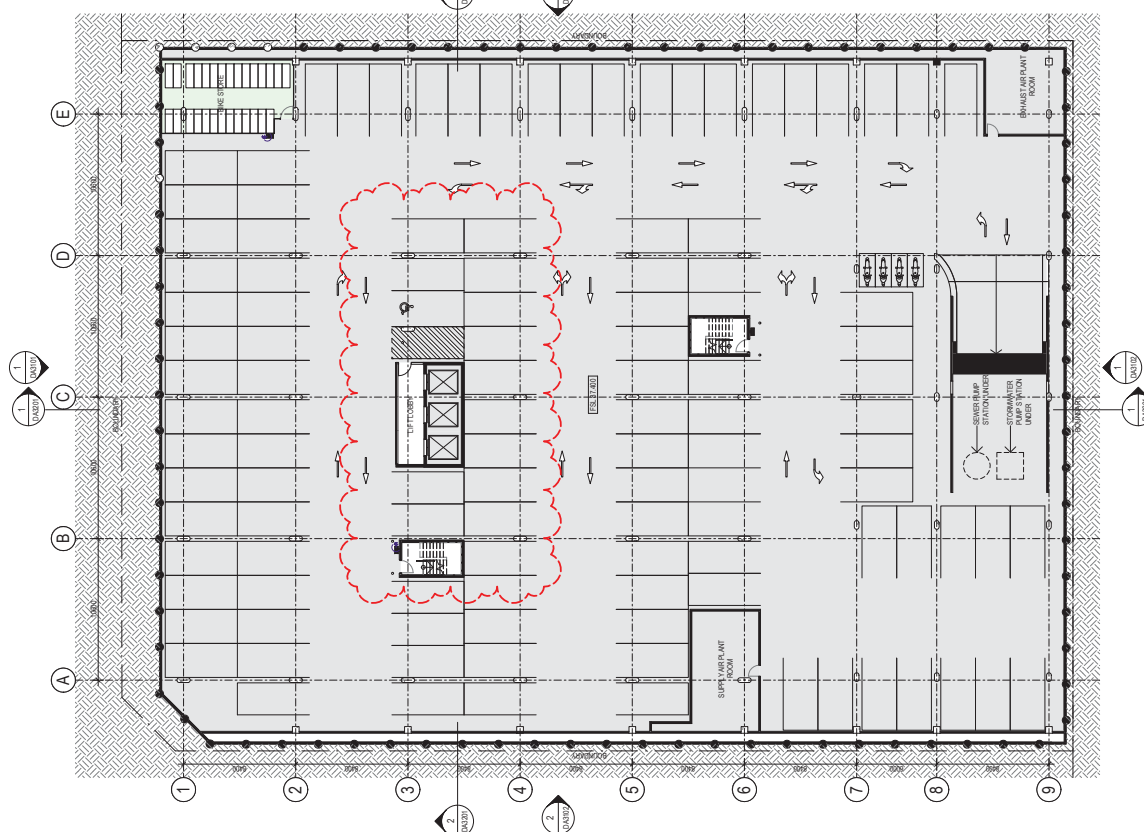
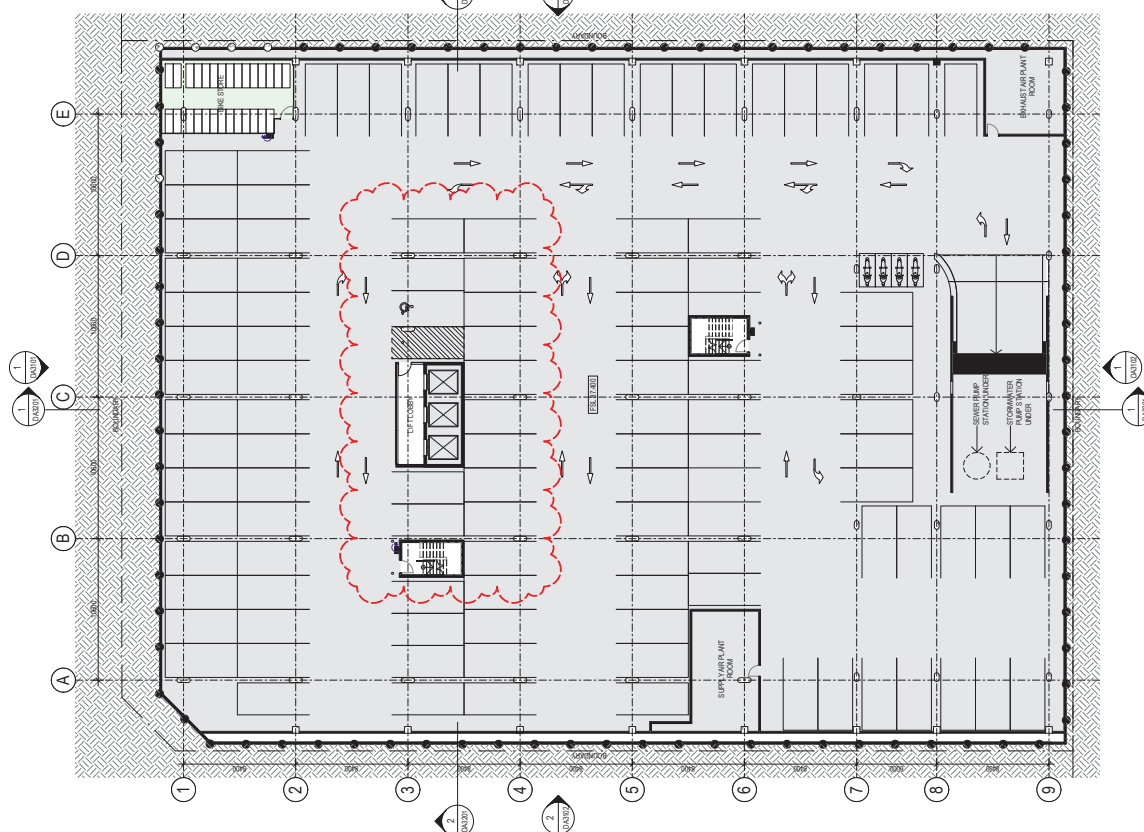
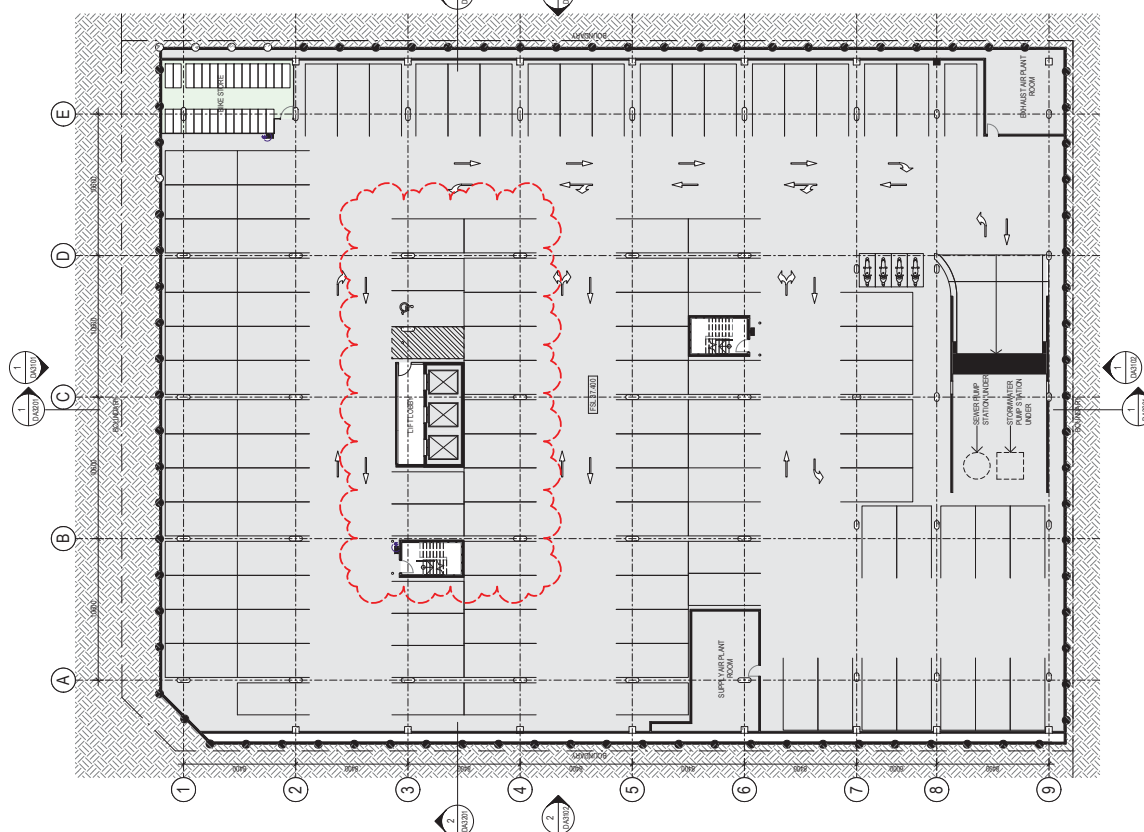
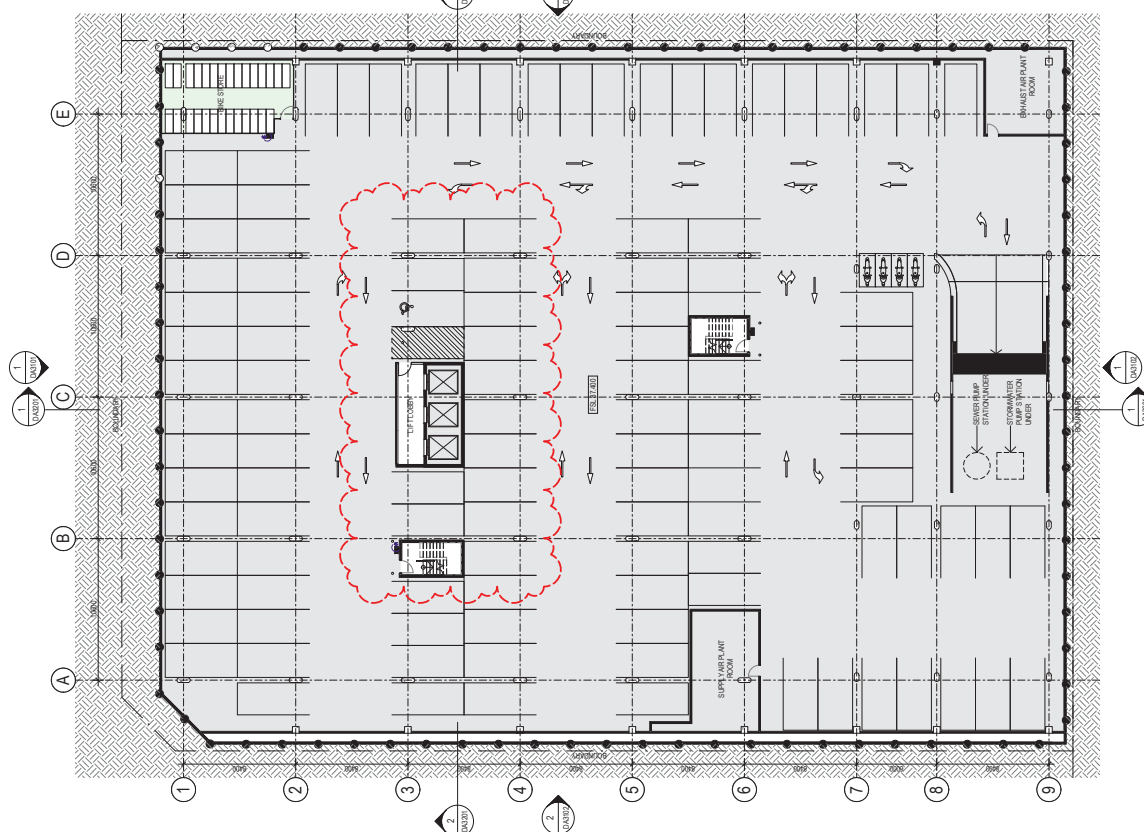
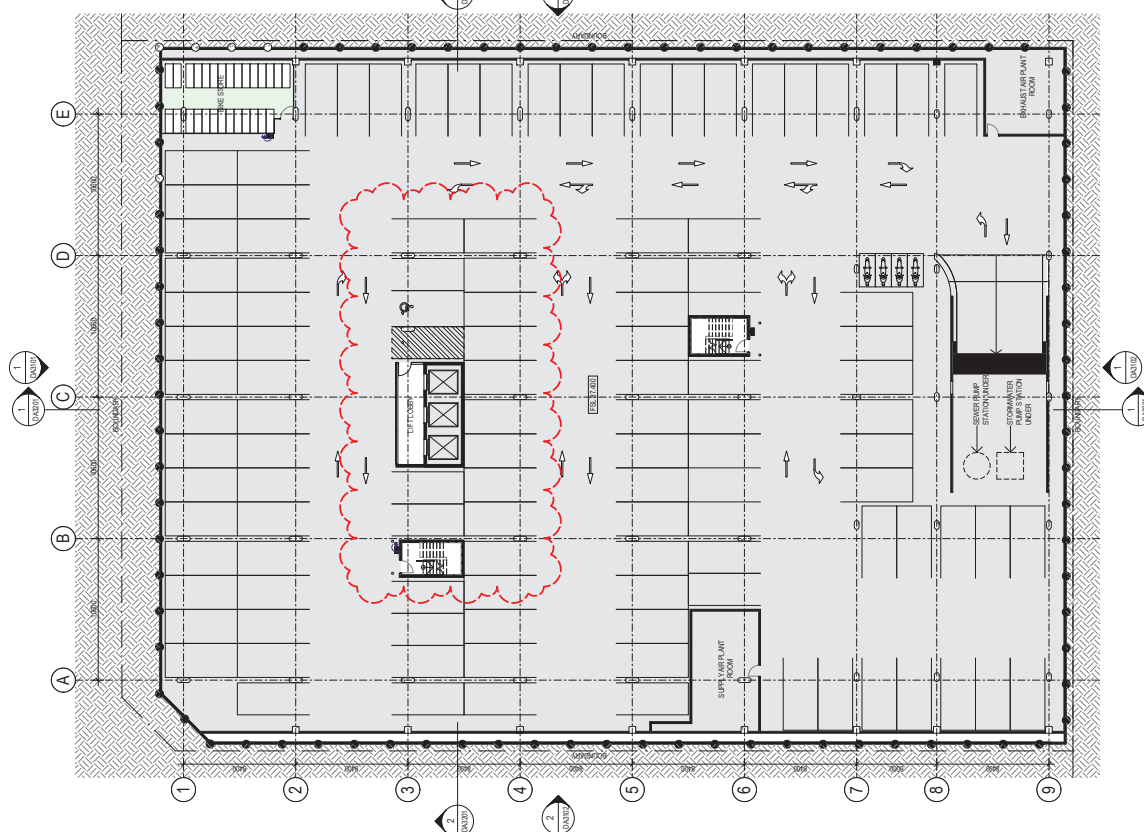
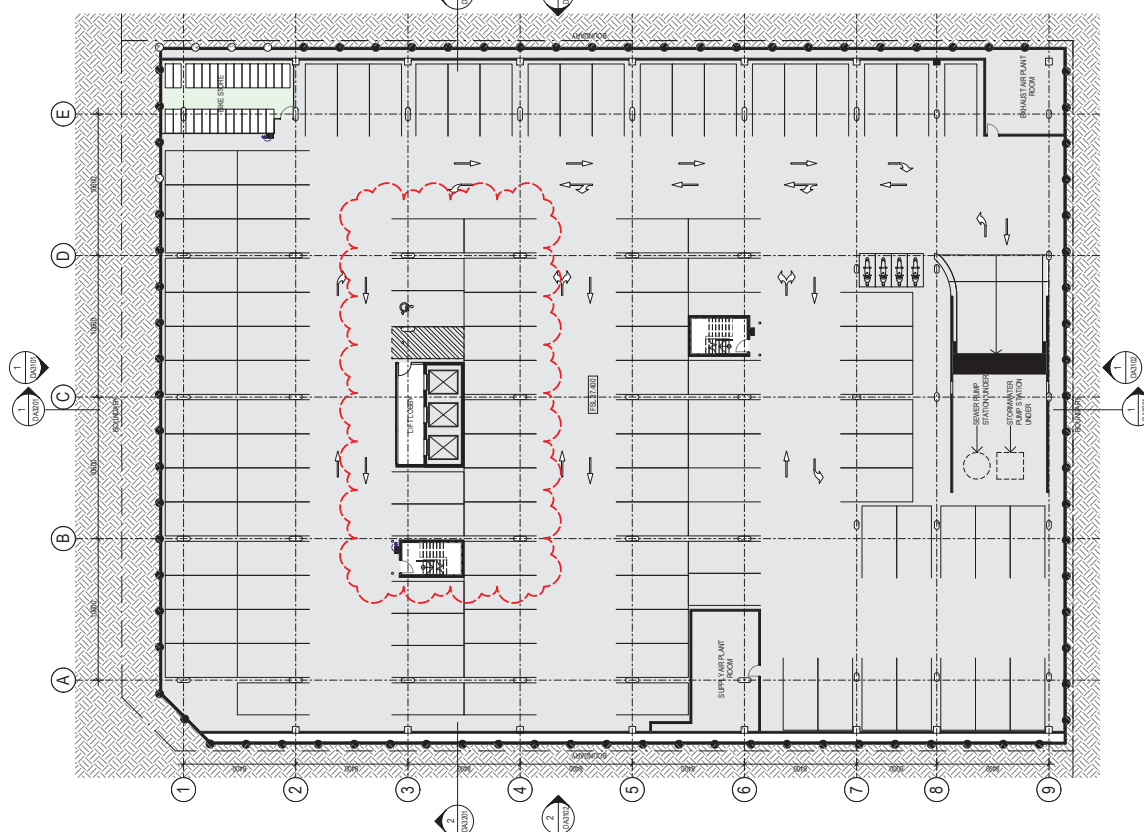
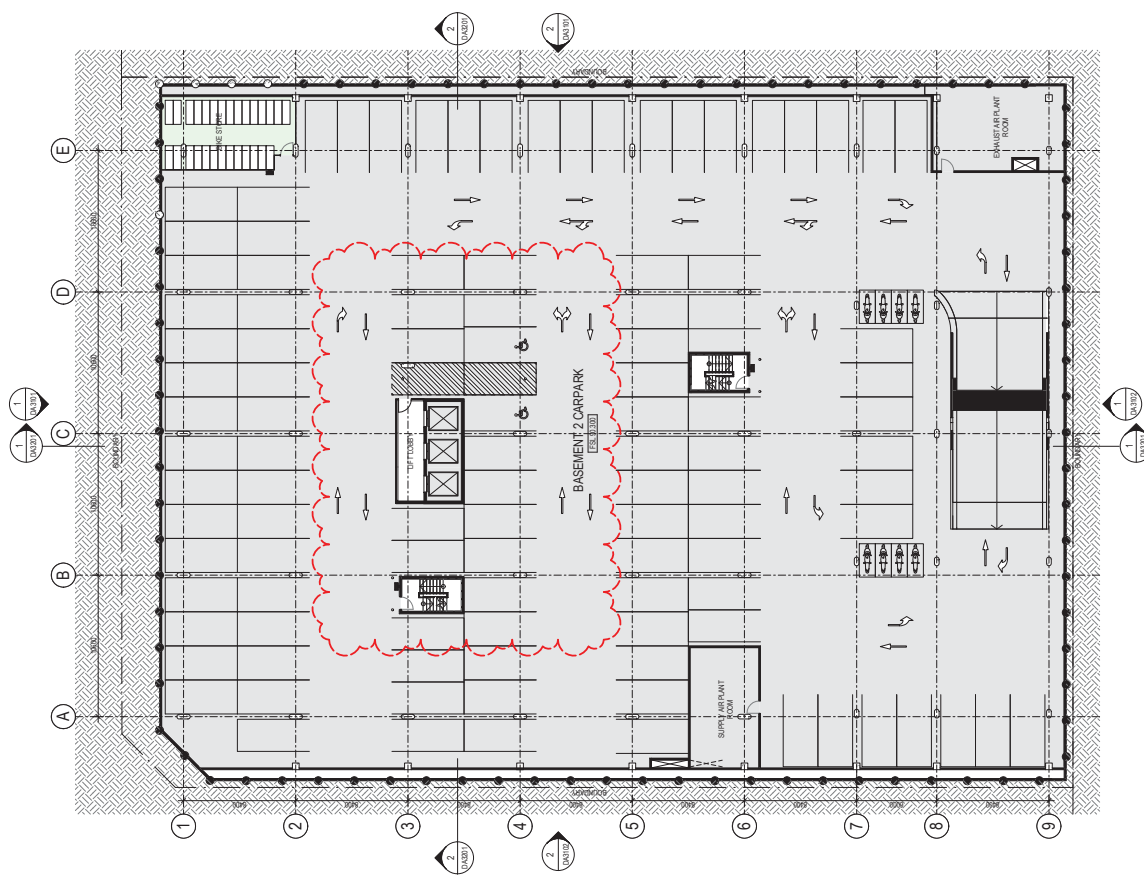
Proj. No. 16049

