



UNITED ENGINEERING INC
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ADDENDUM

PROJECT: Forestside Estates
Attmar & Palleschi Drive
Brampton, Ontario

PROJECT NO.: 18-017

CONTRACT: Mechanical

DATE: September 13, 2019

ADDENDUM NO. M-2

CONTRACTORS ARE TO REVIEW ALL CHANGES, DELETIONS AND ADDITIONS TO THE WORK LISTED IN THIS DOCUMENT AND THE REVISED DRAWINGS AND INCORPORATE THESE ITEMS IN THE TENDER PRICE.

PURPOSE: To match Architectural changes and coordination as discussed on coordination meeting.

1.0 Mechanical drawing M-1 (Site Plan - Mechanical) Issued

1.1 Relocated: Exhaust shaft.

2.0 Mechanical drawing M-2 (Underground Drainage Layout - Mechanical) Issued

2.1 Revised: Area drain locations & corresponding storm piping connection.

3.0 Mechanical drawing M-2A (Underground Drainage Layout – Mechanical-Part 1) Issued

3.1 Revised: Area drain locations & corresponding storm piping connection.

4.0 Mechanical drawing M-2B (Underground Drainage Layout – Mechanical-Part 2) Issued

4.1 Revised: Area drain locations & corresponding storm piping connection.

5.0 Mechanical drawing M-3 (Parking Level - Plumbing - Mechanical) Issued

5.1 Revised: Area drain locations & corresponding storm piping connection.

5.2 Added: Winterization assembly to DCW system c/w compressor connection.

5.3 Revised: Domestic Cold Water and Hose bib piping layout.

Project #17-009
91 Broadway Avenue

6.0 Mechanical drawing M-3A (Parking Level - Plumbing – Mechanical-Part 1) Issued

6.1 Revised: Area drain locations & corresponding storm piping connection.

6.2 Revised: Domestic Cold Water and Hose bib piping layout.

7.0 Mechanical drawing M-3B (Parking Level - Plumbing – Mechanical-Part 2) Issued

7.1 Revised: Area drain locations & corresponding storm piping connection.

7.2 Added: Winterization assembly to DCW system c/w compressor connection.

7.3 Revised: Domestic Cold Water and Hose bib piping layout.

8.0 Mechanical drawing M-4 (Parking Level – HVAC - Mechanical) Issued

8.1 Revised: HVAC layout as indicted.

9.0 Mechanical drawing M-4A (Parking Level - HVAC – Mechanical-Part 1) Issued

9.1 Revised: HVAC layout as indicted.

10.0 Mechanical drawing M-4B (Parking Level - HVAC – Mechanical-Part 2) Issued

10.1 Revised: HVAC layout as indicted.

11.0 Mechanical drawing M-46 (Typical Suites Layout - Mechanical) Issued

11.1 Revised: Ductwork and diffuser layouts as indicated.

12.0 Mechanical drawing M-47 ((Typical Suites Layout - Mechanical) Issued

12.1 Revised: Ductwork and diffuser layouts as indicated.

13.0 Mechanical drawing M-48 (Schedules and Schematic - Mechanical) Issued

13.1 Revised: Equipment Schedule as indicated.

13.2 Revised: Fan Schedule as indicated.

14.0 Mechanical drawing M-51 (Details - Mechanical) Issued

14.1 Added: Town Houses Domestic & Space Heating Schematic.

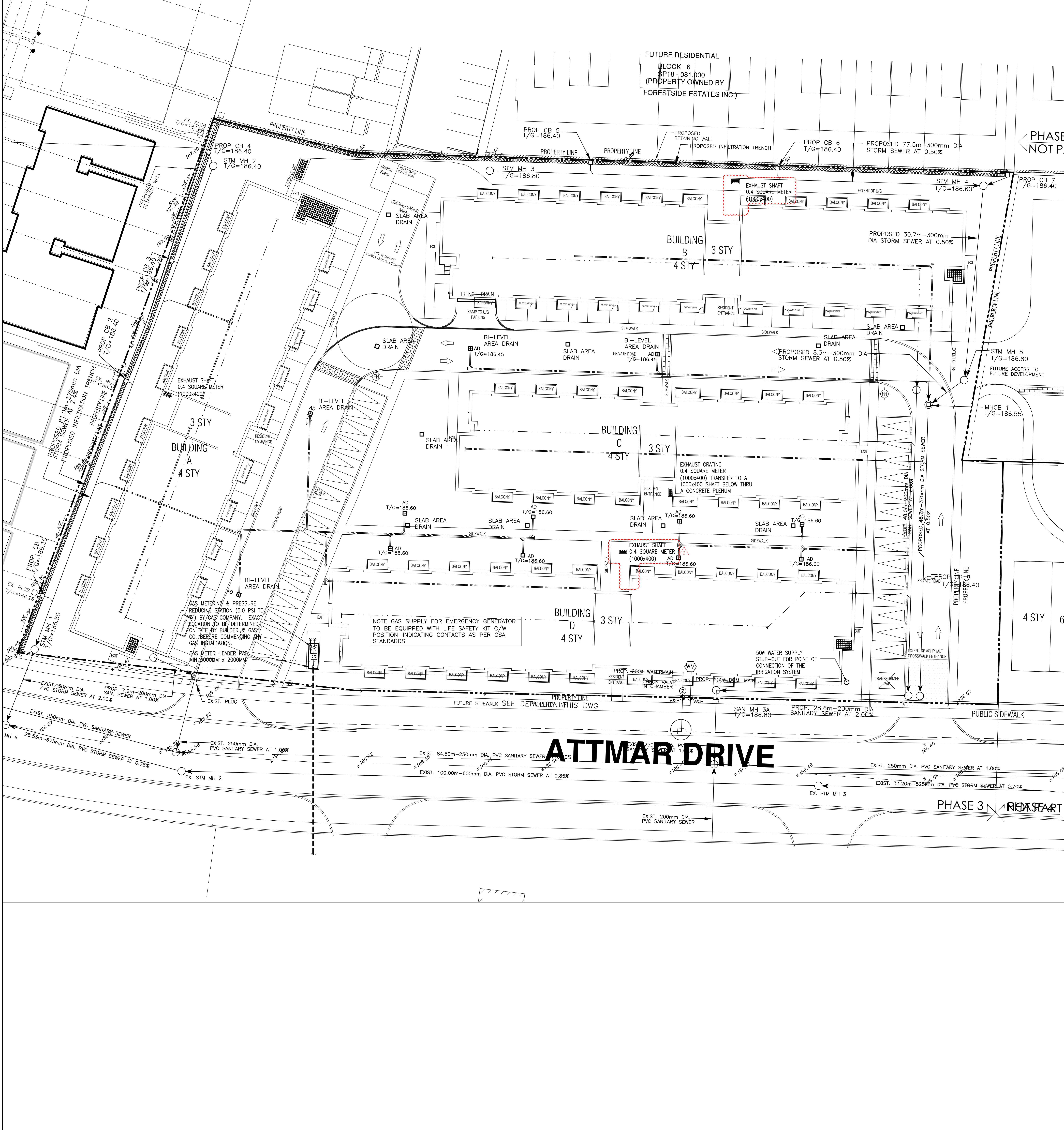
Project #17-009
91 Broadway Avenue

PREPARED BY:



Daria Lemke
Mechanical Department

ISSUED TO ROYAL PINE HOMES,
Cinzia Caruso, Cinzia@royalpinehomes.com;
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Steve Carogioiello, steve@royalpinehomes.com
FOR DISTRIBUTION TO ALL AFFECTED PARTIES.