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Sheet Status
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Issue





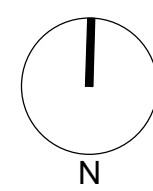
1 BASEMENT 1 PLAN 1:200

CAR PARKING COUNT:	82
ACCESSIBLE PARKING COUNT:	2
VISITOR PARKING COUNT:	15
MOTORBIKE PARKING COUNT:	8
BICYCLE PARKING COUNT:	0
TOTAL CAR PARKING COUNT:	314
TOTAL ACCESSIBLE PARKING COUNT:	5
TOTAL MOTORBIKE PARKING COUNT:	20
TOTAL BICYCLE PARKING COUNT:	56

NOTE: 05.04.18
CAR PARK AMENDMENTS / REVISIONS
MADE IN RESPONSE TO COUNCIL
REQUEST FOR ADDITIONAL
INFORMATION

Revisions No.	Date	Description
1	19/07/17	ISSUED FOR INFORMATION
2	01/08/17	ISSUED FOR INFORMATION
3	08/08/17	ISSUED FOR INFORMATION
4	28/08/17	ISSUED FOR INFORMATION
5	13/09/17	ISSUED FOR INFORMATION
6	25/09/17	ISSUED FOR INFORMATION
7	13/10/17	ISSUED FOR DA SIGNOFF
8	26/10/17	ISSUED FOR DA
9	21/02/18	REVISED DA - COUNCIL COMMENTS
10	05/04/18	REVISED DA - COUNCIL COMMENTS

Ver App'd



Key

Client
**GREENFIELDS DEVELOPMENT
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ABN 53 003 782 250

Project
ORAN PARK - TRANCHE 8
CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK

Proj. No. 16049

Drawing Title
BASEMENT 1 PLAN

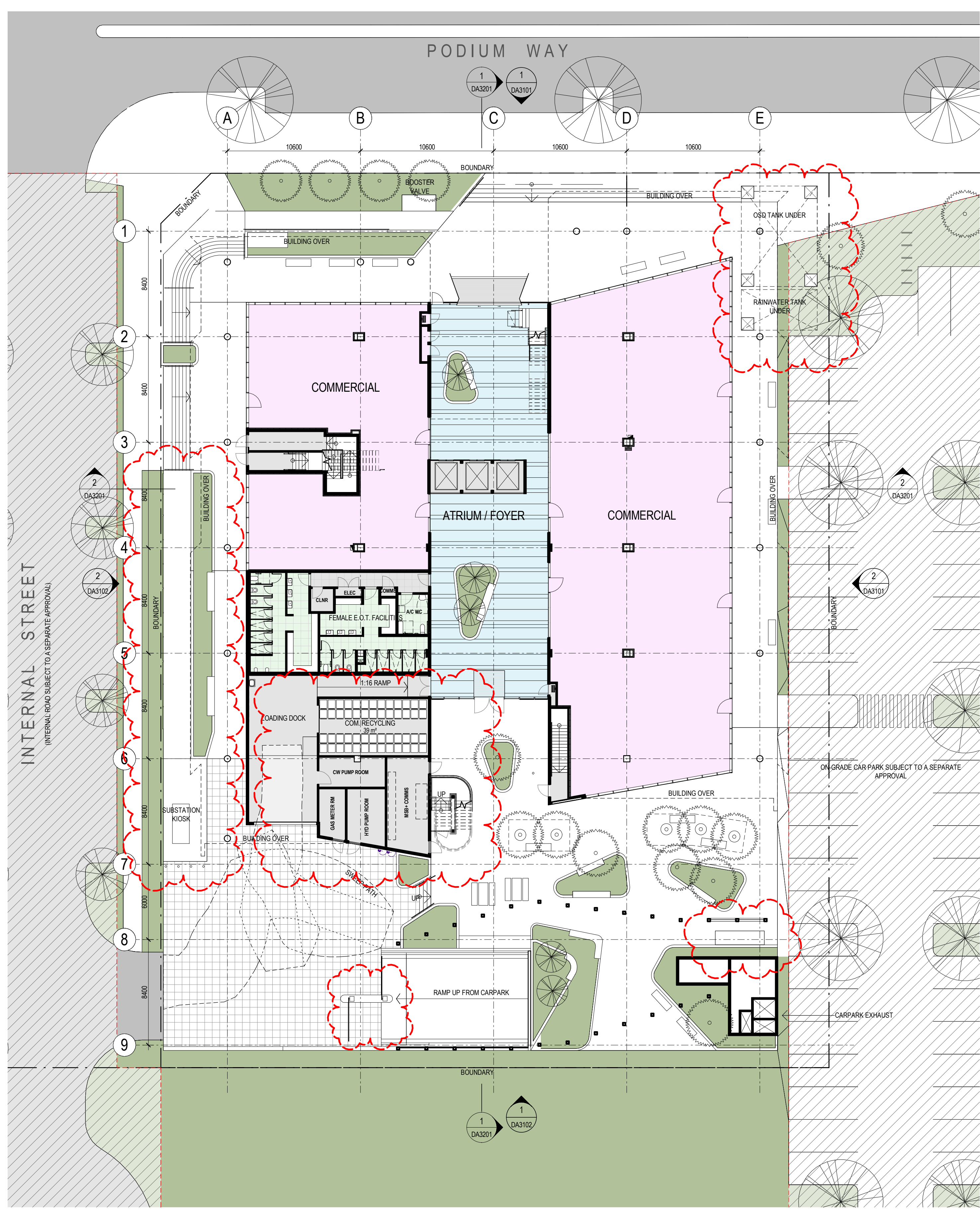
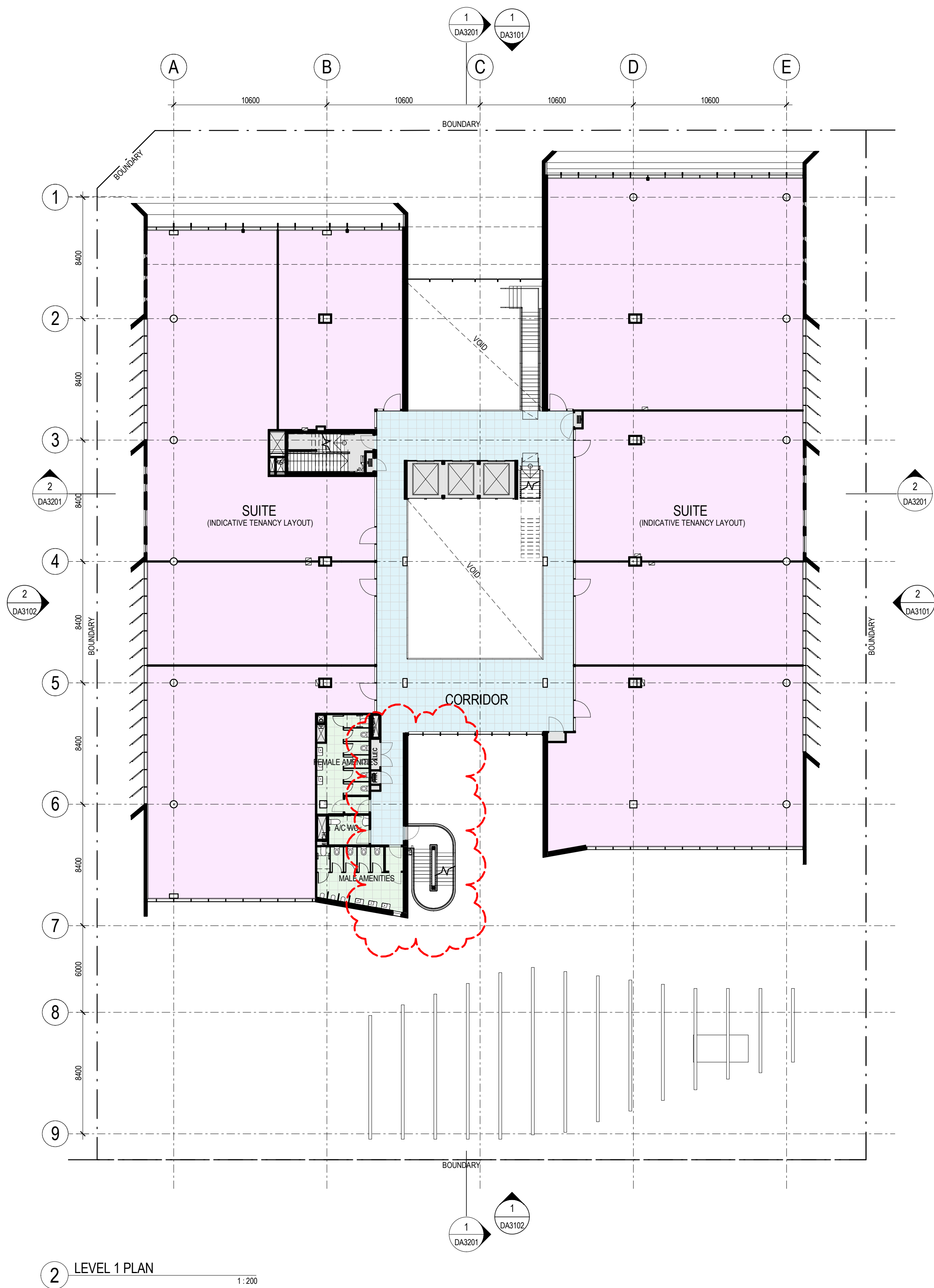
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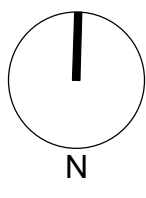
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Revisions No.	Date	Description	Ver	App'd
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2	01/08/17	ISSUED FOR INFORMATION		
3	08/08/17	ISSUED FOR INFORMATION		
4	28/08/17	ISSUED FOR INFORMATION		
5	13/09/17	ISSUED FOR INFORMATION		
6	25/09/17	ISSUED FOR INFORMATION		
7	13/10/17	ISSUED FOR DA SIGNOFF		
8	26/10/17	ISSUED FOR DA		
9	05/04/18	REVISED DA - COUNCIL COMMENTS		



Client
GREENFIELDS DEVELOPMENT COMPANY

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ABN 53 003 782 250

Project
ORAN PARK - TRANCHE 8
CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK
Proj. No. 16049

Drawing Title
GROUND LEVEL AND LEVEL 1 PLANS
Sheet Status
NOT FOR CONSTRUCTION

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Ver App'd

Client	
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AJ+C
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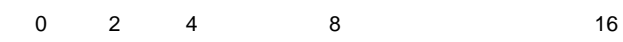
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Proj. No. 16049

Drawing Title

Sheet Status

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Ver App'd

Client	
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ALLEN JACK+COTTIER

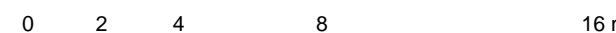
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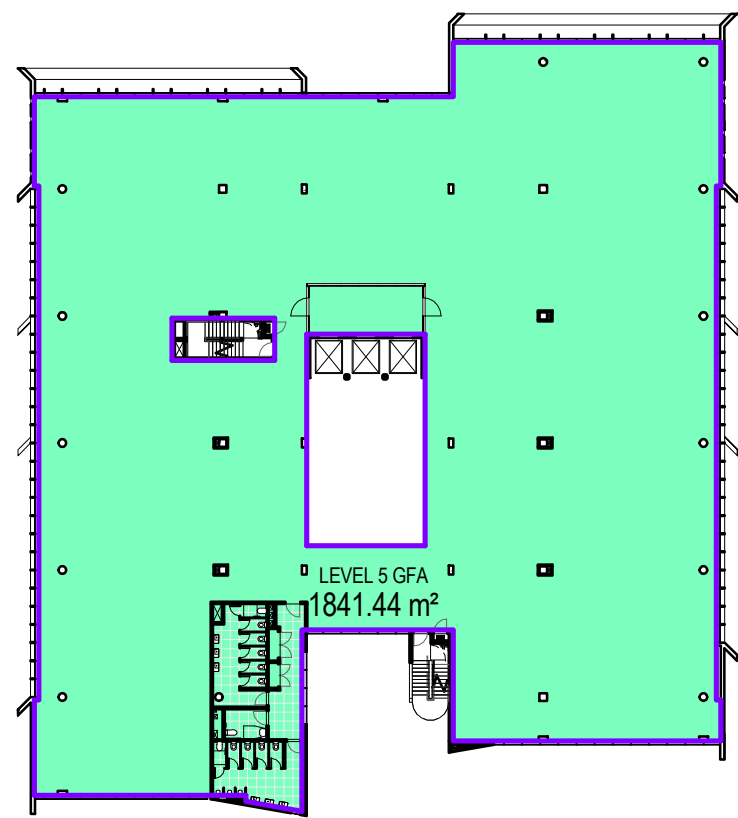
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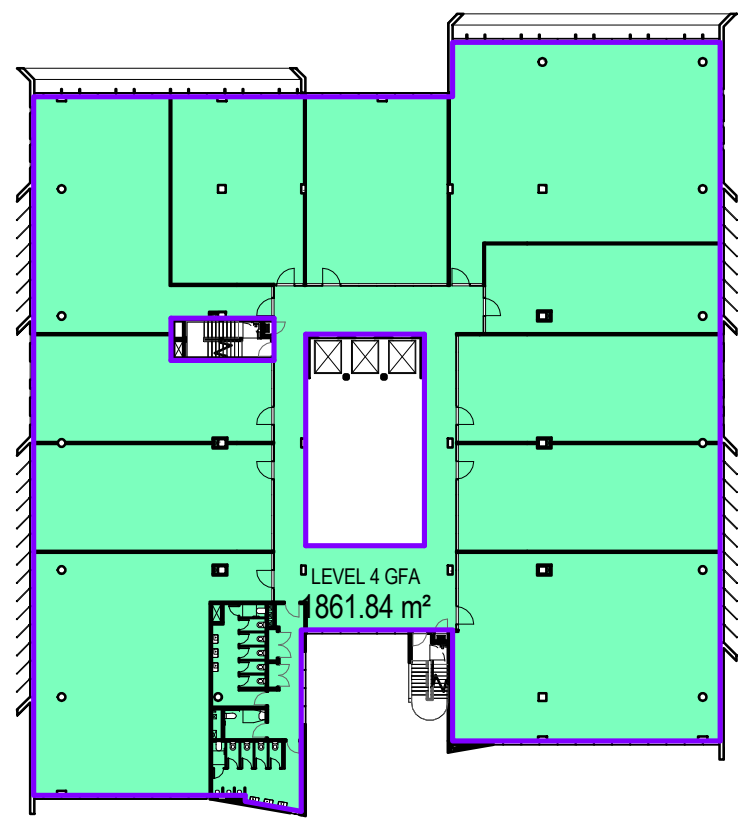
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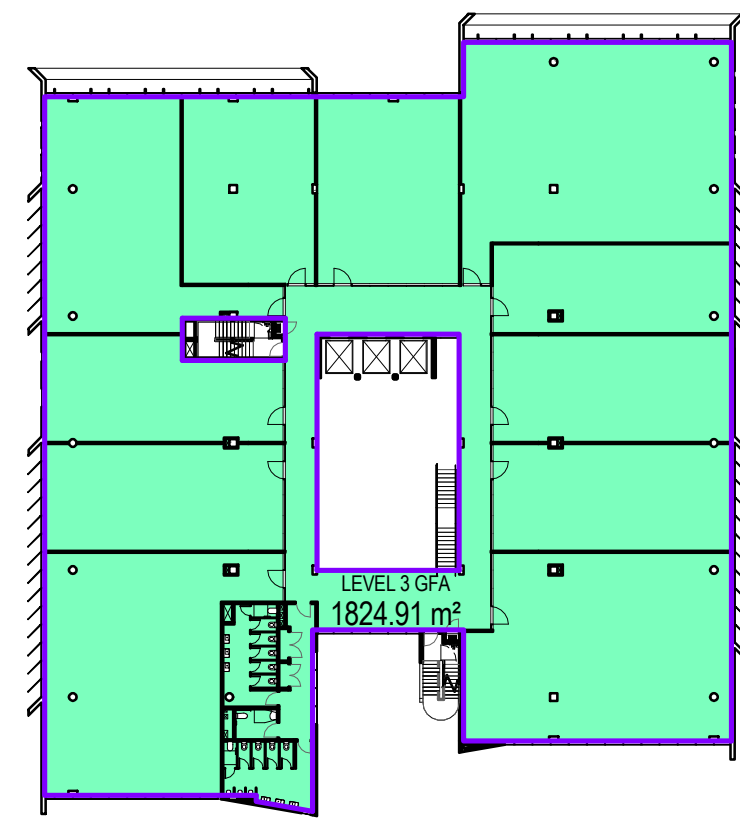