LEGEND

- NEW SANITARY DRAIN BURIED
- EXISTING SANITARY DRAIN BURIED
- SANITARY DRAIN ABOVE GROUND
- NEW STORM DRAIN BURIED
- EXISTING STORM DRAIN BURIED
- EXISTING STORM DRAIN ABOVE GROUND
- NEW CLEAN OUTS
- EXISTING CLEAN OUTS
- NEW DOMESTIC COLD WATER
- EXISTING DOMESTIC COLD WATER TO BE REMOVED
- DOMESTIC HOT WATER
- DOW HOT WATER REGR. LINE
- VENT. LINE
- GAS LINE
- FIRE LINE
- EXISTING FIRE LINE TO BE REMOVED
- NEW SPRINKLER LINE
- FIRE HOSE CABINET
- FIRE DEPT. SAMES CONNECTION
- FIRE EXTINGUISHER
- FIRE HYDRANT AND VALVE
- SPRINKLER FLOW ALARM SWITCH
- DRY SPRINKLER VALVE C/W ALARM
- SUPERVED VALVE - SEE SCHEDULE FOR FIRE PROTECTION NOTES SEE SCHEDULE
- NON FREEZE HOSE BIBB C/W BACKFLOW PREVENTER
- H.B. ROOF DRAIN
- R.O.D. RAINWATER LEPPER
- F.D. FLOOR DRAIN
- H.D. HUB DRAIN
- A.D. AREA DRAIN
- S.A.D. SLOOED AREA DRAIN
- C.B. CATCH BASIN
- M.H. MANHOLE
- ANCHOR
- UNION
- STRAINER
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- P.R.V. PRESSURE REDUCING VALVE
- L.V. LOCKSHIELD VALVE
- B.V. BALANCING VALVE
- P.R.V. PRESSURE RELIEF VALVE
- T.P. TEMP. AND PRESSURE RELIEF VALVE
- TEMPEROMETER
- P.S. PRESSURE GAUGE
- PUMP-SEE SCHEDULE
- DETAIL NR. DRAWING NR.
- E/W/B. ELEC. WESBOWARD HEATER
- E/U/H. ELEC. UNIT HEATER
- E/F/H. ELEC. FORCE FLOW HEATER
- EXISTING GRADES
- FINAL GRADES
- COMPLETED WITH
- FIRE DAMPER
- S/A. SUPPLY AIR
- R/A. RETURN AIR
- T/A. TO ABOVE
- T/B. TO BELOW
- F/B. FROM BELOW
- A/B. ABOVE

NOTES

- FOR DETAILED SITE SERVING REFER TO DRAWINGS PREPARED BY OCM-DITCH CONSULTING ENGINEER
- FOR DETAILED GRADING REFER TO DRAWINGS PREPARED BY OCM-DITCH CONSULTING ENGINEER

NOTES

- MINIMUM EXPECTED WATER PRESSURE 30 PSI

DRAWING SCHEDULE		
DWG. NO.	DESCRIPTION	SCALE
M-1	SITE PLAN	1:200
M-2	UNDERGROUND DRAINAGE LAYOUT - MECHANICAL	1:150
M-2A	UNDERGROUND DRAINAGE LAYOUT - MECHANICAL - PART 1	1:100
M-2B	UNDERGROUND DRAINAGE LAYOUT - MECHANICAL - PART 2	1:100
M-3	PARKING LEVEL PLUMBING - MECHANICAL	1:150
M-3A	PARKING LEVEL PLUMBING - MECHANICAL - PART 1	1:100
M-3B	PARKING LEVEL PLUMBING - MECHANICAL - PART 2	1:100
M-4	PARKING LEVEL HVAC - MECHANICAL	1:150
M-4A	PARKING LEVEL HVAC - MECHANICAL - PART 1	1:100
M-4B	PARKING LEVEL HVAC - MECHANICAL - PART 2	1:100
M-5	BLOCK 1 BUILDING A GROUND FLOOR - PLUMBING SANITARY	1:50
M-6	BLOCK 1 BUILDING B GROUND FLOOR - PLUMBING SANITARY	1:50
M-7	BLOCK 1 BUILDING A 2ND FLOOR - PLUMBING SANITARY	1:50
M-8	BLOCK 1 BUILDING A 2ND FLOOR - PLUMBING SANITARY	1:50
M-9	BLOCK 1 BUILDING A 3RD FLOOR - PLUMBING SANITARY	1:50
M-10	BLOCK 1 BUILDING A 3RD FLOOR - PLUMBING SANITARY	1:50
M-11	BLOCK 1 BUILDING A 4TH FLOOR - PLUMBING SANITARY	1:50
M-12	BLOCK 1 BUILDING A 4TH FLOOR - PLUMBING SANITARY	1:50
M-13	BLOCK 1 BUILDING A ROOF PLAN - PLUMBING SANITARY	1:50
M-14	BLOCK 1 BUILDING A ROOF PLAN - PLUMBING SANITARY	1:50
M-15	BLOCK 2 BUILDING B GROUND FLOOR - PLUMBING SANITARY	1:50
M-16	BLOCK 2 BUILDING B GROUND FLOOR - PLUMBING SANITARY	1:50
M-17	BLOCK 2 BUILDING B 2ND FLOOR - PLUMBING SANITARY	1:50
M-18	BLOCK 2 BUILDING B 2ND FLOOR - PLUMBING SANITARY	1:50
M-19	BLOCK 2 BUILDING B 3RD FLOOR - PLUMBING SANITARY	1:50
M-20	BLOCK 2 BUILDING B 3RD FLOOR - PLUMBING SANITARY	1:50
M-21	BLOCK 2 BUILDING B 4TH FLOOR - PLUMBING SANITARY	1:50
M-22	BLOCK 2 BUILDING B 4TH FLOOR - PLUMBING SANITARY	1:50
M-23	BLOCK 2 BUILDING B ROOF PLAN - PLUMBING SANITARY	1:50
M-24	BLOCK 2 BUILDING B ROOF PLAN - PLUMBING SANITARY	1:50
M-25	BLOCK 3 BUILDING C GROUND FLOOR - PLUMBING SANITARY	1:50
M-26	BLOCK 3 BUILDING C GROUND FLOOR - PLUMBING SANITARY	1:50
M-27	BLOCK 3 BUILDING C 2ND FLOOR - PLUMBING SANITARY	1:50
M-28	BLOCK 3 BUILDING C 2ND FLOOR - PLUMBING SANITARY	1:50
M-29	BLOCK 3 BUILDING C 3RD FLOOR - PLUMBING SANITARY	1:50
M-30	BLOCK 3 BUILDING C 3RD FLOOR - PLUMBING SANITARY	1:50
M-31	BLOCK 3 BUILDING C 4TH FLOOR - PLUMBING SANITARY	1:50
M-32	BLOCK 3 BUILDING C 4TH FLOOR - PLUMBING SANITARY	1:50
M-33	BLOCK 3 BUILDING C ROOF PLAN - PLUMBING SANITARY	1:50
M-34	BLOCK 3 BUILDING C ROOF PLAN - PLUMBING SANITARY	1:50
M-35	BLOCK 4 BUILDING D GROUND FLOOR - PLUMBING SANITARY	1:50
M-36	BLOCK 4 BUILDING D GROUND FLOOR - PLUMBING SANITARY	1:50
M-37	BLOCK 4 BUILDING D 2ND FLOOR - PLUMBING SANITARY	1:50
M-38	BLOCK 4 BUILDING D 2ND FLOOR - PLUMBING SANITARY	1:50
M-39	BLOCK 4 BUILDING D 3RD FLOOR - PLUMBING SANITARY	1:50
M-40	BLOCK 4 BUILDING D 3RD FLOOR - PLUMBING SANITARY	1:50
M-41	BLOCK 4 BUILDING D 4TH FLOOR - PLUMBING SANITARY	1:50
M-42	BLOCK 4 BUILDING D 4TH FLOOR - PLUMBING SANITARY	1:50
M-43	BLOCK 4 BUILDING D ROOF PLAN - PLUMBING SANITARY	1:50
M-44	BLOCK 4 BUILDING D ROOF PLAN - PLUMBING SANITARY	1:50
M-45	TYPICAL SUITES UNITS LAYOUT - MECHANICAL	1:50
M-46	TYPICAL SUITES UNITS LAYOUT - MECHANICAL	1:50
M-47	TYPICAL SUITES UNITS LAYOUT - MECHANICAL	1:50
M-48	SCHEDULES AND SCHEMATIC	N.T.S.
M-49	GAS SCHEMATICS	N.T.S.
M-50	MECHANICAL DETAILS	N.T.S.
M-51	MECHANICAL DETAILS	N.T.S.
M-52	MECHANICAL DETAILS	N.T.S.
M-53	MECHANICAL DETAILS	N.T.S.