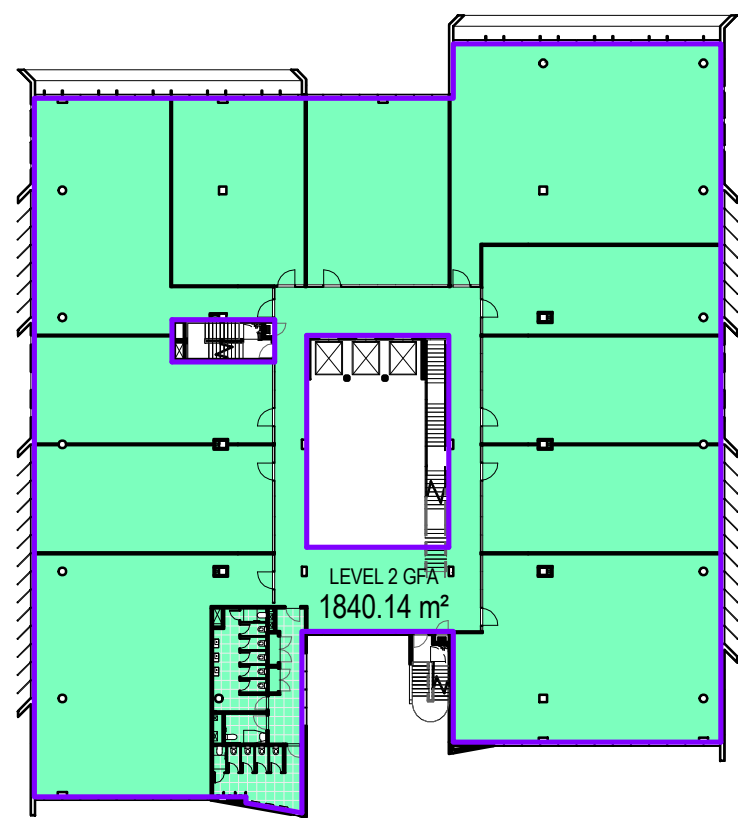
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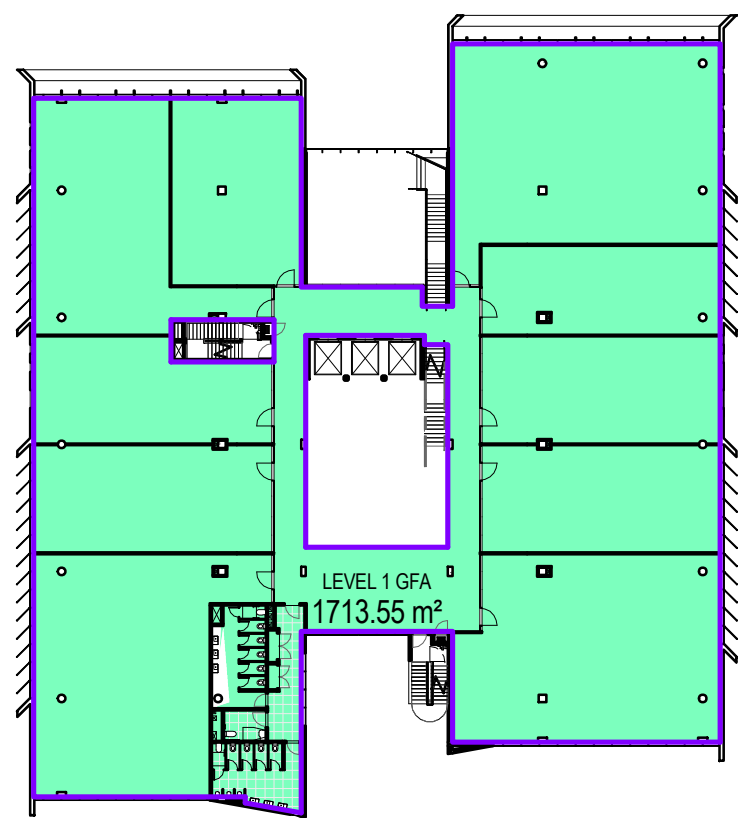
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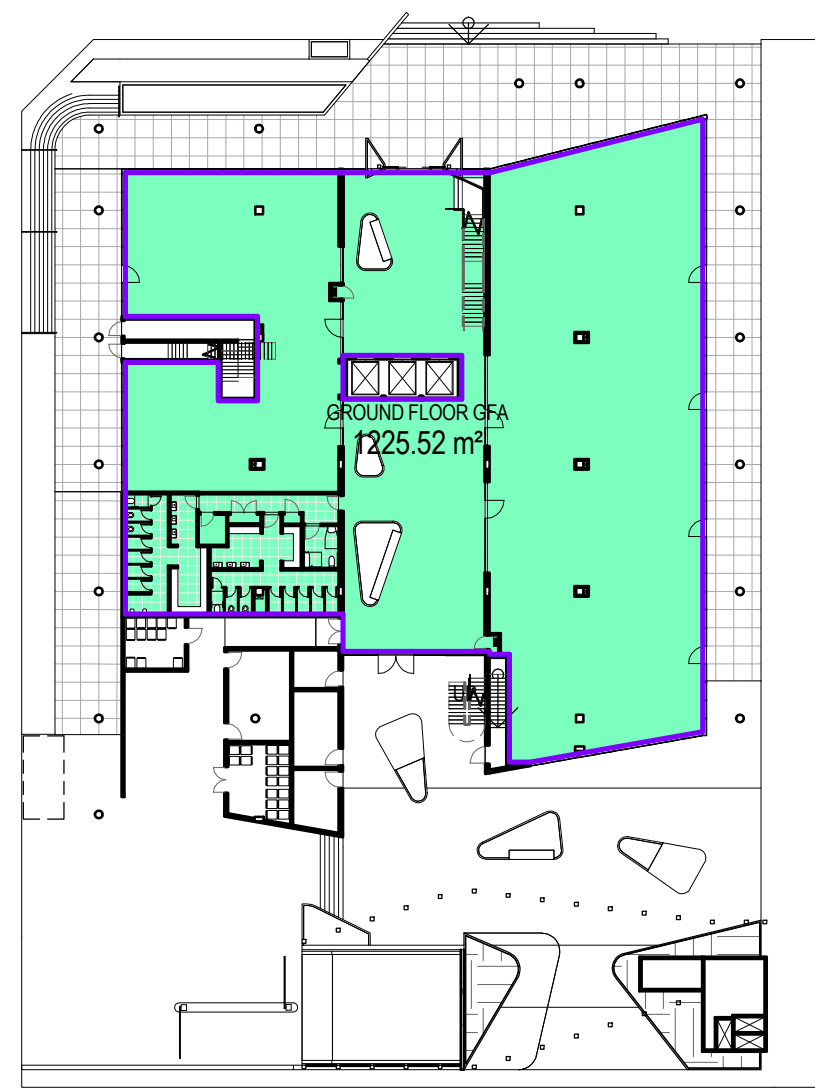
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3 LEVEL 2 GFA 1:500



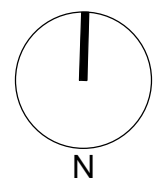
2 LEVEL 1 GFA 1:500



1 GROUND LEVEL GFA 1:500

GROSS FLOOR AREA (GFA)	
Name	Area
GROUND FLOOR GFA	1226 m²
LEVEL 1 GFA	1714 m²
LEVEL 2 GFA	1840 m²
LEVEL 3 GFA	1825 m²
LEVEL 4 GFA	1862 m²
LEVEL 5 GFA	1841 m²
Grand total	10307 m²

Revisions No.	Date	Description	Ver	App'd
1	25/09/17	ISSUED FOR INFORMATION		
2	13/10/17	ISSUED FOR DA SIGNOFF		
3	29/10/17	ISSUED FOR DA		



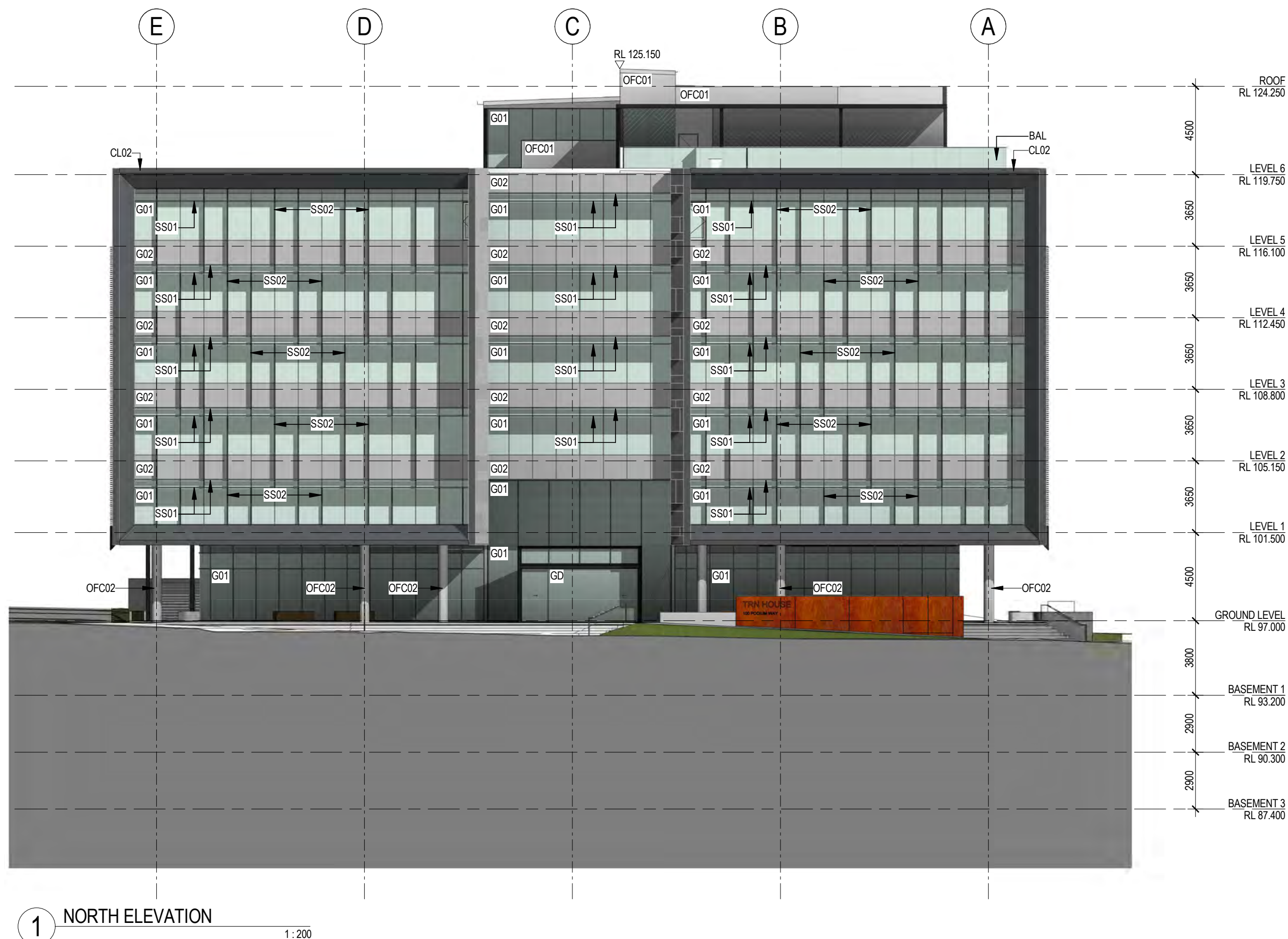
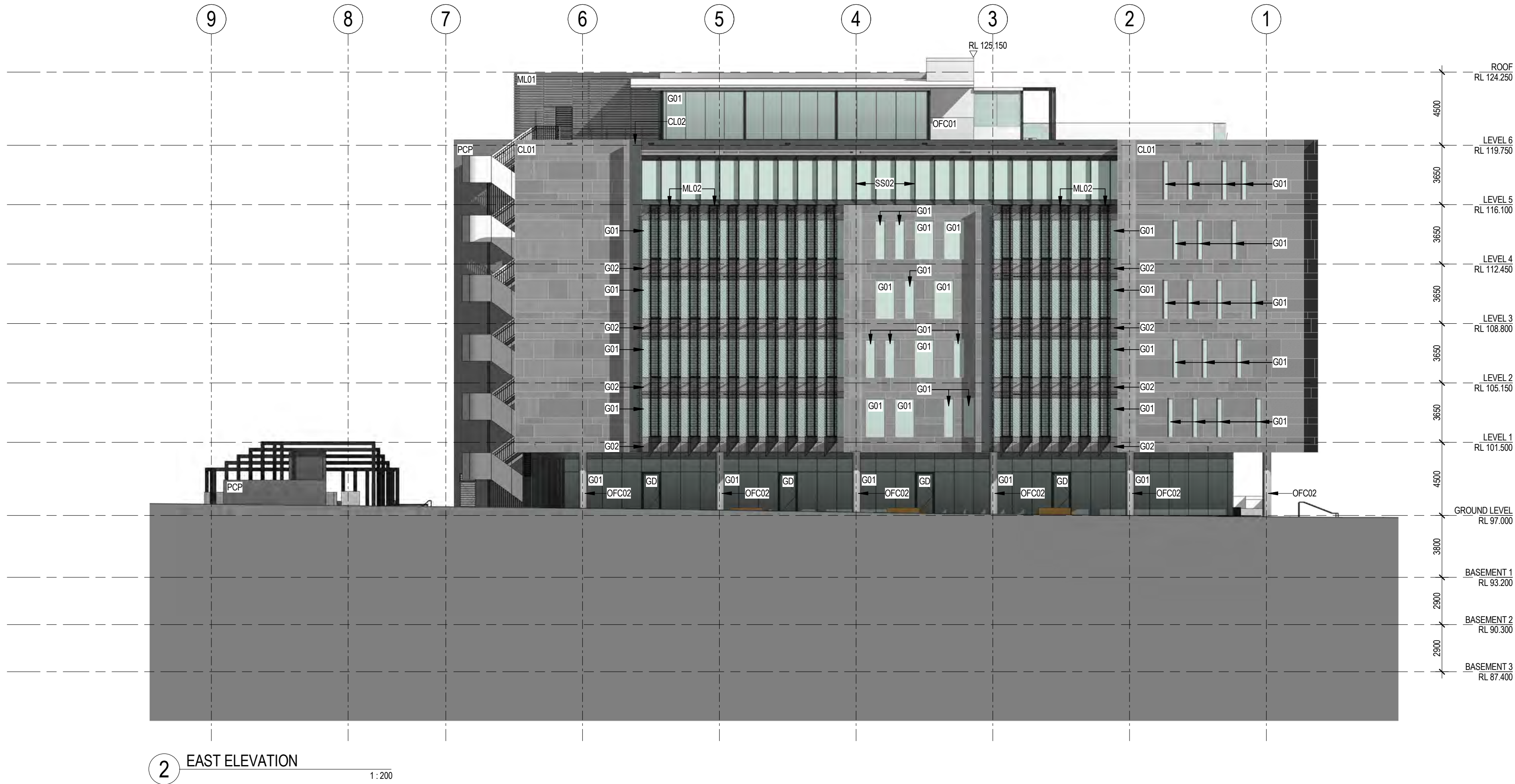
Client
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ABN 53 003 782 250


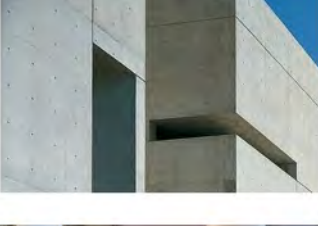
Project
ORAN PARK - TRANCHE 8
CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK
Proj. No. 16049

Drawing Title
**AREA CALCULATIONS -
GFA**
Sheet Status
NOT FOR CONSTRUCTION

Scale
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Drawing No.
DA2801 3
Issue
0 5 10 20 40 m



MATERIAL LEGEND

INDICATIVE MATERIAL EXAMPLE	MATERIAL CODE	MATERIAL DESCRIPTION
	BAL	FRAMELESS GLASS BALUSTRADE
	CL01	CLADDING TYPE 01 (FIBRE CEMENT CLADDING)
	CL02	CLADDING TYPE 02 (FULLY NON-COMBUSTIBLE METAL CLADDING)
	G01	ALUMINIUM FRAMED VISION GLASS
	G02	ALUMINIUM FRAMED OPAQUE GLAZING (SPANDREL)
	GD	GLAZED ENTRY DOOR
	ML01	METAL LOUVRE (PLANT)
	ML02	METAL LOUVRE PANEL (SOLAR SHADING)
	OFC 01	OFF-FORM CONCRETE
	OFC02	OFF-WHITE CONCRETE RENDER (CLASS 1)
	PCP	PRECAST CONCRETE PANEL
	SS01	HORIZONTAL SUN SHELF
	SS02	VERTICAL SOLAR SHADING

Revisions No.	Date	Description	Ver	App'd
1	28/08/17	ISSUED FOR INFORMATION		
2	13/09/17	ISSUED FOR INFORMATION		
3	13/10/17	ISSUED FOR DA SIGNOFF		
4	26/10/17	ISSUED FOR DA		
5	05/04/18	REVISED DA - COUNCIL COMMENTS		

Client
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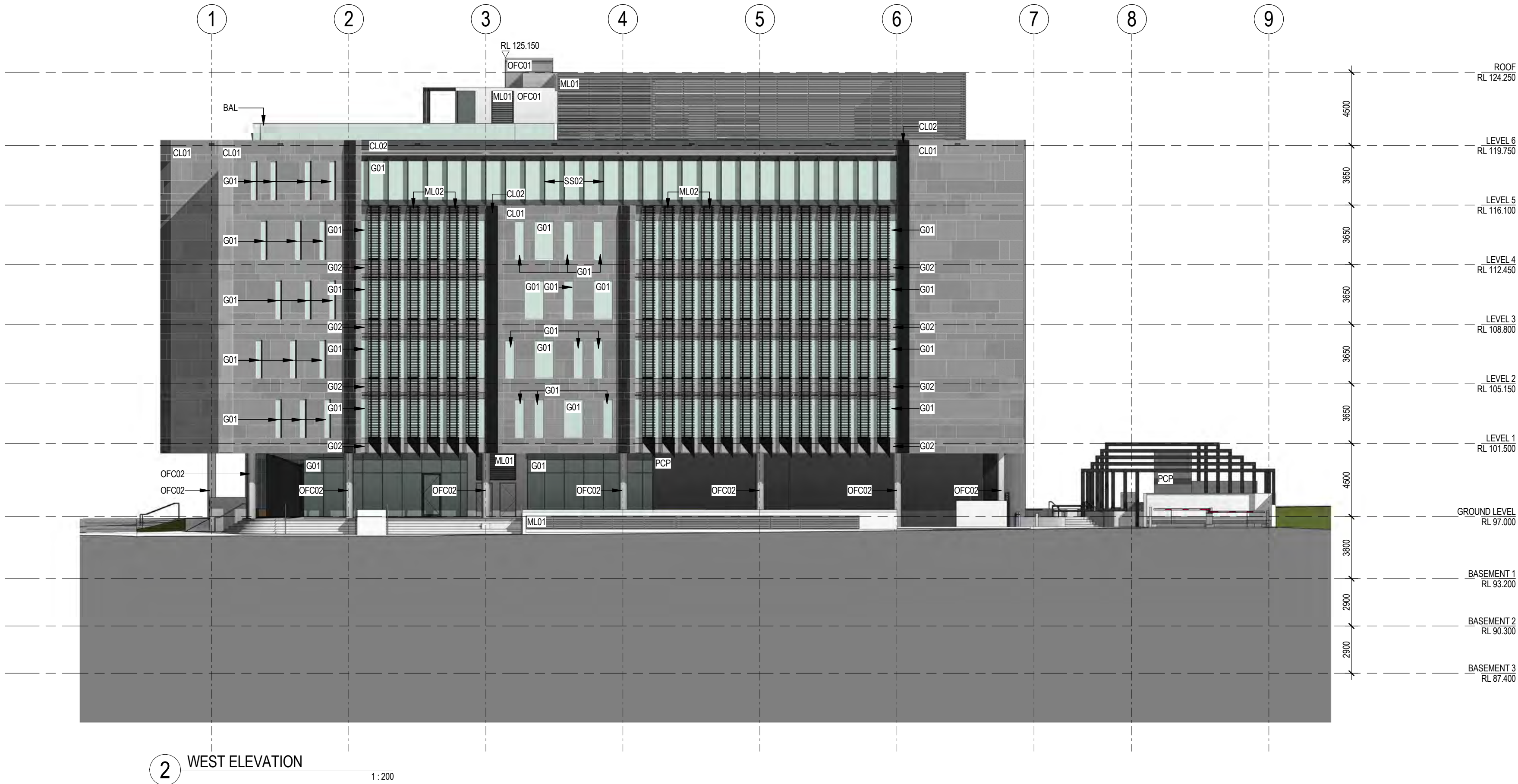
Project
ORAN PARK - TRANCHE 8
CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK

Drawing Title
ELEVATIONS - SHEET 1


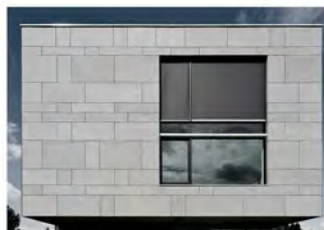




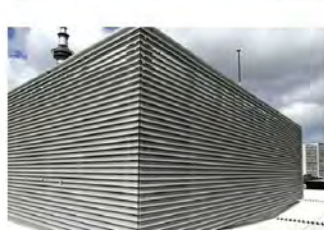


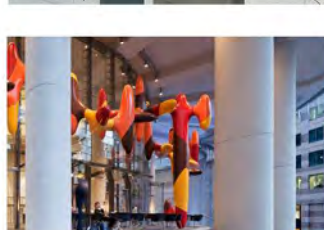



Sheet Status
NOT FOR CONSTRUCTION

Scale
As indicated
@A1
Drawing No.
DA3101 5
Issue





MATERIAL LEGEND

INDICATIVE MATERIAL EXAMPLE	MATERIAL CODE	MATERIAL DESCRIPTION
	BAL	FRAMELESS GLASS BALUSTRADE
	CL01	CLADDING TYPE 01 (FIBRE CEMENT CLADDING)
	CL02	CLADDING TYPE 02 (FULLY NON-COMBUSTIBLE METAL CLADDING)
	G01	ALUMINIUM FRAMED VISION GLASS
	G02	ALUMINIUM FRAMED OPAQUE GLAZING (SPANDREL)
	GD	GLAZED ENTRY DOOR
	ML01	METAL LOUVRE (PLANT)
	ML02	METAL LOUVRE PANEL (SOLAR SHADING)
	OFC 01	OFF-FORM CONCRETE
	OFC02	OFF-WHITE CONCRETE RENDER (CLASS 1)
	PCP	PRECAST CONCRETE PANEL
	SS01	HORIZONTAL SUN SHELF
	SS02	VERTICAL SOLAR SHADING

Revisions No.	Date	Description	Ver	App'd
1	13/10/17	ISSUED FOR DA SIGNOFF		
2	26/10/17	ISSUED FOR DA		
3	05/04/18	REVISED DA - COUNCIL COMMENTS		

Key

Client
GREENFIELDS DEVELOPMENT COMPANY

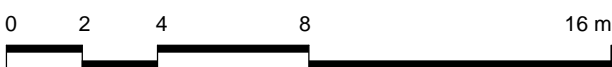
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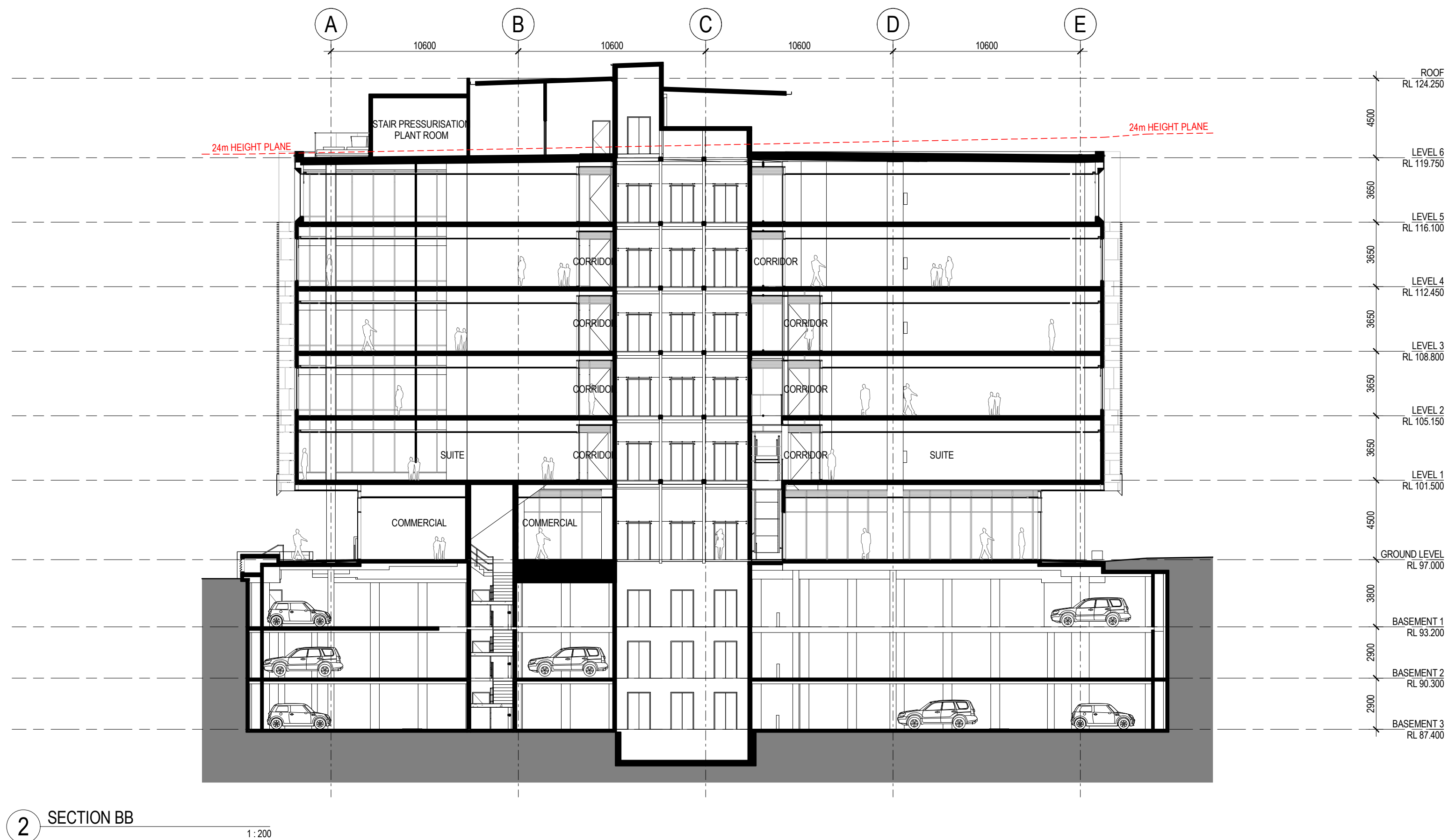
Project
ORAN PARK - TRANCHE 8
CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK

Drawing Title
ELEVATIONS - SHEET 2

Sheet Status
NOT FOR CONSTRUCTION

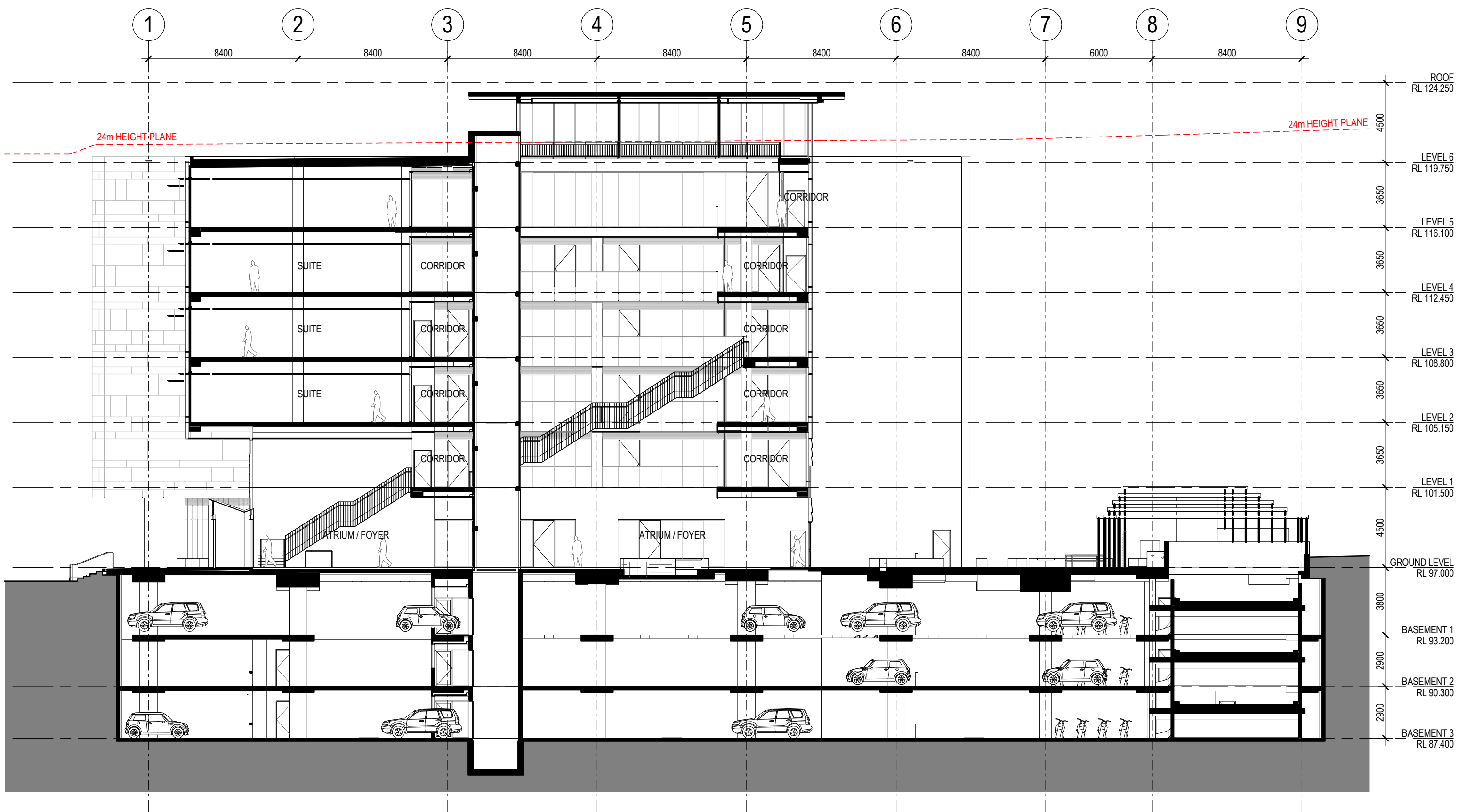
Scale
As indicated @A1
Drawing No.
DA3102 3
Issue





2 SECTION BB

1:200



1 SECTION AA

1:200

Revisions No.	Date	Description
1	19/07/17	ISSUED FOR INFORMATION
2	01/08/17	ISSUED FOR INFORMATION
3	08/08/17	ISSUED FOR INFORMATION
4	28/08/17	ISSUED FOR INFORMATION
5	13/09/17	ISSUED FOR INFORMATION
6	25/09/17	ISSUED FOR INFORMATION
7	13/10/17	ISSUED FOR DA SIGNOFF
8	26/10/17	ISSUED FOR DA
9	05/04/18	REVISED DA - COUNCIL COMMENTS

Ver App'd

Key

Client

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Project

ORAN PARK - TRANCHE 8
CNR ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK

Proj. No. 16049

Drawing Title

SECTIONS

Sheet Status
NOT FOR CONSTRUCTION

Scale

1 : 200 @ A1

Drawing No.

DA3201 9

Issue





PERSPECTIVE VIEW - NORTH FACADE



SECTIONAL PERSPECTIVE

Revisions No. Date	Description	Ver	App'd	Key	Client	Architect	Project	Drawing Title	Scale	Drawing No.	Issue
1 19/07/17	ISSUED FOR INFORMATION				GREENFIELDS DEVELOPMENT COMPANY	AJ+C ALLEN JACK+COTTIER 79 Myrtle Street Chippendale NSW 2008 AUSTRALIA ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250	ORAN PARK - TRANCHE 8 CNR ORAN PARK DRIVE & PETER BROCK DRIVE ORAN PARK	PERSPECTIVES - SHEET 1	@A1	DA3901	3
2 28/08/17	ISSUED FOR INFORMATION							Sheet Status			
3 29/10/17	ISSUED FOR DA						Proj. No. 16049	NOT FOR CONSTRUCTION			



20170126: LANDSCAPE
ARCHITECTURAL DRAWING LIST

Sheet Number	Sheet Name	Revision
LD-DA100	COVER SHEET	3
LD-DA101	SITE PLAN	3
LD-DA102	GROUND LEVEL - DETAIL PLAN	3
LD-DA110	LEVEL 6 ROOF TERRACE	3

* PLEASE NOTE PLANS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DA DESIGN REPORT PREPARED BY SCOTT CARVER

20170126-LR-DA100 [1]

NOTE:

- DO NOT SCALE FROM DRAWINGS. WRITTEN DIMENSIONS GOVERN. IF IN DOUBT OBTAIN WRITTEN ADVICE FROM SCOTT CARVER OR WHERE APPLICABLE VIA THE PRINCIPAL'S REPRESENTATIVE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ALL DIMENSIONS ARE MINIMUM SETTING OUT REQUIREMENTS.
- ALL DIMENSIONS SHOULD BE VERIFIED ON SITE PRIOR TO PROCEEDING WITH THE WORKS. NOTIFY THE PRINCIPALS REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES.
- ALL ARCHITECTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH RELEVANT CONTRACTS, ARCHITECTURAL REPORTS, SCHEDULES AND SPECIFICATIONS AND ALL OTHER CONSULTANT / CONTRACT DOCUMENTATION. NOTIFY THE PRINCIPALS REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN DOCUMENTATION IN WRITING TO OBTAIN CLARIFICATION DIRECTION.
- INSTALLATION OF SYSTEMS AND PROPRIETARY PRODUCTS TO BE STRICTLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- ALL WORK TO COMPLY WITH THE NATIONAL CONSTRUCTION CODE INCLUDING RELEVANT AUSTRALIAN STANDARDS AND REQUIREMENTS OF THE BUILDING CODE OF AUSTRALIA AND AUSTRALIAN WORK HEALTH AND SAFETY LEGISLATION.
- DESIGN DRAWINGS ARE BASED ON SURVEY INFORMATION. PRIOR TO DETAILED DESIGN AND CONSTRUCTION, THE CONTRACTOR IS TO UNDERTAKE A FULL SURVEY TO VERIFY ALL DIMENSIONS AND CONFIRM LOCATION OF EXISTING

ORAN PARK - TRANCHE 8
COMMERCIAL

LANDSCAPE:
DEVELOPMENT APPLICATION

CORNER OF ORAN PARK DRIVE & PETER BROCK DRIVE
ORAN PARK

CLIENT
GREENFIELDS DEVELOPMENT COMPANY



CONTEXT MAP NTS

[Status]	FOR DA	
[Nom. Architect]	Esther Dickins RLA RUD #1053	
[File]	20170126-LD-DA100.DWG	
[Print Date]	22 February 2018	
History		
[Rev#]	[Description]	[Date]
A	DRAFT DA	24.10.2017
1	FOR DA	27.10.2017
2	FOR DA	12.02.2018
3	FOR DA	22.02.2018

History

[Rev#]	[Description]	[Date]
A	DRAFT DA	24.10.2017
1	FOR DA	27.10.2017
2	FOR DA	12.02.2018
3	FOR DA	22.02.2018

LEGEND:

- Site Boundary
- Extent of Public Landscape Works
- +88.50 Proposed nominal design levels: refer to civil engineers drawings
- Existing trees to be retained
- Existing trees to be relocated
- Relocated tree
- Proposed trees
- PA Planter areas (in Ground)
- PA1 Raised planter (800mm above slab level, 1200 soil depth)
- PA1 Planter area (finish flush with slab)
- TJ Turf
- TJA Turf (Artificial)
- P1 Paving Type 1: 1000 x 300 x 40mm 'Sesame Grey' exfoliated granite finish.
- P2 Paving Type 2: 400 x 400 x 40mm 'Raven Black' exfoliated granite finish.
- P3 Paving Type 3: 90 x 90 x 40mm 'Raven Black' natural split granite sett paving.
- P4 Paving Type 4: 150 x 150 x 40mm Black exfoliated basalt finish.
- P5 Paving Type 5: Reinforced charcoal coloured concrete with 600 x 600mm sawcuts.
- P6 Paving Type 6: Lightly washed plain concrete, 600mm wide.
- P7 Paving Type 7: Reinforced wet concrete saw cut and lightly washed.
- P8 Paving Type 8: Reinforced charcoal coloured concrete.
- P9 Paving Type 9: Stone tile with mixed sizes and tones to complement external paving.
- P10 Paving Type 10: Stone tile with mixed sizes 'Sesame' exfoliated granite finish.
- S1 Seat proprietary item. To Council Standards.
- S2 Custom seat built into raised planter
- S3 Custom deck seat built into planter
- S4 Feature sculptural seat with LED strip cowl lighting under. Off form honed coloured concrete as per library seat elements.
- ELF Existing Light Pole
- R1 Rubbish bin. To Council Standards.
- B1 Bike rack. To Council Standards.
- B2 Barbecue
- TG Tree grill in paving
- ET1 Pergola structure for shade and amenity and visually integrates car park ramp and service enclosures.



History

[Rev#]	[Description]	[Date]
A	DRAFT DA	24.10.2017
1	FOR DA	27.10.2017
2	FOR DA	12.02.2018
3	FOR DA	22.02.2018

LEGEND

- Site Boundary
- Extent of Public Landscape Works
- Proposed nominal design levels: refer to civil engineers drawings
- Existing trees to be retained
- Existing trees to be relocated
- Relocated tree
- Proposed trees
- Planter areas (in Ground)
- Raised planter (600mm above slab level, 1200 soil depth)
- Planter area (flush flush with slab)
- Turf
- Turf (Artificial)
- Paving Type 1: 1000 x 300 x 40mm 'Sesame Grey' polished granite finish.
- Paving Type 2: 400 x 400 x 40mm 'Raven Black' polished granite finish.
- Paving Type 3: 90 x 90 x 40mm 'Raven Black' natural split granite sett paving.
- Paving Type 4: 198 x 198 x 40mm Black polished basalt finish.
- Paving Type 5: Reinforced charcoal coloured concrete with 600 x 600mm sawcuts.
- Paving Type 6: Lightly washed plain concrete 600mm wide.
- Paving Type 7: Reinforced wet concrete saw cut and lightly washed.
- Paving Type 8: Reinforced charcoal coloured concrete.
- Paving Type 9: Stone tile with mixed sizes and tones to complement external paving.
- Paving Type 10: Stone tile with mixed sizes 'Sesame' polished granite finish.
- Seat proprietary item. To Council Standards.
- Custom seat built into raised planter
- Custom deck seat built into planter
- Feature sculptural seat with LED strip cove lighting under. Off form honed coloured concrete as per library seat elements.
- Existing Light Pole
- Rubbish bin. To Council Standards.
- Bike rack. To Council Standards.
- Barbecue
- Tree grill in paving
- Pergola structure for shade and amenity and visually integrates car park ramp and service enclosure.