GAS CONSUMPTION		
EQUIPMENT	LOCATION	LOAD (CFH)
TANKLESS COMB. BOILERS	EACH SUITE	
FRD	EACH SUITE	
TOTAL	144 UNITS	
GENERATOR	GROUND FLOOR	
GRAND TOTAL		

REVISIONS

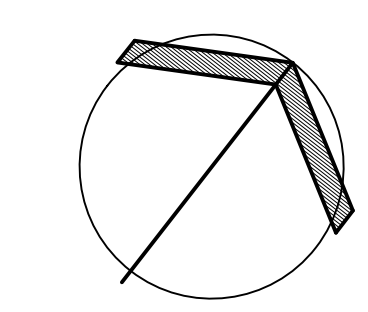
NO.	BY	DESCRIPTION	DATE
02	RC	ADDENDUM #02	SEP. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019

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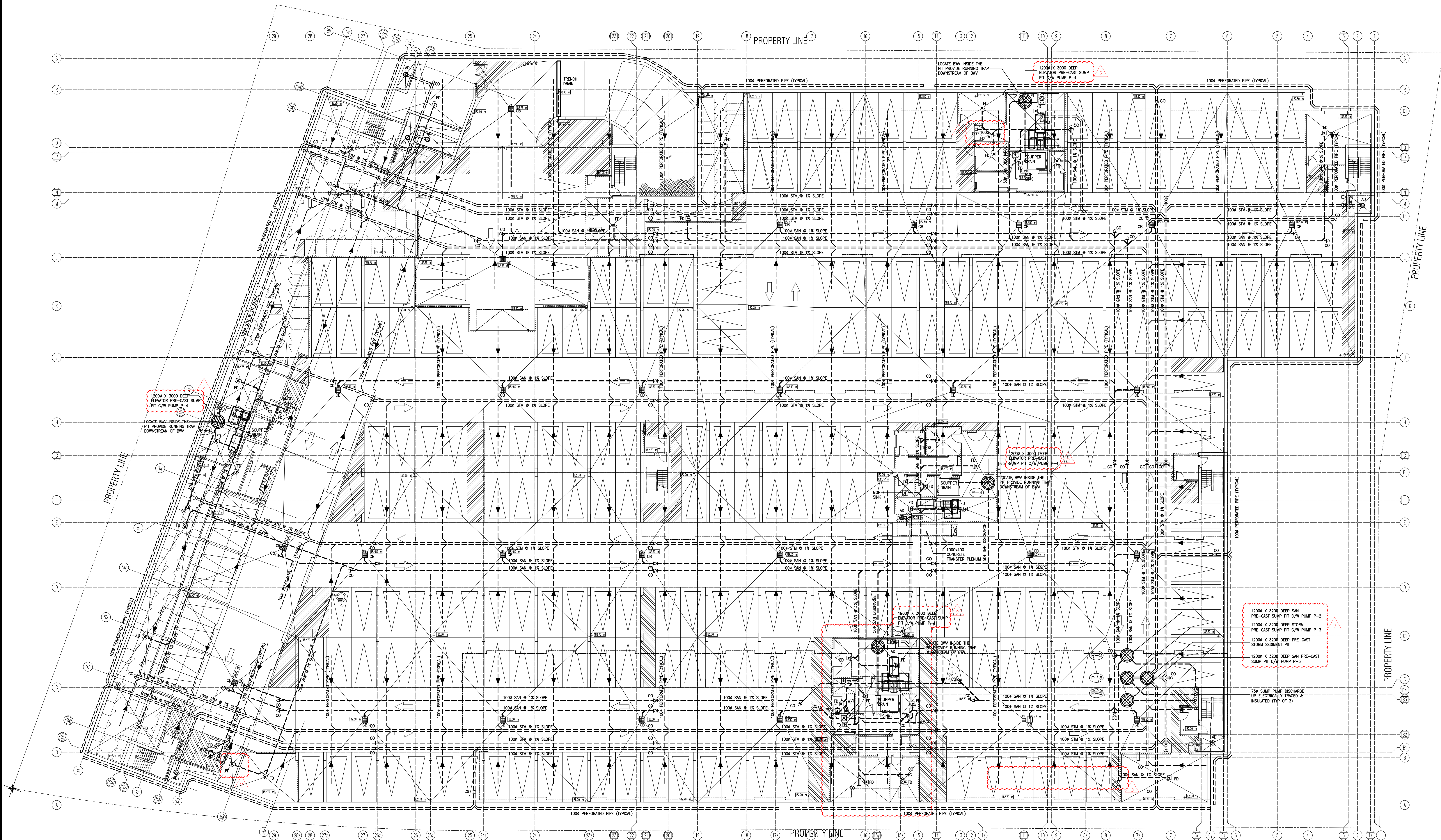
UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
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Tel: (416) 596 1999, Fax: (416) 596 1933