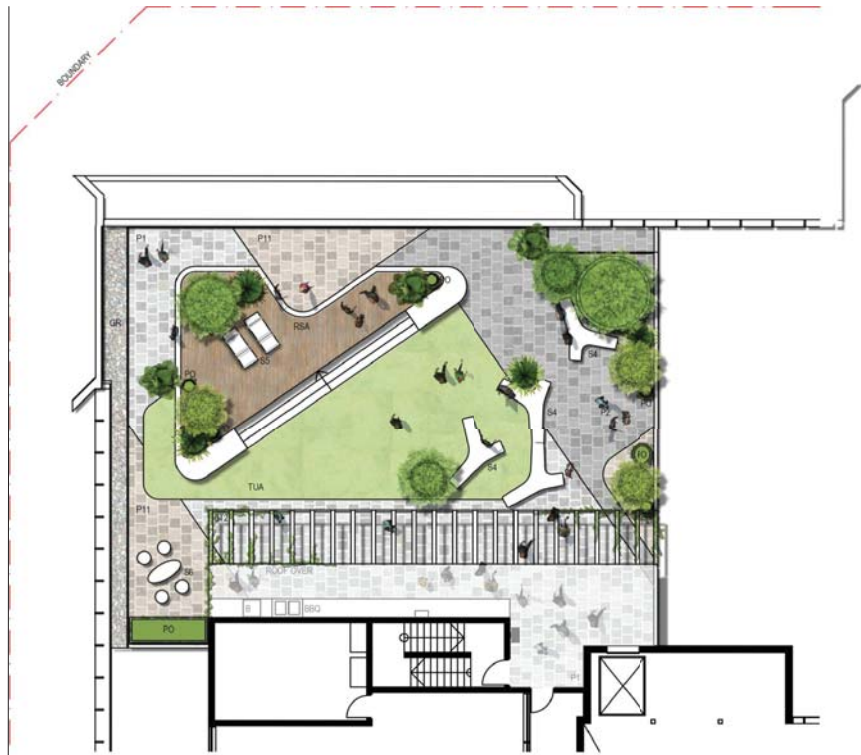


History

[Rev#]	[Description]	[Date]
A	DRAFT DA	24.10.2017
1	FOR DA	27.10.2017
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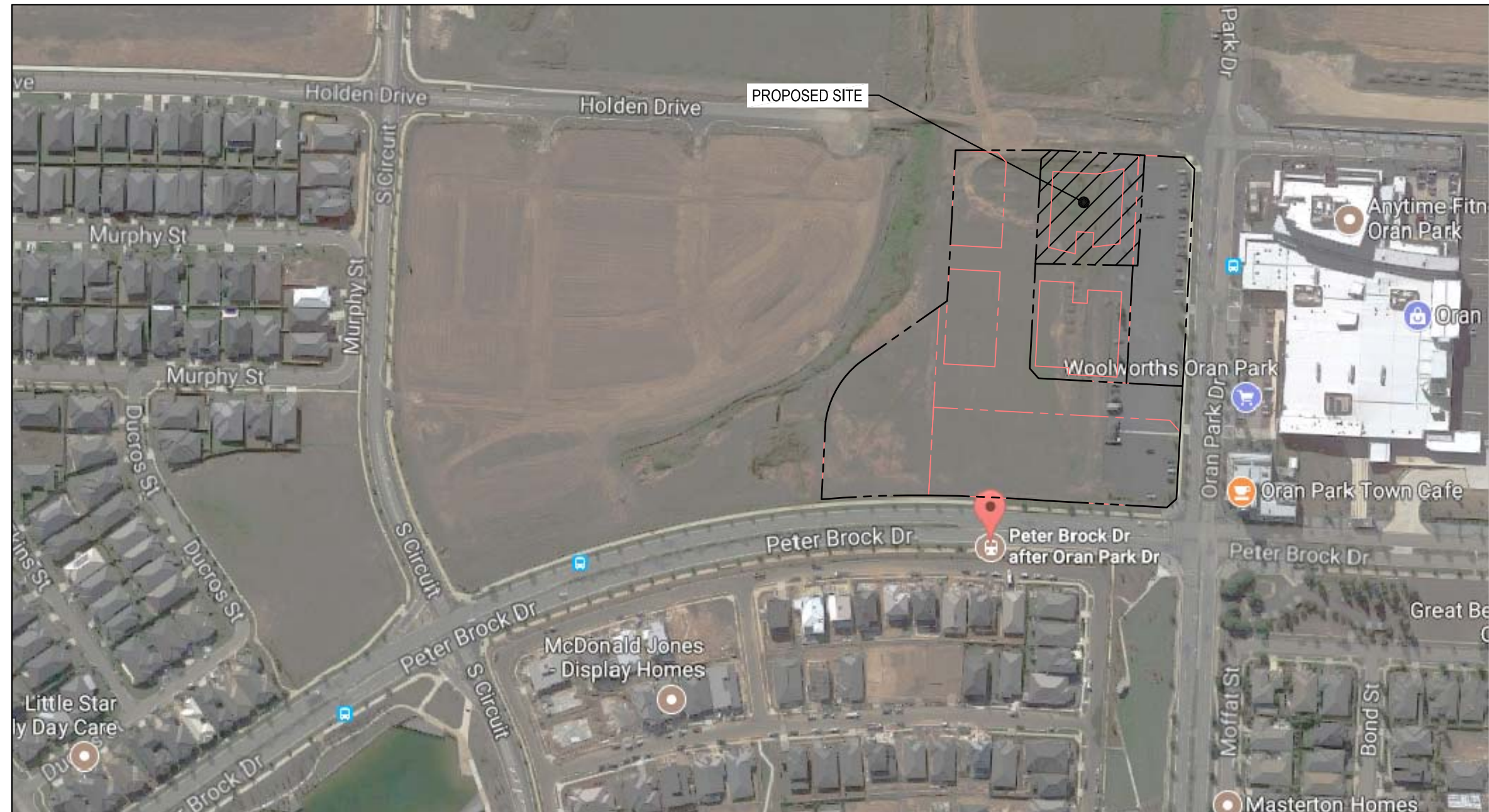
LEGEND:

- Site Boundary
- ST2 Pergola structure with climbers for summer shade
- BBQ serving bench and seating bar under cover of roof
- BSA Raised seating area with 600mm high insitu concrete edge wall providing informal seating and timber deck (or similar) infill
- PO Quatro GRC plant pots with lush planting
- TJA Turf (Artificial)
- P1 Paving Type 1: 1000 x 300 x 40mm 'Sesame Grey' polished granite finish, on poly pads
- P2 Paving Type 2: 400 x 400 x 40mm 'Raven Black' polished granite finish, on poly pads
- P10 Paving Type 11: 400 x 400 x 40mm 'Honey Asper' polished granite finish, on poly pads
- S4 Feature sculptural seat with LED strip cove lighting under. Off form poured coloured concrete as per library seat elements
- SS Fixed deck chair seat
- SR Fixed Quatro Pool stand and table setting
- BB Rubbish bin
- GR Gravel ballast



1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CAMDEN SHIRE COUNCIL'S SPECIFICATION. CONTRACTOR TO OBTAIN AND RETAIN A COPY ON SITE DURING THE COURSE OF THE WORKS.
2. ALL NEW WORKS ARE TO MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS AND MARRY IN A 'WORKMANLIKE' MANNER.
3. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL SERVICES WITH EACH RELEVANT AUTHORITY. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED BY THE CONTRACTOR OR THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY OR AS DETERMINED FROM SERVICE DIAGRAMS. HENRY AND HYMAS CONSULTING PTY. LTD. CANNOT GUARANTEE THE INFORMATION SHOWN NOR ACCEPT ANY RESPONSIBILITY FOR INACCURACIES OR INCOMPLETE DATA.
4. SERVICES & ACCESSSES TO THE EXISTING PROPERTIES ARE TO BE MAINTAINED IN WORKING ORDER AT ALL TIMES DURING CONSTRUCTION.
5. ADJUST EXISTING SERVICE COVERS TO SUIT NEW FINISHED LEVELS TO RELEVANT AUTHORITY REQUIREMENTS WHERE NECESSARY.
6. REINSTATE AND STABILISE ALL DISTURBED LANDSCAPED AREAS.
7. MINIMUM GRADE OF SUBSOIL SHALL BE 0.5% (1:200) FALL TO OUTLETS.
8. ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, EROSION AND SEDIMENTATION CONTROL PLAN AND CAMDEN SHIRE COUNCIL'S REQUIREMENTS WHERE APPLICABLE.
9. CONTRACTOR TO CHECK AND CONFIRM SITE DRAINAGE CONNECTIONS ACROSS THE VERGE PRIOR TO COMMENCEMENT OF SITE DRAINAGE WORKS.
10. PROPERTIES AFFECTED BY THE WORKS ARE TO BE NOTIFIED IN ADVANCE WHERE DISRUPTION TO EXISTING ACCESS IS LIKELY.

- DATUM : A.H.D.
- ORIGIN OF LEVELS : REFER TO BENCH OR STATE SURVEY MARKS WHERE SHOWN ON PLAN.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO THE COMMENCEMENT OF WORK.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE DIRECTIONS OF THE SUPERINTENDENT.
- EXISTING SERVICES UNLESS SHOWN ON THE SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SURVEY PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- WHERE NEW WORKS ABOUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS ACHIEVED.
- THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
- CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER TELSTRA OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
- CONTRACTOR TO OBTAIN AUTHORITY APPROVALS WHERE APPLICABLE.
- MAKE SMOOTH TRANSITION TO EXISTING SURFACES AND MAKE GOOD.
- THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING TO DEVELOPMENT AT THE SITE.
- TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN BITUMINOUS PAVING.
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.
- GRADES TO PAVEMENTS TO BE AS IMPLIED BY R/L'S ON PLAN. GRADE EVENLY BETWEEN NOMINATED R/L'S. AREAS EXHIBITING PONDING GREATER THAN 5mm DEPTH WILL NOT BE ACCEPTED UNLESS IN A DESIGNATED SAG POINT.
- ALL COVERS AND GRATES ETC TO EXISTING SERVICE UTILITIES ARE TO BE ADJUSTED TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.



DRAWING SCHEDULE	
17689a_DA_C000	COVER SHEET, DRAWING SCHEDULE, NOTES AND LOCALITY SKETCH
17689a_DA_C100	GENERAL ARRANGEMENT PLANS
17689a_DA_C101	DETAIL PLAN, SHEET 1 OF 2
17689a_DA_C102	DETAIL PLAN, SHEET 2 OF 2
17689a_DA_C110	DETAIL PLAN - BASEMENT LEVEL 1
17689a_DA_C120	DRIVEWAY SECTIONS
17689a_DA_C200	STORMWATER MISCELLANEOUS DETAILS AND PIT LID SCHEDULE
17689a_DA_C201	OSD PLAN, SECTIONS AND DETAILS
17689a_DA_C250	STORMWATER CATCHMENT PLANS
17689a_DA_SE01	SEDIMENT AND EROSION CONTROL PLAN
17689a_DA_SE02	SEDIMENT AND EROSION CONTROL DETAILS

1. ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.
3. PROTECTION OF PIPES DUE TO LOADS EXCEEDING W7 WHEEL LOAD SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
4. BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS. REFER TO THIS DRAWING FOR DETAILS.
5. MINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm.
6. NO CONSTRUCTION LOADS SHALL BE APPLIED TO PLASTIC PIPES.
7. FINISHED SURFACE LEVELS SHOWN ON LAYOUT PLAN DRGS TAKE PRECEDENCE OVER DESIGN DRAINAGE SURFACE LEVELS.
8. ALL PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SOLVENT OR RUBBER RING JOINTED PVC CLASS SH PIPE TO AS1260. ALL OTHER PIPES TO BE RCP USING CLASS 2 RUBBER RING JOINTED PIPE. HARDIES FRC PIPE MAY BE USED IN LIEU OF RCP IF DESIRED IN GROUND. ALL AERIAL PIPES TO BE PVC CLASS SH.
9. ALL PITS IN NON TRAFFICABLE AREAS TO BE PREFABRICATED POLYESTER CONCRETE "POLYCRETE" WITH "LIGHT DUTY" CLASS B GALV. MILD STEEL GRATING AND FRAME.
IF PITS IN TRAFFICABLE AREAS (CLASS "D" LOADING MAX) TO HAVE 150mm THICK CONCRETE WALLS AND BASE CAST IN-SITU f_{ck} 25 MPa, REINFORCED WITH N12-200 BOTH LOADING WAYS CENTRALLY PLACE, U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. GALV.MILD STEEL GRATING AND FRAME TO SUIT DESIGN LOADING, PRECAST PITS, RECTANGULAR OR CIRCULAR IN SHAPE, MAY BE USED IN LIEU AND SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.
10. ALL PITS, GRATINGS AND FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND TO BE IN ACCORDANCE WITH AS3500.3 AND AS3996.
11. PIT CHAMBER DIMENSIONS ARE TO BE SELECTED TO SATISFY THE FOLLOWING:
 - PIPE SIZE
 - DEPTH TO INVERT
 - SKEW ANGLEREFER TYPICAL PIT CHAMBER DETAILS BELOW
12. IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.
13. FOR PIPE SIZES GREATER THAN Ø300mm, PIT FLOOR IS TO BE BENCH TO FACILITATE FLOW.
14. GALVANISED STEP IRONS SHALL BE PROVIDED AT 300 CTS FOR PITS HAVING A DEPTH EXCEEDING 1200mm. SUBSOIL DRAINAGE PIPE SHALL BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES. (MINIMUM LENGTH 3m)
15. ALL SUBSOIL PIPES SHALL BE 100mm SLOTTED PVC IN A FILTER SOCK, UNO, WITH 3m INSTALLED UPSTREAM OF ALL PITS.
16. ALL PIPEWORK SHALL HAVE MINIMUM DIAMETER 100.
17. MINIMUM GRADE FOR ROOFWATER DRAINAGE LINES SHALL BE 1%.
18. ALL PIPE JUNCTIONS AND TAPER UP TO AND INCLUDING 300 DIA. SHALL BE VIA PURPOSE MADE FITTINGS.
19. ALL ROOF DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH AS3500, PART 3. TESTING TO BE UNDERTAKEN AND REPORTS PROVIDED TO THE SUPERINTENDENT.
20. LOCATION OF THE DIRECT DOWN PIPE CONNECTIONS MAY VARY ON SITE TO SUIT SITE CONDITIONS, WHERE CONNECTION SHOWN ON LONG SECTIONS CHANGES ARE INDICATIVE ONLY.
21. PITS IN EXCESS OF 1.5 m DEEP TO HAVE WALL AND FLOOR THICKNESS INCREASED TO 200mm, REINFORCED WITH N12@200 CTS CENTRALLY PLACED BOTH WAYS THROUGHOUT U.N.O.ON SEPARATE DESIGN DRAWINGS IN THIS SET. IF DEPTH EXCEEDS 5m CONTACT ENGINEER.
22. ALL STORMWATER PITS TO HAVE Ø100 uPVC SLOTTED SUBSOIL PIPES CONNECTED TO THEM. THESE SUBSOILS TO EXTEND 3m UPSTREAM OF THE PIT AT A MINIMUM GRADE.

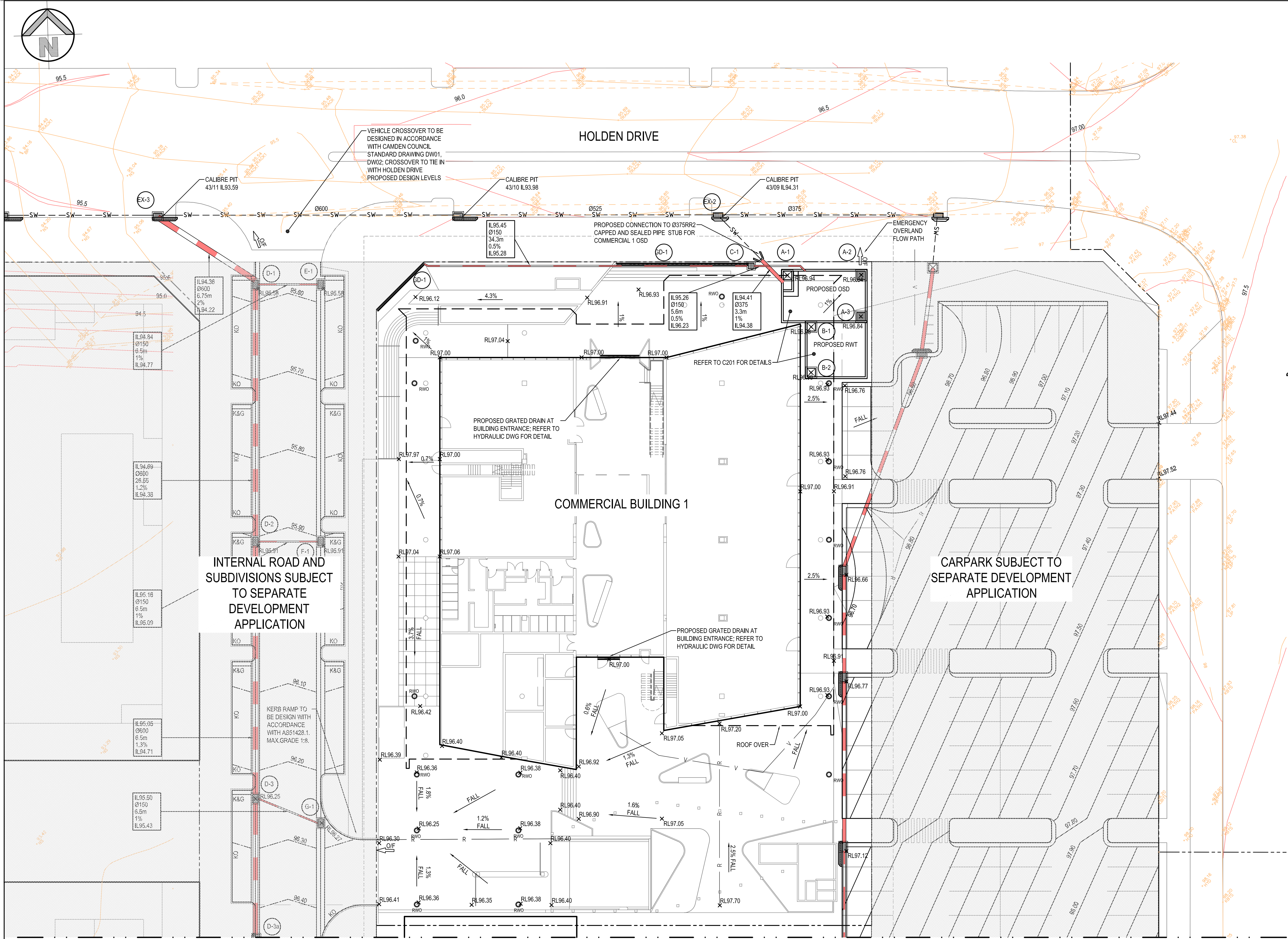
THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE SURVEYOR SPECIFIED IN THE TITLE BLOCK.

THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. HENRY AND HYMAS PTY. LTD. DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT HENRY AND HYMAS PTY. LTD. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM ORIGINAL SURVEY DOCUMENTS.