TITLE
SITE PLAN - MECHANICAL

PROJECT
BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAR + PALLESCI DRIVE BRAMPTON, ONTARIO

DRAWN MC	CHECKED LM	SCALE 1:200
DATE MAY, 2019	PROJECT 18-017	DRAWING M-1
		OF



02	RC	ADDENDUM #02	SEP. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE

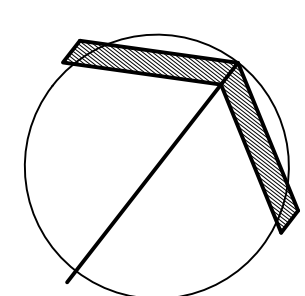
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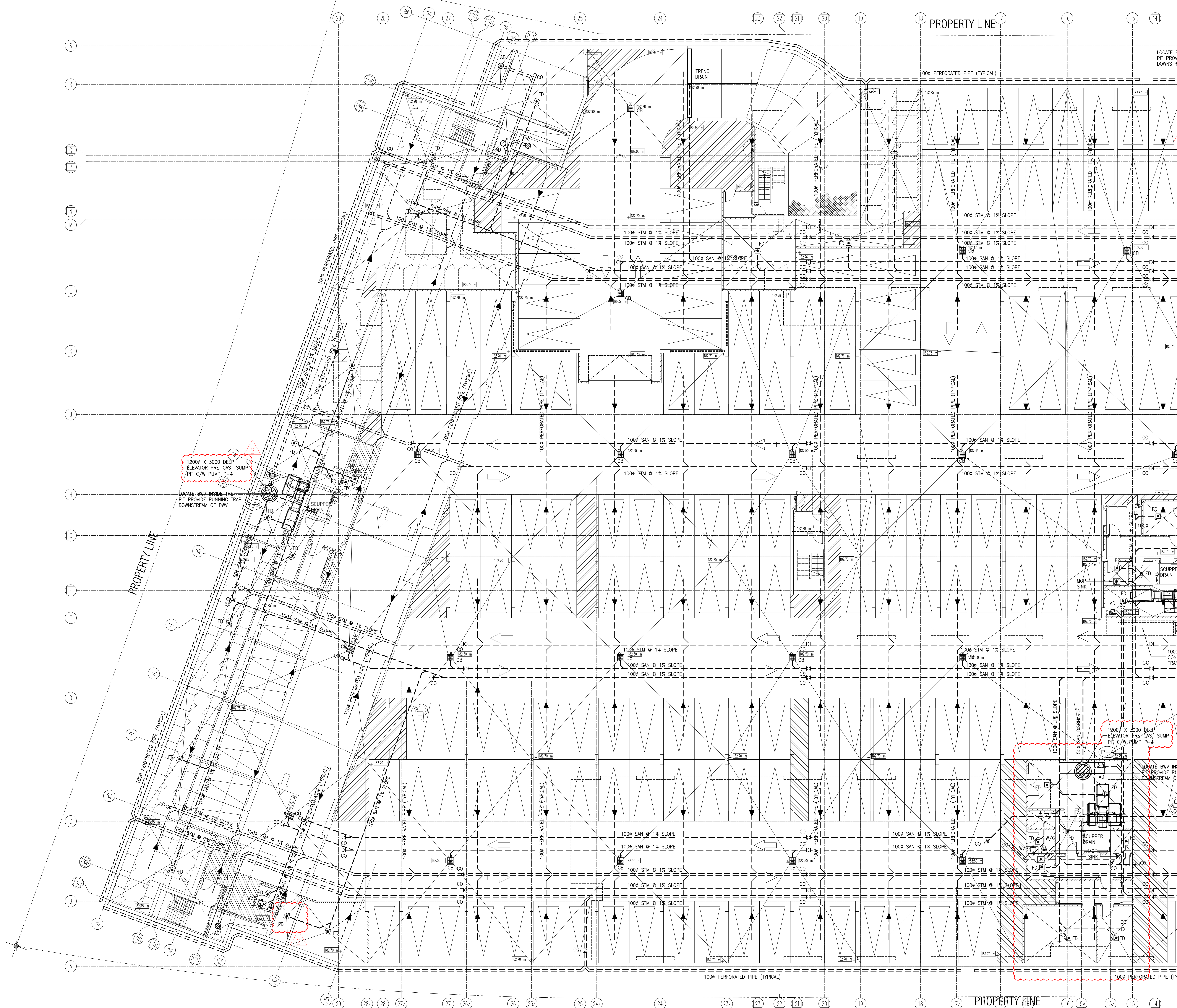
TITLE
**UNDERGROUND DRAINAGE LAYOUT
MECHANICAL**

PROJECT

**BRAMPTON STACKED
FORESTSIDE ESTATES**

ATTMAR + PALLESCI DRIVE
BRAMPTON, ONTARIO

DRAWN MC	CHECKED LM	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING M-2
		OF



1200" X 3000 DEEP
ELEVATOR PRE-CAST SUMP
PIT C/W PUMP P-4
LOCATE BMW INSIDE THE
PIT PROVIDE RUNNING TRAP
DOWNSTREAM OF BMW