PRELIMINARY

[illegible]



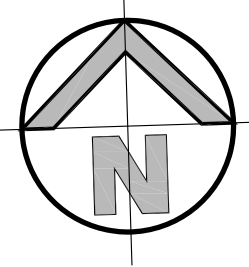
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SCALE: 1:200

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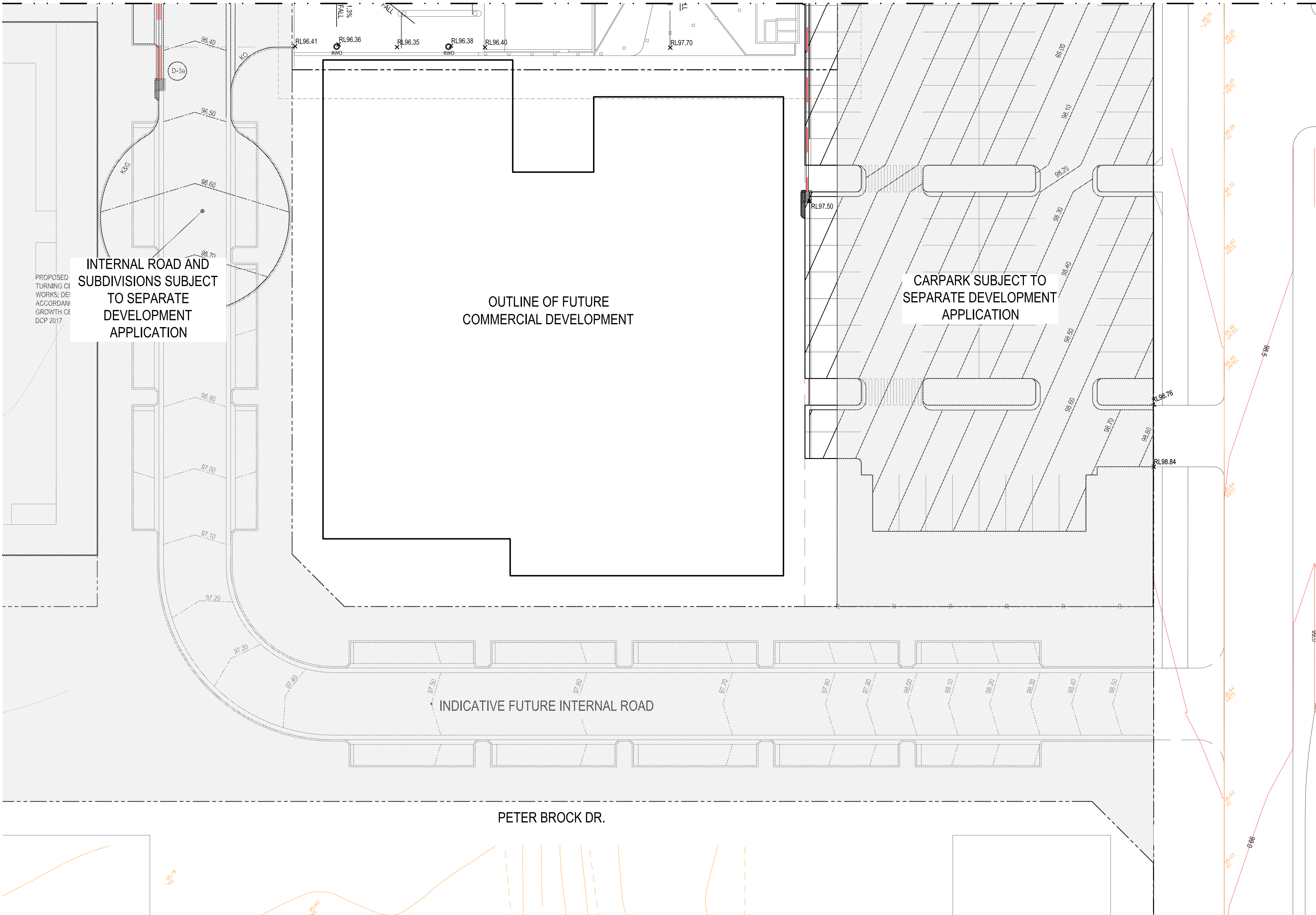
- ALL SURFACE INLET PITS TO BE FITTED WITH ENVIROPOD PIT BASKETS
- NO SUBSOIL DRAINAGE LINES FOR LANDSCAPE OR PAVEMENT AREAS HAVE NOT BEEN DOCUMENTED AT THE DA STAGE
- FOR PODIUM DRAINAGE DESIGN DETAIL REFER TO HYDRAULIC CONSULTANT DWG BY INSYNC SERVICES

PRELIMINARY

Drawn M.Cerna	Designed J.Gornly	Date AUG 2017
Checked A.Francis	Approved A.Francis	Scale 1:200 @A1
Drawing number 17689a_DA_C101		Revision 01



FOR CONTINUATION REFER TO DWG 17689_DA_C101

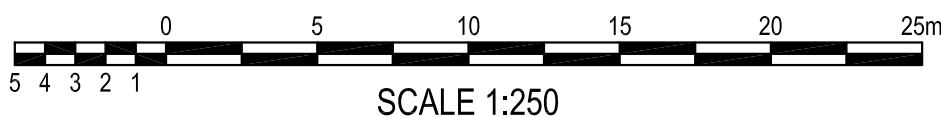


LEGEND

- PROPOSED BOUNDARY
- BUILDING OUTLINE
- ROOF OVER
- STORMWATER UPSTREAM INVERT RL.
- STORMWATER PIPE DIAMETER & CLASS
- STORMWATER PIPE LENGTH
- STORMWATER PIPE GRADE
- STORMWATER DOWNSTREAM INVERT RL.
- EXISTING CONTOURS
- FUTURE DESIGN LEVELS BY OTHERS
- PROPOSED CONTOURS
- EXISTING SPOT LEVEL
- PROPOSED SPOT LEVEL
- PROPOSED STORMWATER PIPE
- PROPOSED JUNCTION PITS
- PROPOSED SURFACE INLET PITS
- PROPOSED LINTEL ONGRADE & SAG PITS
- OVERLAND FLOW PATH
- PROPOSED RIDGE LINE
- PROPOSED VALLEY LINE
- PROPOSED SUBSOIL LINE
- PROPOSED GRATED DRAIN
- PROPOSED KERB & GUTTER
- PROPOSED KERB ONLY
- PROPOSED FALL
- PROPOSED RAINWATER OUTLET
- LINE LETTER
- PIT NUMBER

NOTES:

- ALL SURFACE INLET PITS TO BE FITTED WITH ENVIROPOD PIT BASKETS
- NO SUBSOIL DRAINAGE LINES FOR LANDSCAPE OR PAVEMENT AREAS HAVE NOT BEEN DOCUMENTED AT THE DA STAGE
- FOR PODIUM DRAINAGE DESIGN DETAIL REFER TO HYDRAULIC CONSULTANT DWG BY INSYNC SERVICES



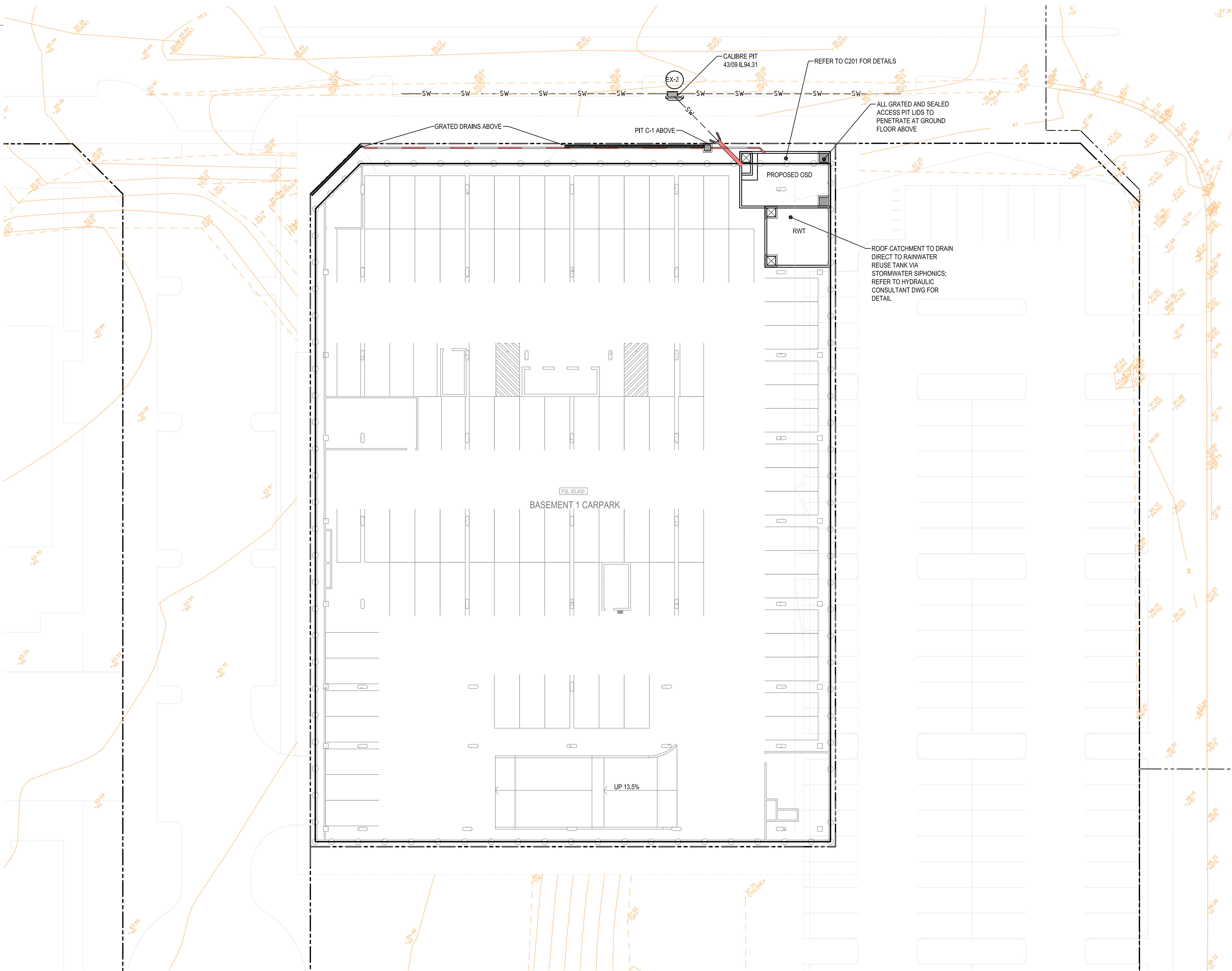
SCALE 1:250

DETAIL PLAN

SCALE: 1:200

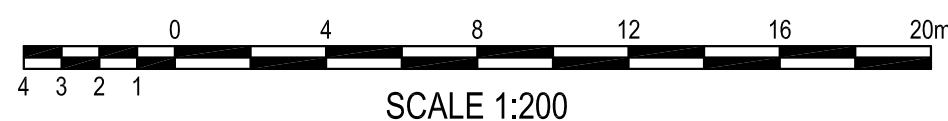
PRELIMINARY

										Client		Project		Drawn		Designed		Date	
										GREENFIELDS DEVELOPMENT COMPANY		Level 5, 79 Victoria Avenue Chatswood NSW 2067		Drawn J.Gormly		Designed J.Gormly		Date AUG 2017	
										Allen Jack + Cottier		Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hhconsult.com.au Web www.henryandhymas.com.au		Checked A.Francis		Approved A.Francis		Scale 1:250 @A1	
										This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.		Title		Drawing number		Revision			
												DETAIL PLAN SHEET 2 OF 2		17689a_DA_C102		02			





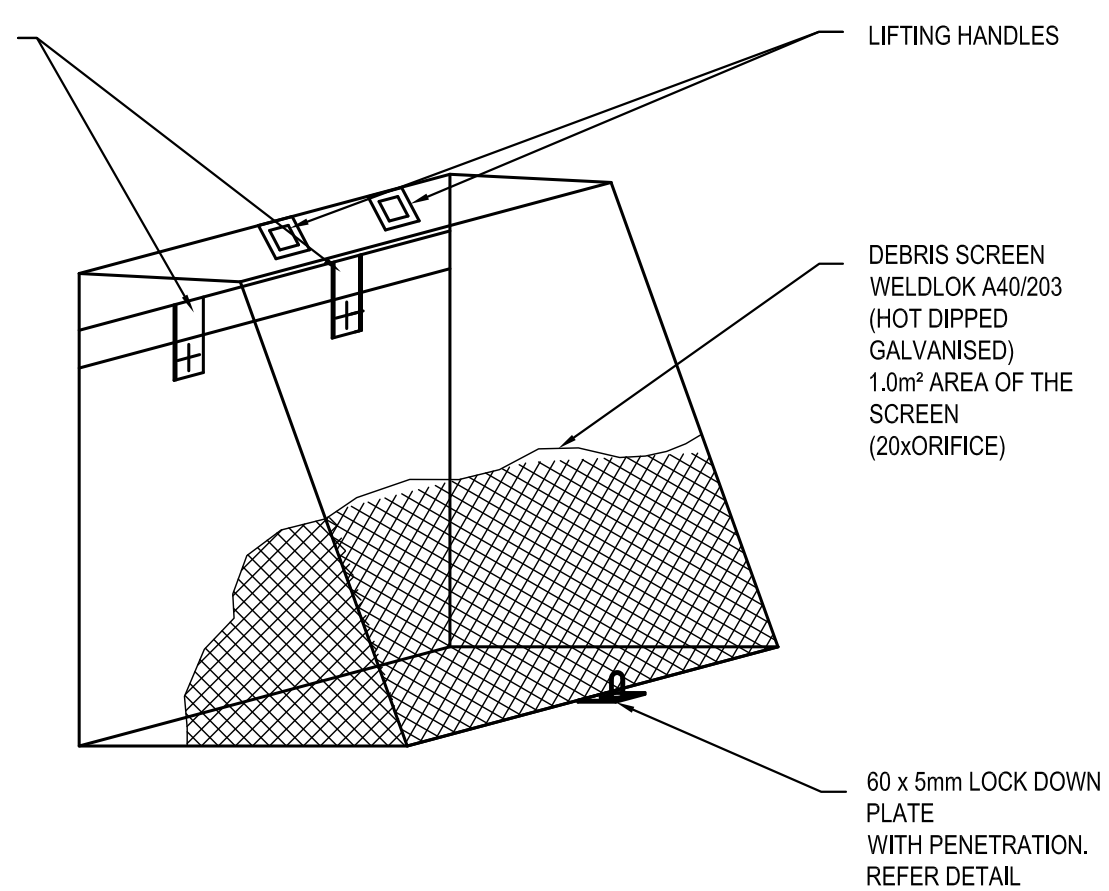
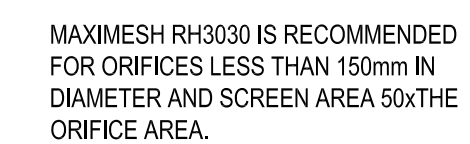
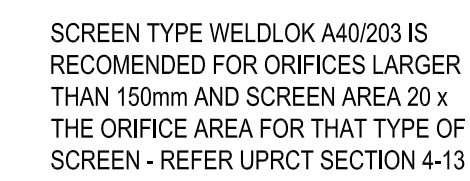
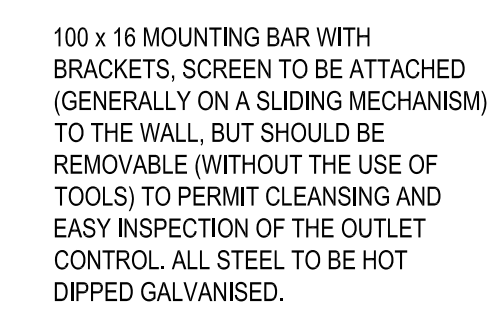
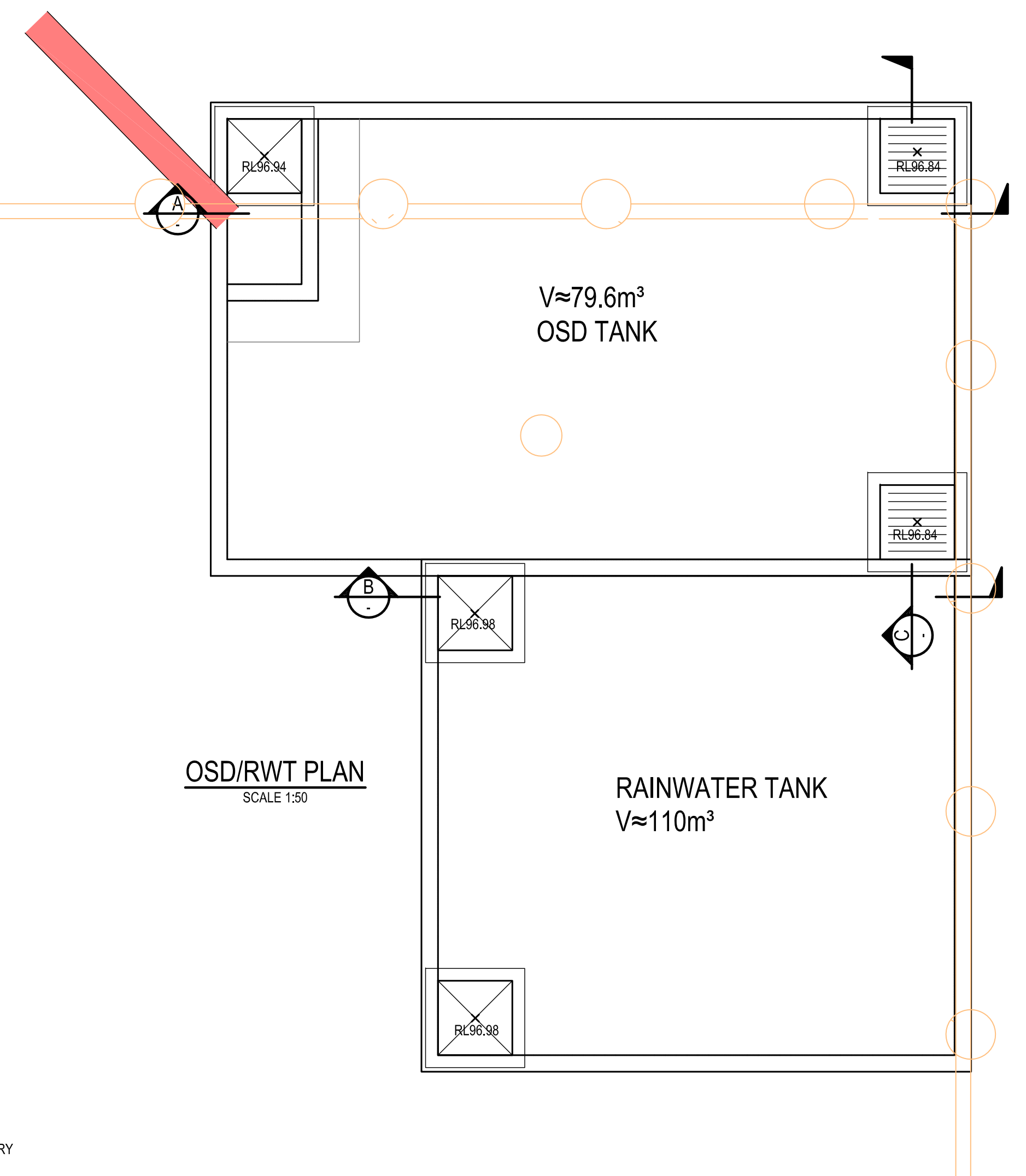
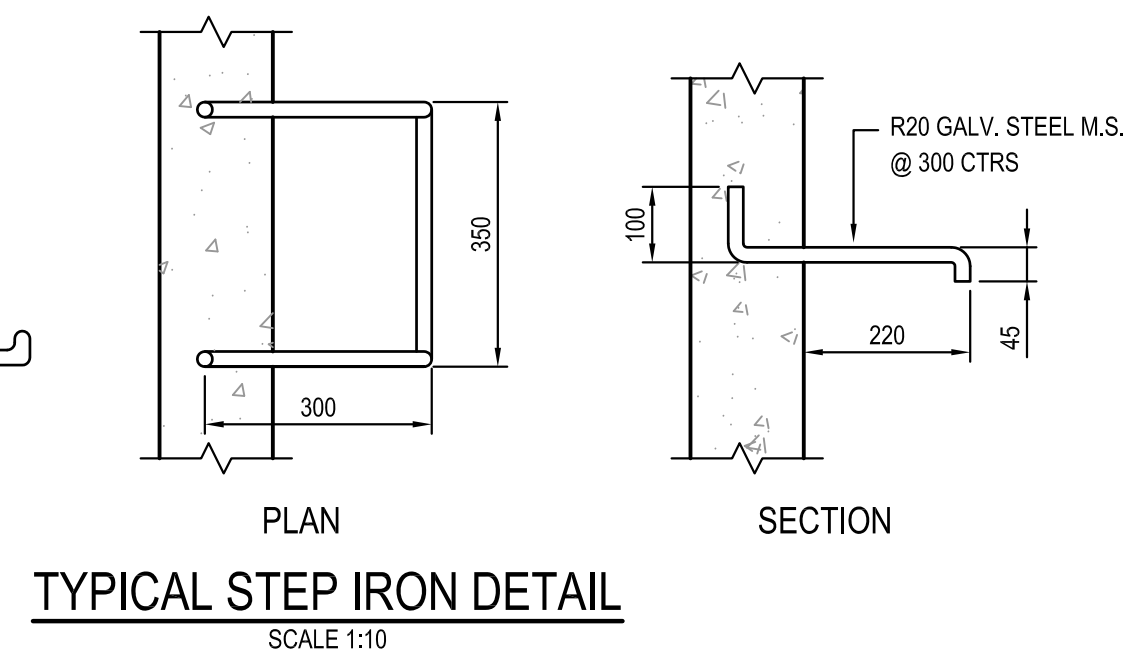
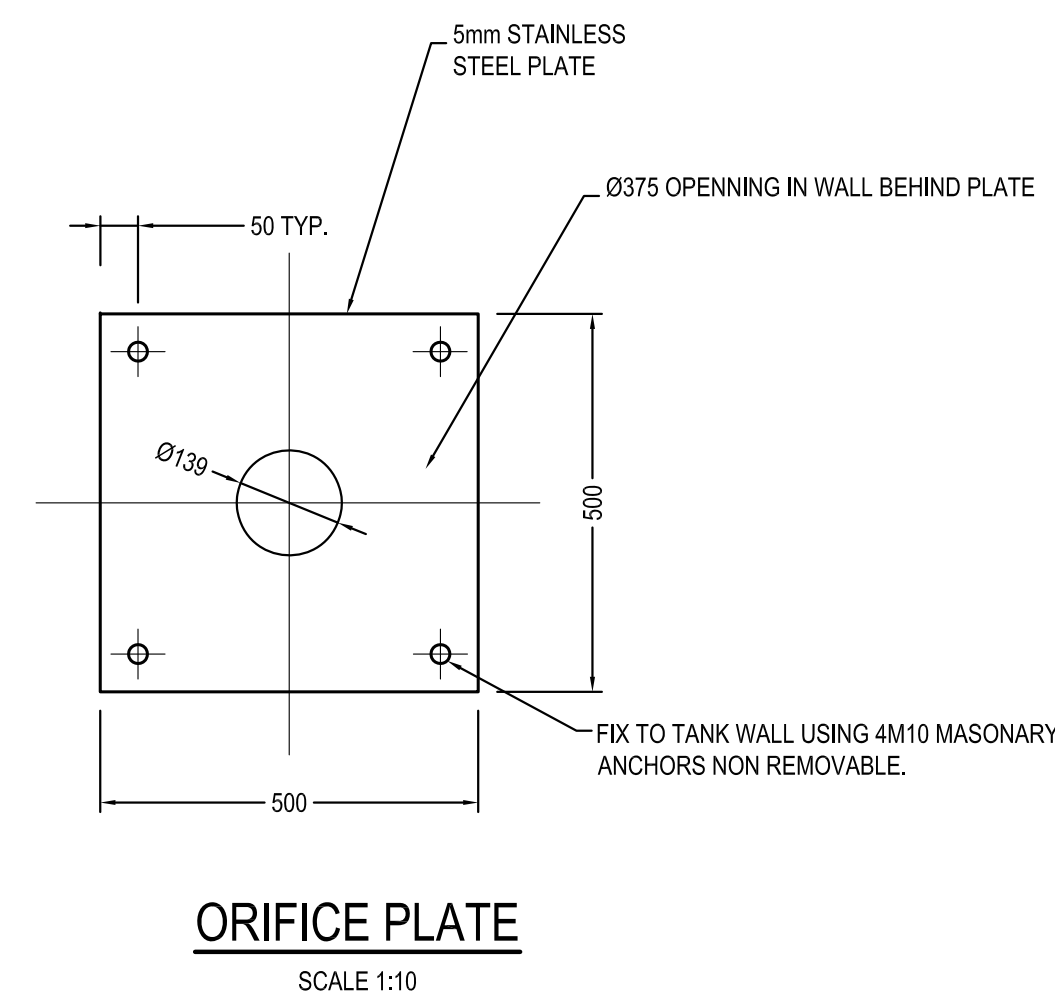
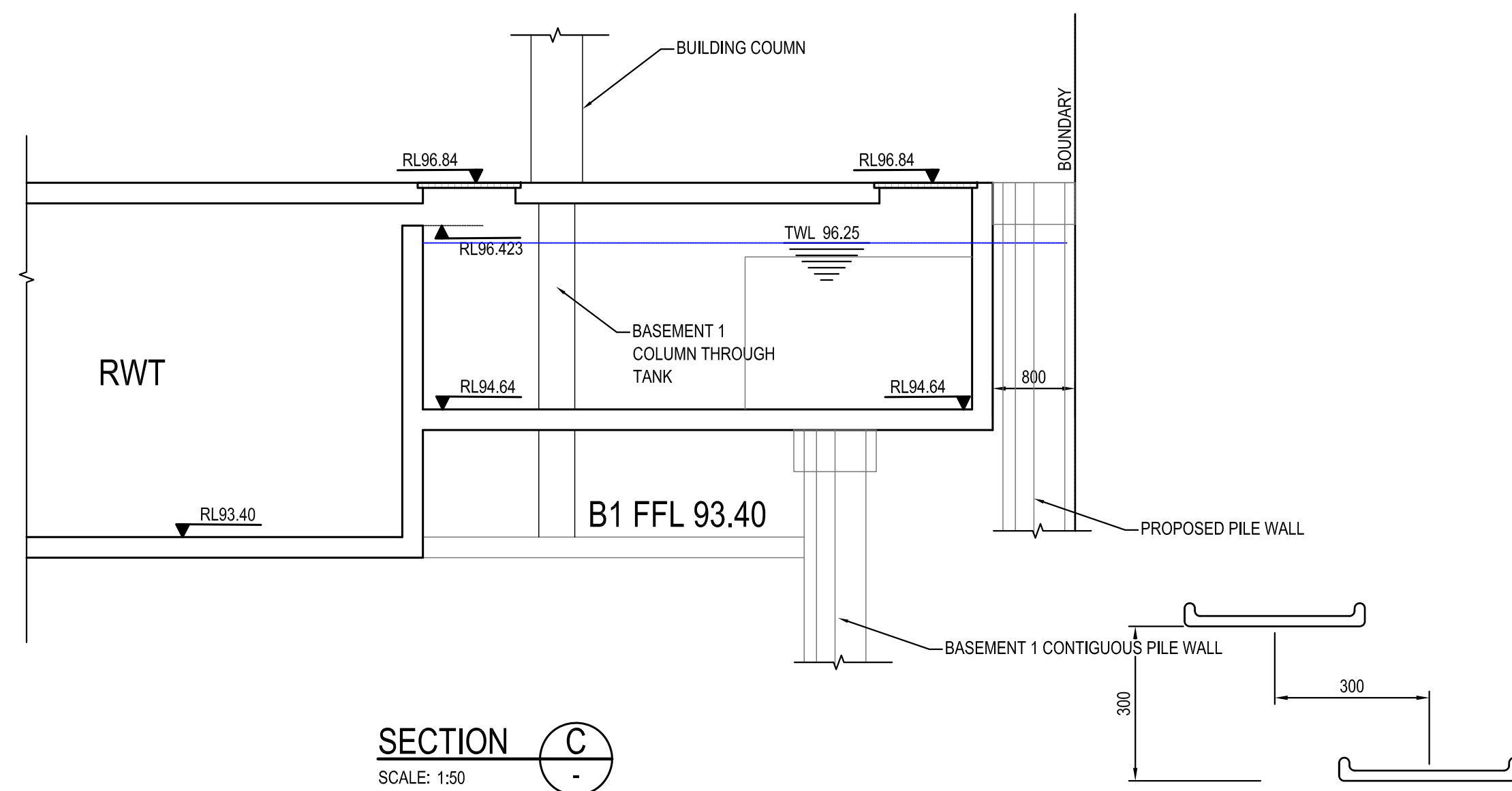
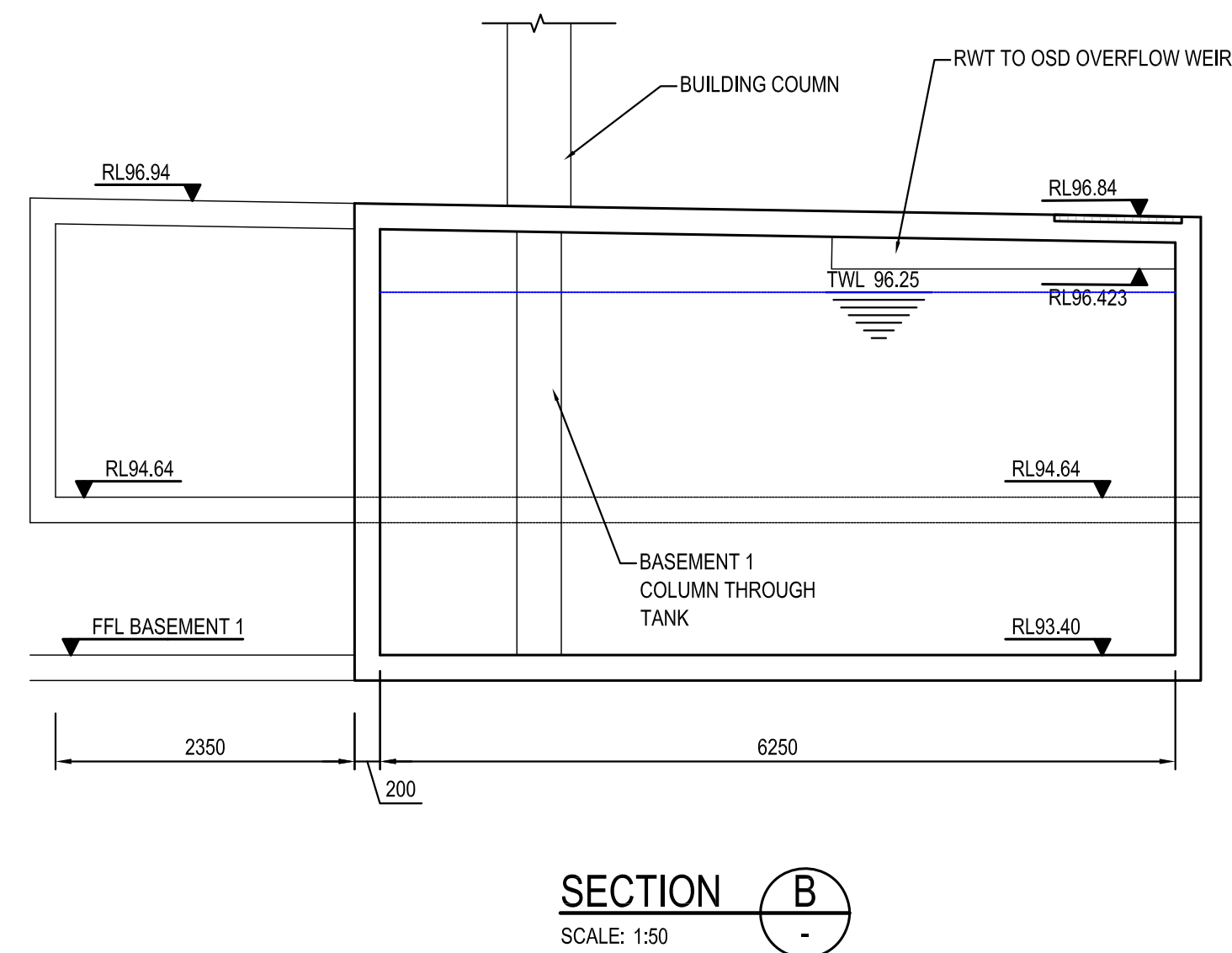
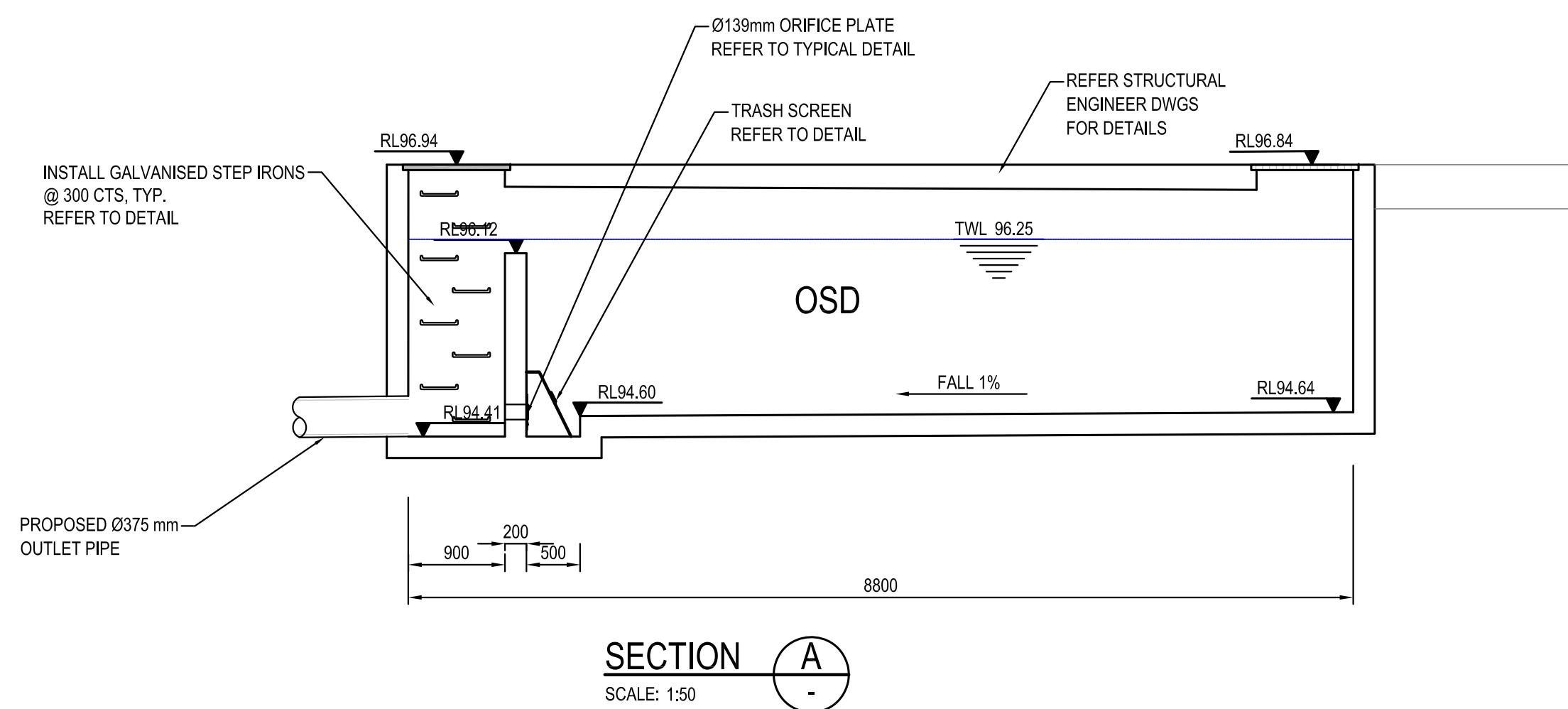
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	PROPOSED STORMWATER PIPE
	PROPOSED CONTOURS
	PROPOSED SPOT LEVEL
	EXISTING SPOT LEVEL
	PROPOSED JUNCTION PITS
	PROPOSED SURFACE INLET PITS
	PROPOSED LINTEL ONGRADE & SAG PIT
	EXISTING SPOT LEVEL
	OVERLAND FLOW PATH
	PROPOSED RIDGE LINE
	PROPOSED VALLEY LINE
	PROPOSED SUBSOIL LINE
	PROPOSED GRATED DRAIN
	PROPOSED KERB & GUTTER
	PROPOSED KERB ONLY
	PROPOSED FALL
	RAINWATER OUTLET
	PROPOSED PIT TAG

SCALE: 1:200



PRELIMINARY

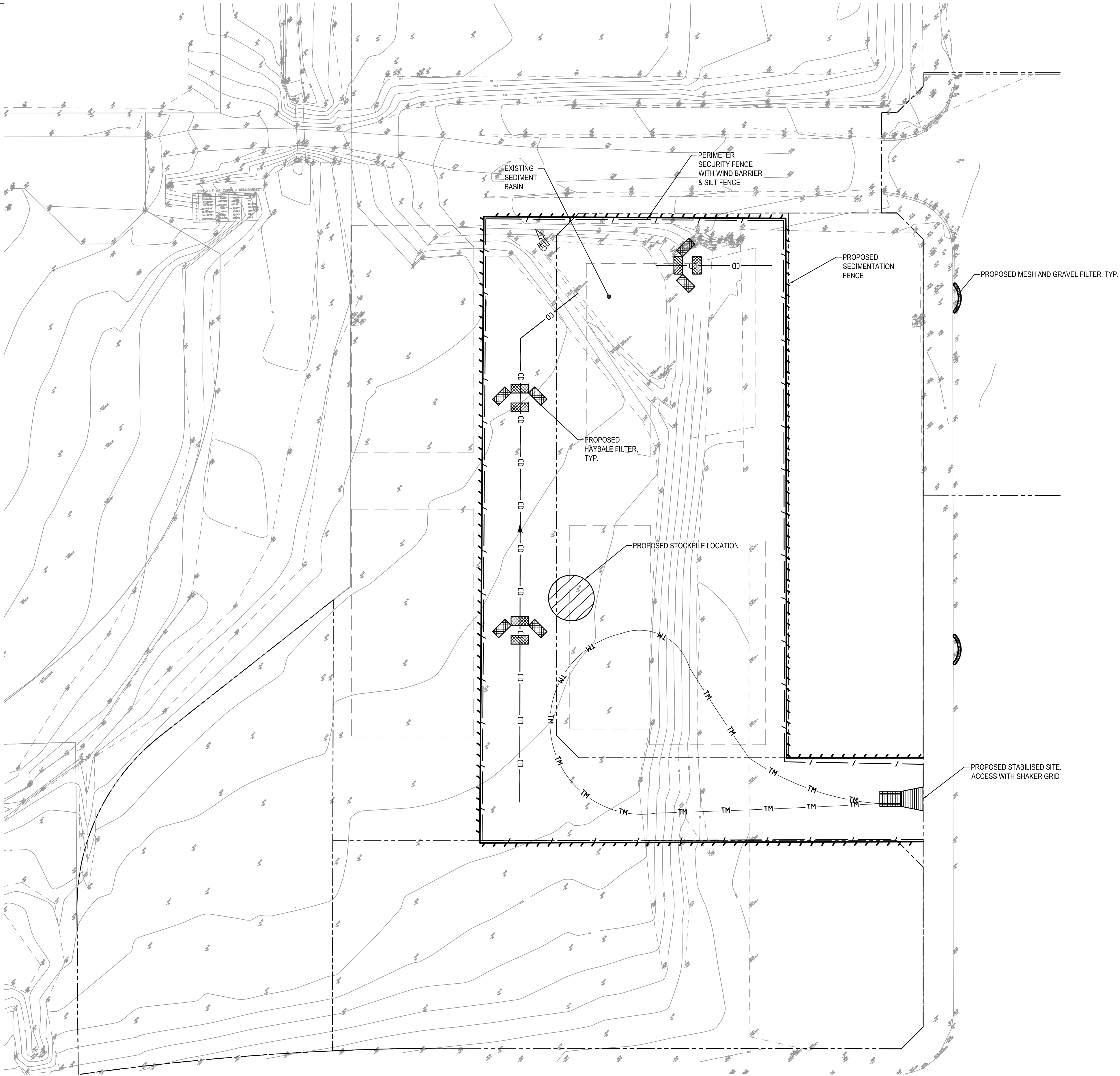
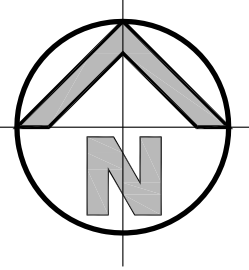
										Client GREENFIELDS DEVELOPMENT COMPANY										Level 5, 79 Victoria Avenue Cheshamwood NSW 2067										Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hiconsult.com.au Web www.henryandhymas.com.au																				Project PROPOSED COMMERCIAL BUILDING ORAN PARK DRIVE, ORAN PARK NSW										Drawn M.Cerna										Designed J.Gormly										Date AUG 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DEBRIS SCREEN DETAIL
NOT TO SCALE
ALL STEEL TO BE HOT DIPPED GALVANISED

PRELIMINARY

[illegible]



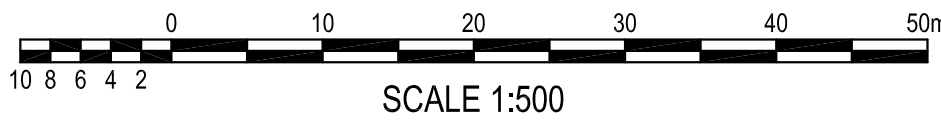
LEGEND

- TM → TM → TRAFFIC MANOEUVRING
- ○ ○ ○ ○ PROPOSED SEDIMENTATION FENCE
- /// PROPOSED LIMIT OF WORK
- CD → CD → CATCH DIVERSION DRAIN
- [Grid] PROPOSED VEHICLE SHAKER GRID
- [Trapezoid] PROPOSED STABILISED SITE ACCESS
- [Circle with dots] PROPOSED STOCKPILE LOCATION
- [Haybale] PROPOSED HAYBALE FILTER
- O/F → OVERFLOW
- [Curve] PROPOSED MESH & GRAVEL INLET FILTER

SEDIMENT & EROSION CONTROL NOTES

- ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH RESPECTIVE COUNCIL SPECIFICATIONS AND LANDCOM'S "SOIL AND CONSTRUCTION" MANUAL.
- ALL PERIMETER & SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTH WORKS AND/OR CLEARING.
- THE SEDIMENT & EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.
- FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS & SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED & MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.
- ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR REUSE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.
- ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS.
- ALL FILLS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.
- UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY COUNCIL SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.
- EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL TIMES
- MESH AND GRAVEL INLET FILTERS TO BE PLACED ON ALL COUNCIL PITS WITHIN 50 mm OF THE SITE.