1200" X 3000 DEEP
ELEVATOR PRE-CAST SUMP
PIT C/W PUMP P-4
LOCATE BMW INS
PIT PROVIDE RUI
DOWNSTREAM OF

02	RC	ADDENDUM #02	SEP. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE

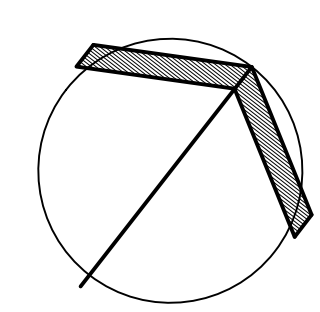
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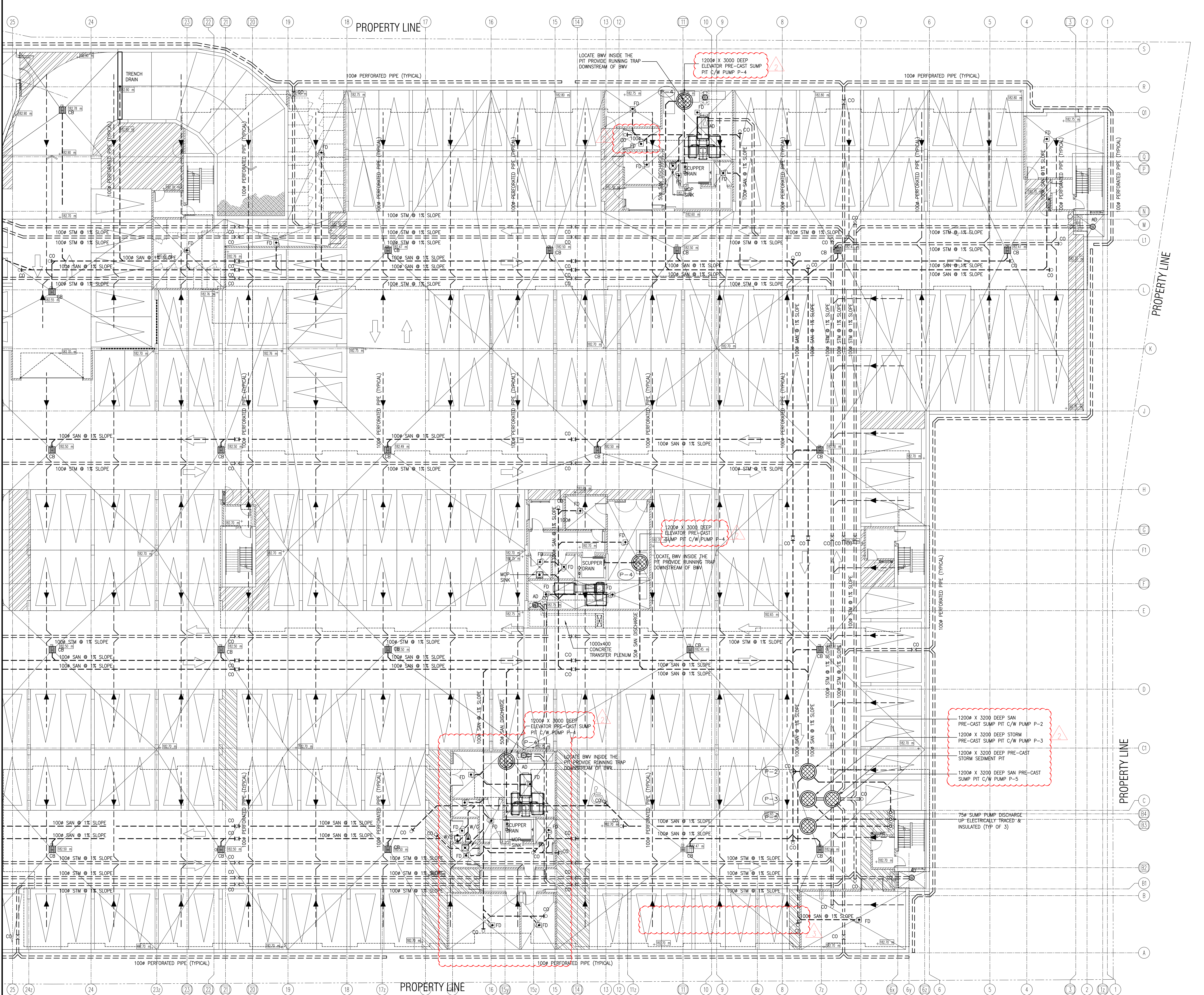


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TITLE
**UNDERGROUND DRAINAGE LAYOUT
MECHANICAL - PART 1**

PROJECT
**BRAMPTON STACKED
FORESTSIDE ESTATES**
ATTMAR + PALLESCI DRIVE
BRAMPTON, ONTARIO

DRAWN MC	CHECKED LM	SCALE 1:100
DATE MAY, 2019	PROJECT 18-017	DRAWING M-2A
		OF -



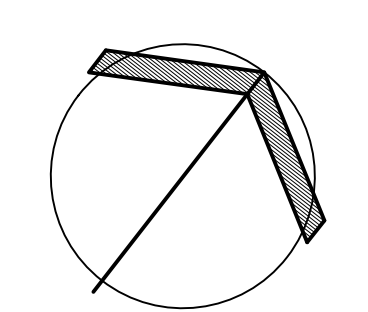
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01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE
REVISIONS			

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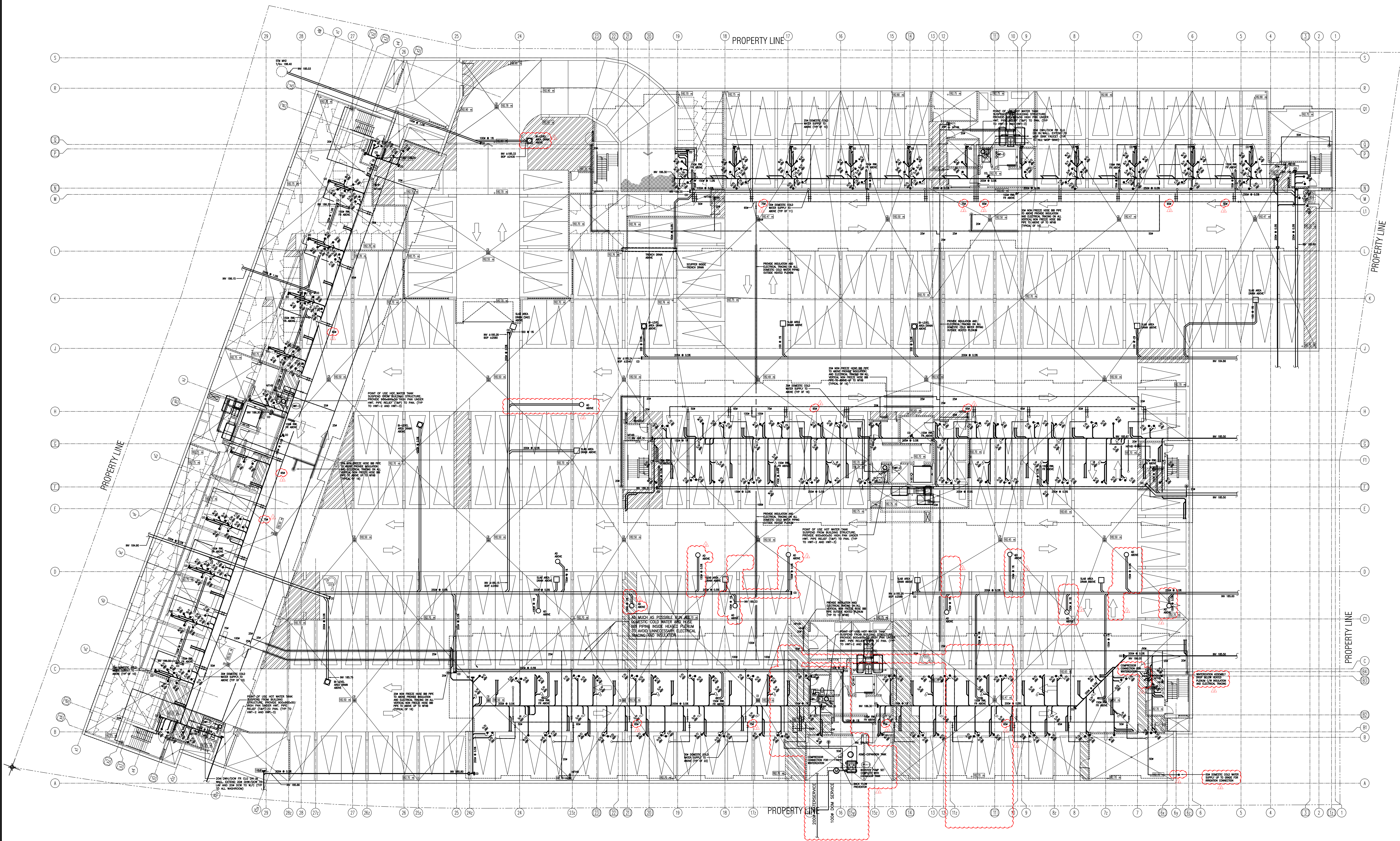
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PROJECT
UNDERGROUND DRAINAGE LAYOUT
MECHANICAL - PART 2

BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAR + PALLESCI DRIVE
BRAMPTON, ONTARIO

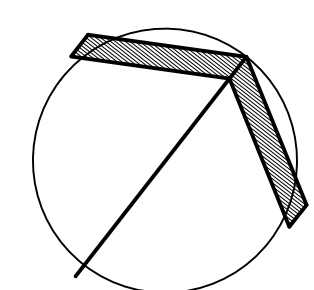
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DATE MAY, 2019	PROJECT 18-017	DRAWING M-2B
		OF



03	RC	ADDENDUM #02	SEP. 13, 2019
02	RC	ADDENDUM #01	AUG. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE

REVISIONS

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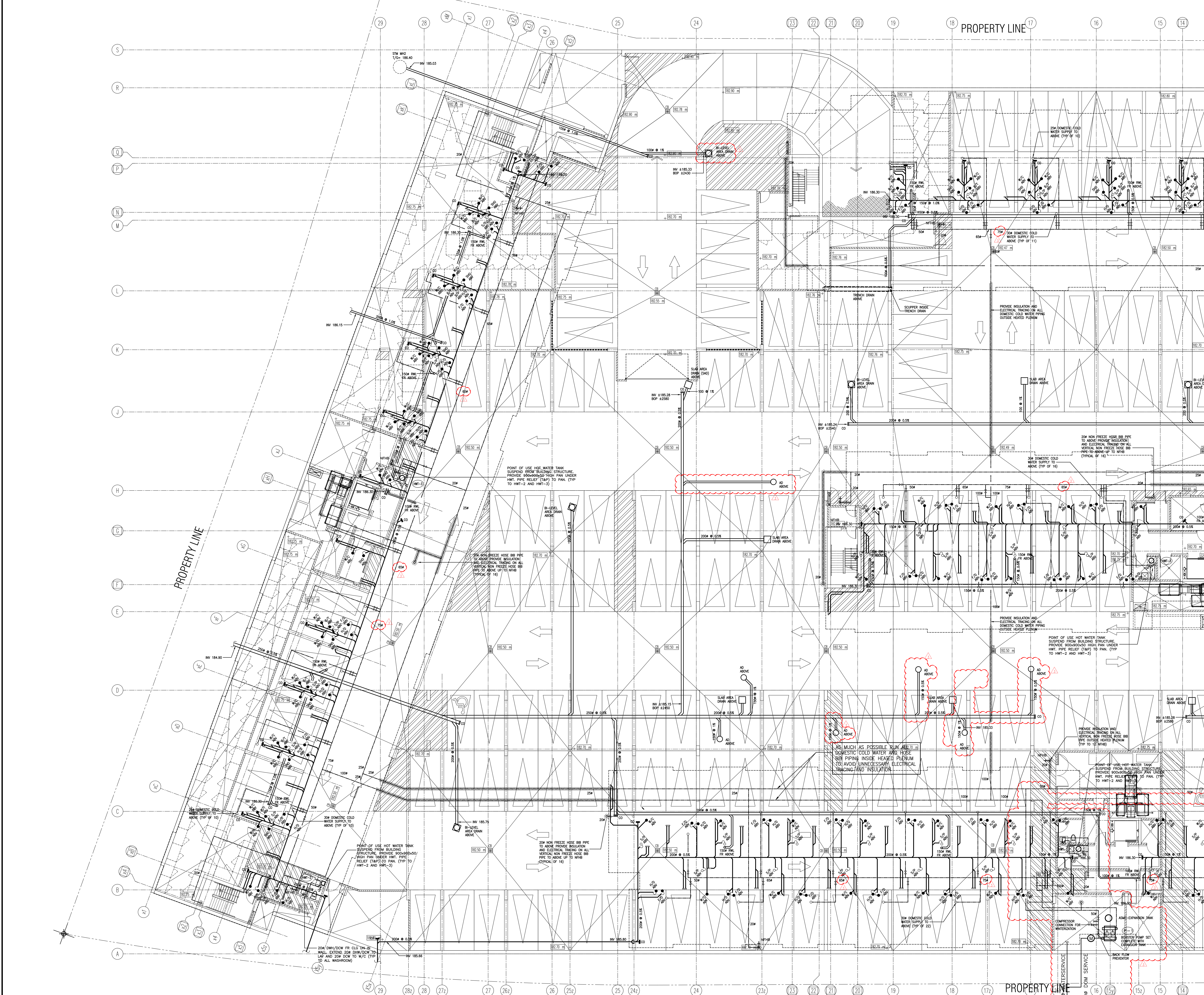
TITLE
PARKING LEVEL - PLUMBING
MECHANICAL

PROJECT

BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAR + PALLESCI DRIVE
BRAMPTON, ONTARIO

DRAWN	MC	CHECKED	LM	SCALE	1:150
DATE	MAY, 2019	PROJECT	18-017	DRAWING	M-3
				OF	



03	RC	ADDENDUM #02	SEP. 13, 2019
02	RC	ADDENDUM #01	AUG. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE

REVISIONS	
NO.	DESCRIPTION
1	AS MUCH AS POSSIBLE RUN ALL 1/2" DOMESTIC COLD WATER AND HOSE BB PIPING INSIDE HEATED PLENUM TO AVOID UNNECESSARY ELECTRICAL TRACING AND INSULATION

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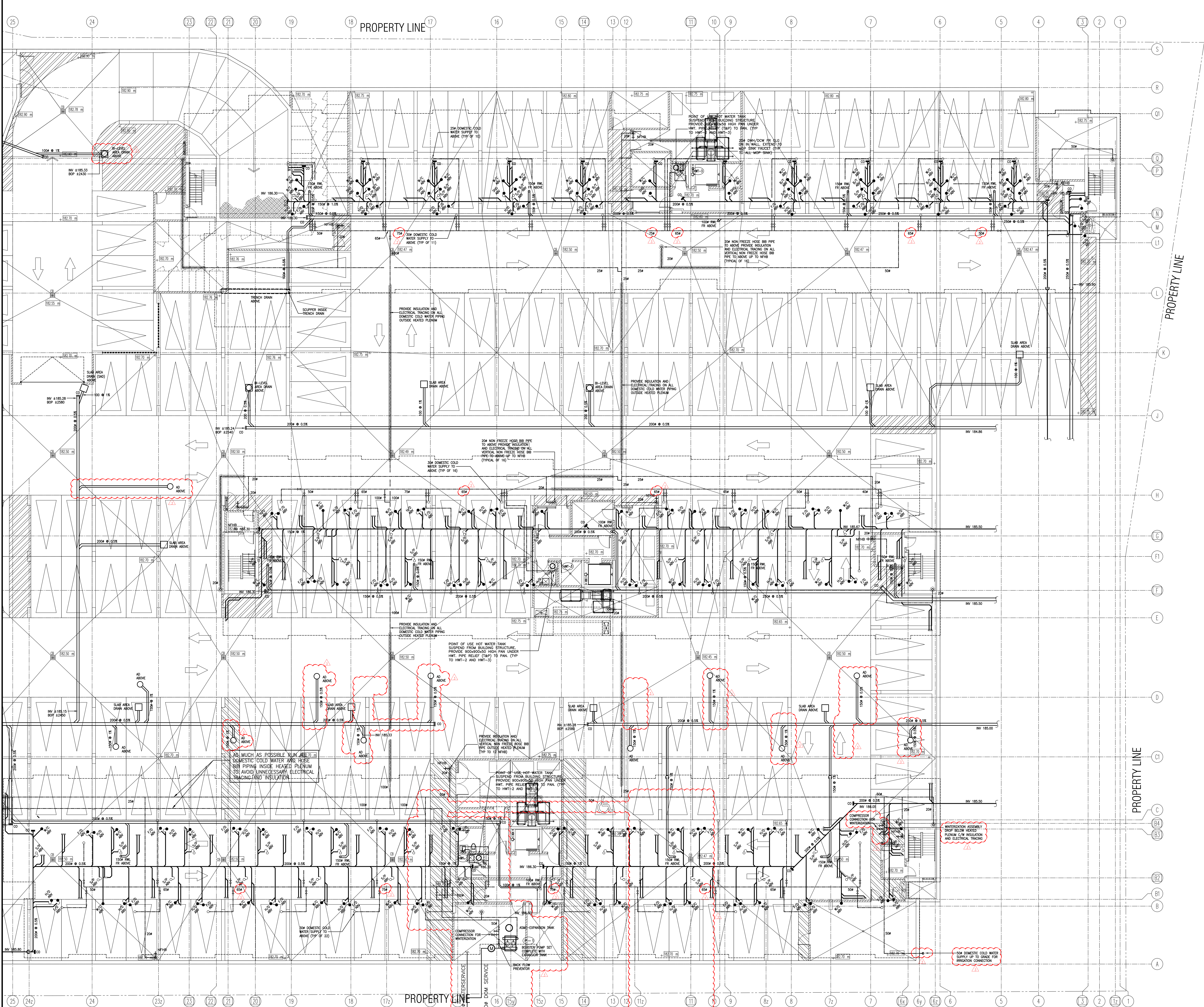
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TITLE: PARKING LEVEL - PLUMBING MECHANICAL - PART 1

PROJECT: BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAY + PALLESCI DRIVE BRAMPTON, ONTARIO

DRAWN	CHECKED	SCALE
MC	LM	1:100
DATE	PROJECT	DRAWING
MAY, 2019	18-017	M-3A
		OF



NO.	BY	DESCRIPTION	DATE
03	RC	ADDENDUM #02	SEP. 13, 2019
02	RC	ADDENDUM #01	AUG. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019

REVISIONS	
NO.	DESCRIPTION
1	AS MUCH AS POSSIBLE RUN 1/2" DOMESTIC COLD WATER AND HOSE BIB PIPING INSIDE HEATED PLENUM TO AVOID UNNECESSARY ELECTRICAL TRACING AND INSULATION
2	WINTERIZATION ASSEMBLY DROP BELOW HEATED PLENUM C/W INSULATION AND ELECTRICAL TRACING
3	30" DOMESTIC COLD WATER SUPPLY UP TO GRADE FOR IRRIGATION CONNECTION

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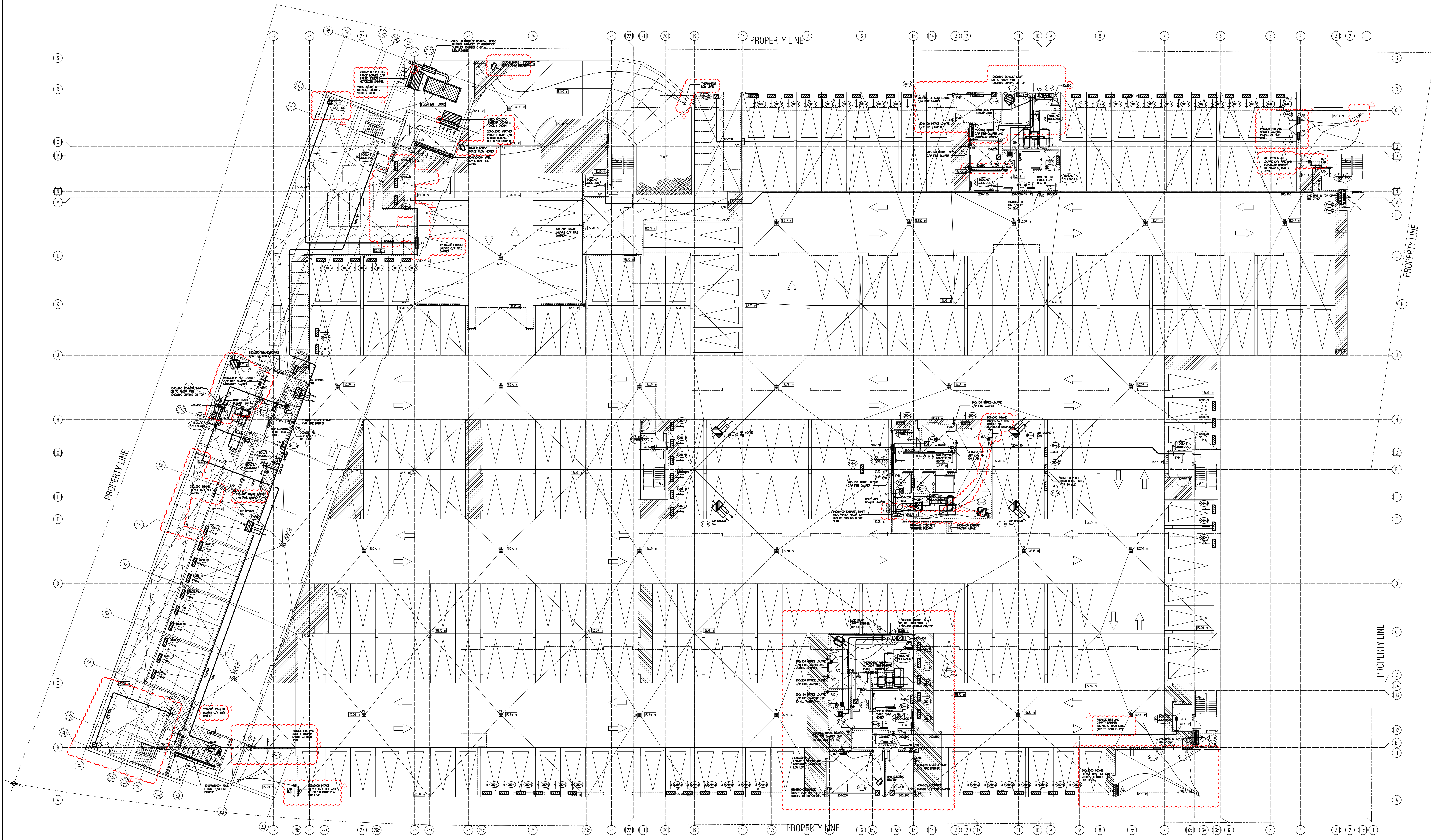
TITLE
PARKING LEVEL - PLUMBING
MECHANICAL - PART 2