NOTE:
THE SEDIMENT AND EROSION MEASURES SHOWN ON THIS DRAWING ARE FOR THE INITIAL EARTHWORK STAGES. AS CONSTRUCTION CONTINUES, IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL PITS ARE PROTECTED WITH MESH AND GRAVEL FILTERS





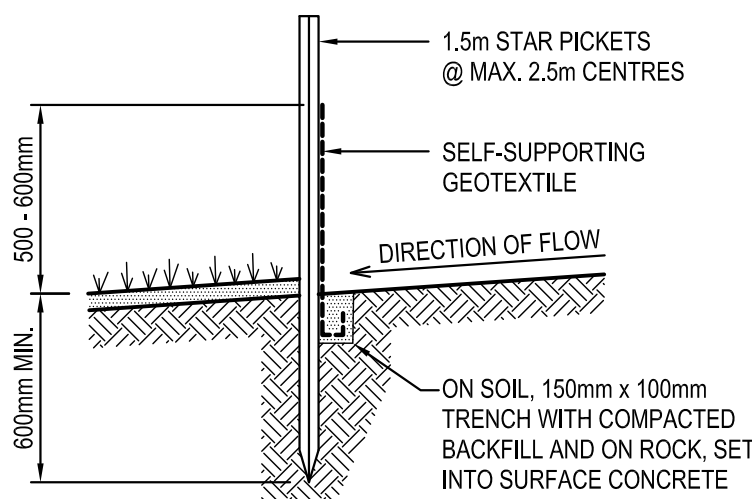
SCALE 1:500

SEDIMENT AND EROSION CONTROL PLAN

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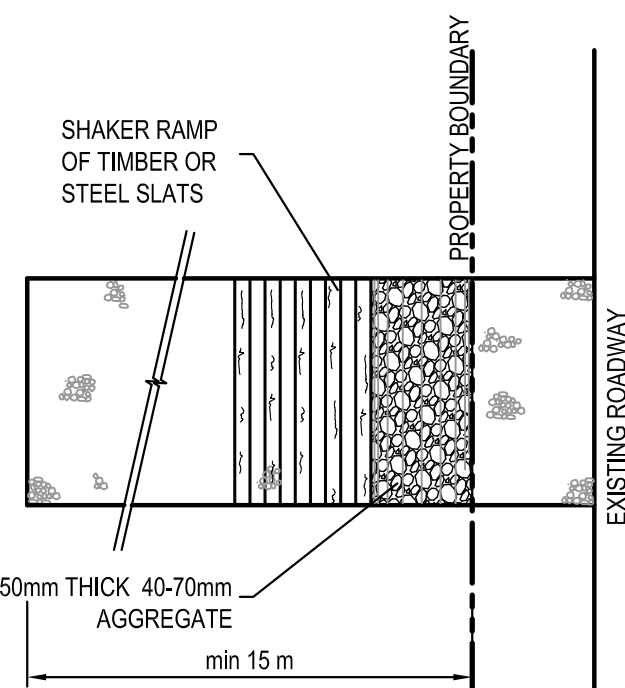
PRELIMINARY

										Client GREENFIELDS DEVELOPMENT COMPANY										Level 5, 79 Victoria Avenue Chatswood NSW 2067										Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hhconsult.com.au Web www.henryandhymas.com.au																				Project PROPOSED COMMERCIAL BUILDING ORAN PARK DRIVE, ORAN PARK NSW										Drawn M.Cerna										Designed J.Gormly										Date AUG 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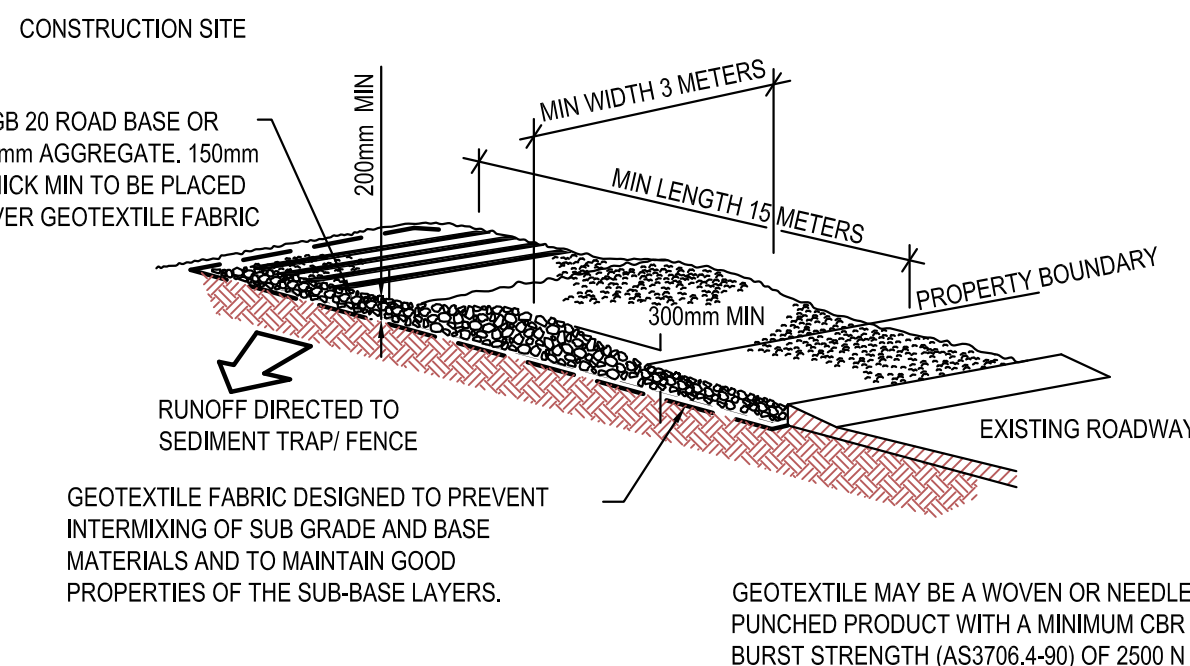


SEDIMENT FENCE
SCALE N.T.S.

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND @ 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP. 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

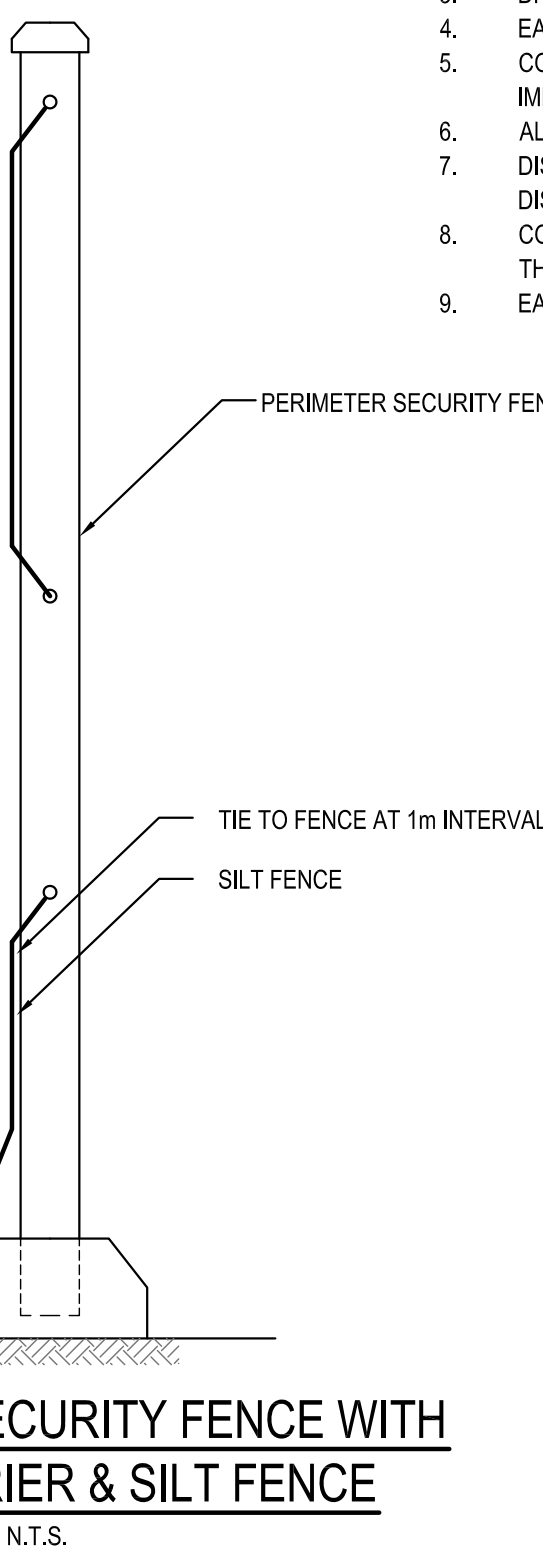


PLAN
STABILISED SITE ACCESS WITH SHAKER RAMP



1. THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
2. THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
3. ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
4. ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY "HUMES CONCRETE MAY BE USED, 1, 2 & 3 ABOVE ALSO APPLY.

1. INSTALL SEDIMENT FENCING AND CUT DRAINS TO MEET THE REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLAN. WASTE COLLECTION BINS SHALL BE INSTALLED ADJACENT TO SITE OFFICE.
2. CONSTRUCT STABILISED SITE ACCESS IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL'S REQUIREMENTS.
3. REDIRECT CLEAN WATER AROUND THE CONSTRUCTION SITE.
4. INSTALL SEDIMENT CONTROL PROTECTION MEASURES AT ALL NATURAL AND MAN-MADE DRAINAGE STRUCTURES. MAINTAIN UNTIL ALL THE DISTURBED AREAS ARE STABILISED.
5. CLEAR AND STRIP THE WORK AREAS. MINIMISE THE DAMAGE TO THE GRASS AND LOW GROUND COVER OF NON-DISTURBED AREAS.
6. ANY DISTURBED AREAS, OTHER THAN BUILDING PAD AREAS, SHALL IMMEDIATELY BE COVERED WITH SITE TOPSOIL, WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS SHALL BE COVERED WITH BITUMEN EMULSION AS SPECIFIED.
7. APPLY PERMANENT STABILISATION TO SITE (LANDSCAPING).



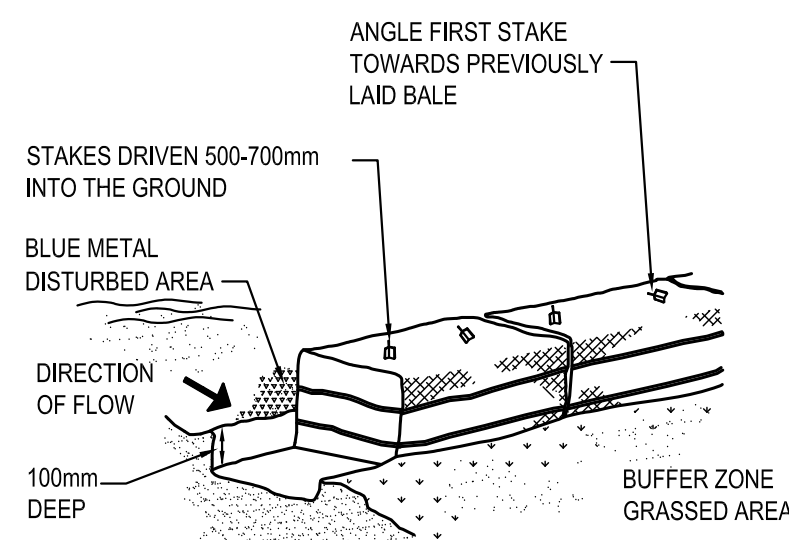
PERIMETER SECURITY FENCE WITH WIND BARRIER & SILT FENCE

Diagram illustrating the cross-section of a temporary bank. The bank is shown with a top width of 2 METRES MIN. and a height of 150mm MIN. The slope is indicated by a dashed line labeled "DIRECTION OF FLOW". The bank is constructed with a gradient of drain 1% TO 5%. The bank can be constructed with or without a channel. The bank is labeled "ALL BATTER GRADES 2H:1(V) MAX." and "300mm MIN." for the base width.

NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

1. BUILD WITH GRADIENTS BETWEEN 1% AND 5%.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS-SECTIONS, NOT "V" SHAPED.
5. ENSURE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

SCALE N.T.S.



N.T.S.

SEDIMENT BASIN SIZING TYPE D SOILS	
VOLUMETRIC RUNOFF COEFFICIENT, CV	0.5 (APPENDIX F - TABLE F2)
75TH PERCENTILE 5 DAY TOTAL RAINFALL DEPTH, R	19.30 mm
CATCHMENT AREA, A	1 Ha (UNIT AREA)
SETTLING ZONE VOLUME (PER HECTARE) 10 CV A R	96.50 m³
DISTURBED CATCHMENT AREA	1 Ha (UNIT AREA)
R K L S P C	73 m³
SEDIMENT ZONE VOLUME (0.17 A (R K L S P C))/1.3	9.4m³ < 50% SETTLING VOL.ADOPT 48.3 m³ PER HECTARE
TOTAL SEDIMENT BASIN VOLUME REQUIRED :	144.8 m³/Ha

CONSTRAINT	VALUE	(SOURCE)*
RAINFALL EROSIIVITY (R-FACTOR)	2250	APPENDIX B
LENGTH/SLOPE GRADIENT FACTOR, LS	0.65	APPENDIX A - TABLE A1
SOIL ERODIBILITY (K-FACTOR)	0.038	(ASSUMED BASED ON SOIL TYPE)
EROSION CONTROL PRACTICE FACTOR (P-FACTOR)	1.3 (COMPACTED)	APPENDIX A - TABLE A2
COVER FACTOR (C-FACTOR)	1.0 (DURING EARTHWORKS)	APPENDIX A - FIGURE A5
CALCULATED SOIL LOSS, A (RUSLE EQUATION)	73 t/ha/YR	A = R K LS P C
SOIL HYDROLOGIC GROUP	GROUP C	(ASSUMED BASED ON SOIL TYPE)
SEDIMENT TYPE	TYPE D	(ASSUMED BASED ON SOIL TYPE)
75TH PERCENTILE 5-DAY RAINFALL EVENT	19.3 mm (CAMDEN)	TABLE 6.3A

1. THE CAPTURED STORMWATER IN THE SETTLING ZONE SHOULD BE DRAINED TO MEET THE MINIMUM STORAGE CAPACITY REQUIRED WITHIN A FIVE (5) DAY PERIOD FOLLOWING RAINFALL, PROVIDED THE ACCEPTABLE WATER QUALITY (NFR) AND TURBIDITY HAVE BEEN ACHIEVED.
2. CHEMICAL FLOCCULANT SUCH AS GYPSUM MAY BE DOSED TO AID SETTLING WITHIN 24 HOURS OF CONCLUSION OF EACH STORM. THE APPLIED DOSING RATES SHOULD ACHIEVE THE TARGET QUALITY WITHIN 36 TO 72 HOURS OF THE STORM EVENT.
3. INSPECT THE SEDIMENT BASINS AFTER EACH RAINFALL EVENT AND/OR WEEKLY. ENSURE THAT ALL SEDIMENT IS REMOVED ONCE THE SEDIMENT STORAGE ZONE IS FULL (REFER TO PEGS INSTALLED IN BASINS IN ACCORDANCE WITH THE SWMP). ENSURE THAT OUTLET AND EMERGENCY SPILLWAY WORKS ARE MAINTAINED IN A FULLY OPERATIONAL CONDITION AT ALL TIMES.

SOWING SEASON	SEED MIX
AUTUMN/WINTER	OATS@40KG/Ha + JAPANESE MILLET@10kg/Ha
SPRING/SUMMER	OATS@20kg/Ha + JAPANESE MILLET@20kg/Ha

NOTE : THESE PLANT SPECIES ARE FOR TEMPORARY REVEGETATION ONLY. THEY WILL ONLY PROVIDE PROTECTION FROM EROSION FOR SIX MONTHS. WHERE THE LOTS ARE TO BE LEFT UNDEVELOPED FOR A LONGER PERIOD, THE CONTRACTOR SHALL SEEK ADVICE FROM THE SITE SUPERINTENDENT AS TO MORE APPROPRIATE REVEGETATION METHODS.

REVEGETATION IN ACCORDANCE WITH THE ABOVE TABLE WILL BE ENHANCED BY ADDING LIME AT A RATE OF 4kg/TONNE OF TOPSOIL AND 7.5kg/TONNE OF SUBSOIL.

4. THE LONG TERM GROUND COVER FACTORS FOR THE CONSTRUCTION WORKS IS NOT TO EXCEED THE FOLLOWING LIMITS

LAND	MAXIMUM C-FACTOR	REMARKS
WATERWAYS AND OTHER AREAS OF CONCENTRATED FLOWS, POST CONSTRUCTION	0.05	APPLIES AFTER TEN WORKING DAYS OF COMPLETION OF FORMATION AND BEFORE CONCENTRATED FLOWS ARE APPLIED. FOOT AND VEHICULAR TRAFFIC IS PROHIBITED IN THIS AREA AND 70% GROUND COVER IS REQUIRED.
STOCKPILES, POST CONSTRUCTION	0.10	APPLIES AFTER TEN WORKING DAYS FROM COMPLETION OF FORMATION. 60% GROUND COVER IS REQUIRED.
ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES, DURING CONSTRUCTION.	0.15	APPLIES AFTER 20 DAYS OF INACTIVITY, EVEN THOUGH WORKS MAY BE INCOMPLETE. 50% GROUND COVER IS REQUIRED.

PRELIMINARY

[illegible]