PROJECT
BRAMPTON STACKED FORESTSIDE ESTATES

ATTNAR + PALLESCI DRIVE
BRAMPTON, ONTARIO

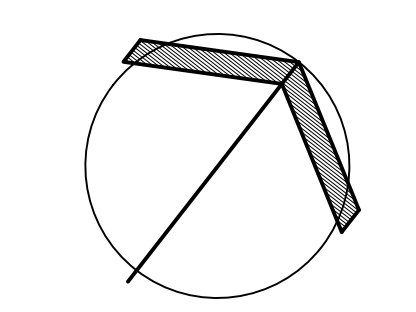
DRAWN	CHECKED	SCALE
MC	LM	1:100

DATE	PROJECT	DRAWING
MAY, 2019	18-017	M-3B



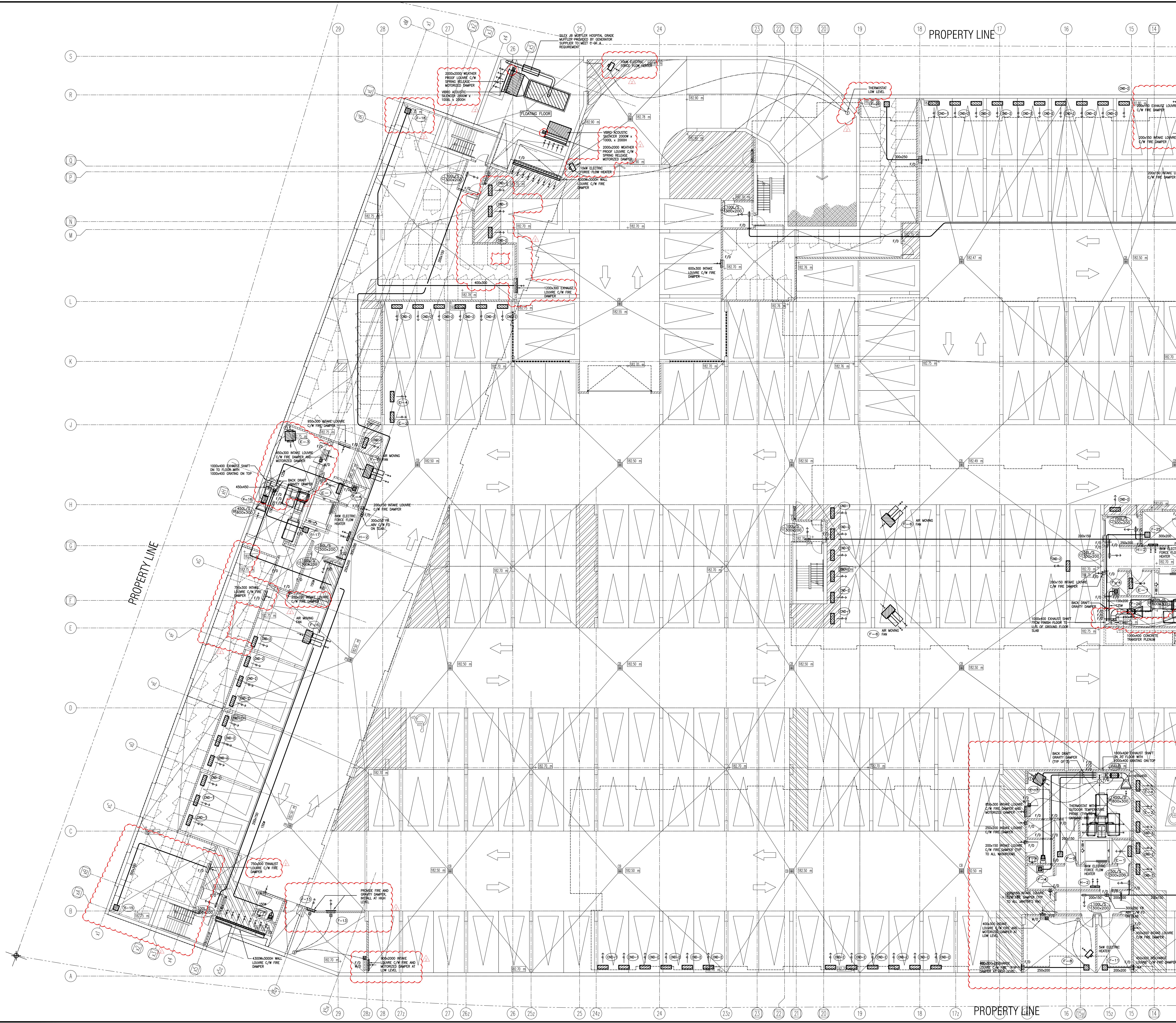
02	RC	ADDENDUM #02
01	RC	ISSUED FOR TENDER
NO. BY		DESCRIPTION
		DATE
REVISIONS		

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TITLE PARKING LEVEL - HVAC MECHANICAL	
PROJECT BRAMPTON STACKED FORESTSIDE ESTATES	
ATTMAR + PALLESCI DRIVE BRAMPTON, ONTARIO	
DRAWN MC	CHECKED LM
DATE MAY, 2019	SCALE 1:150
PROJECT 18-017	DRAWING M-4
	OF



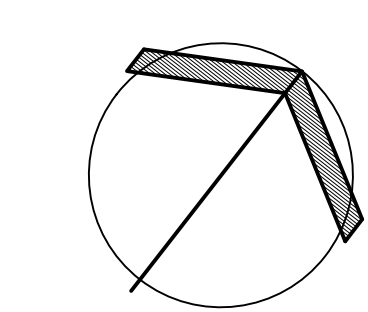
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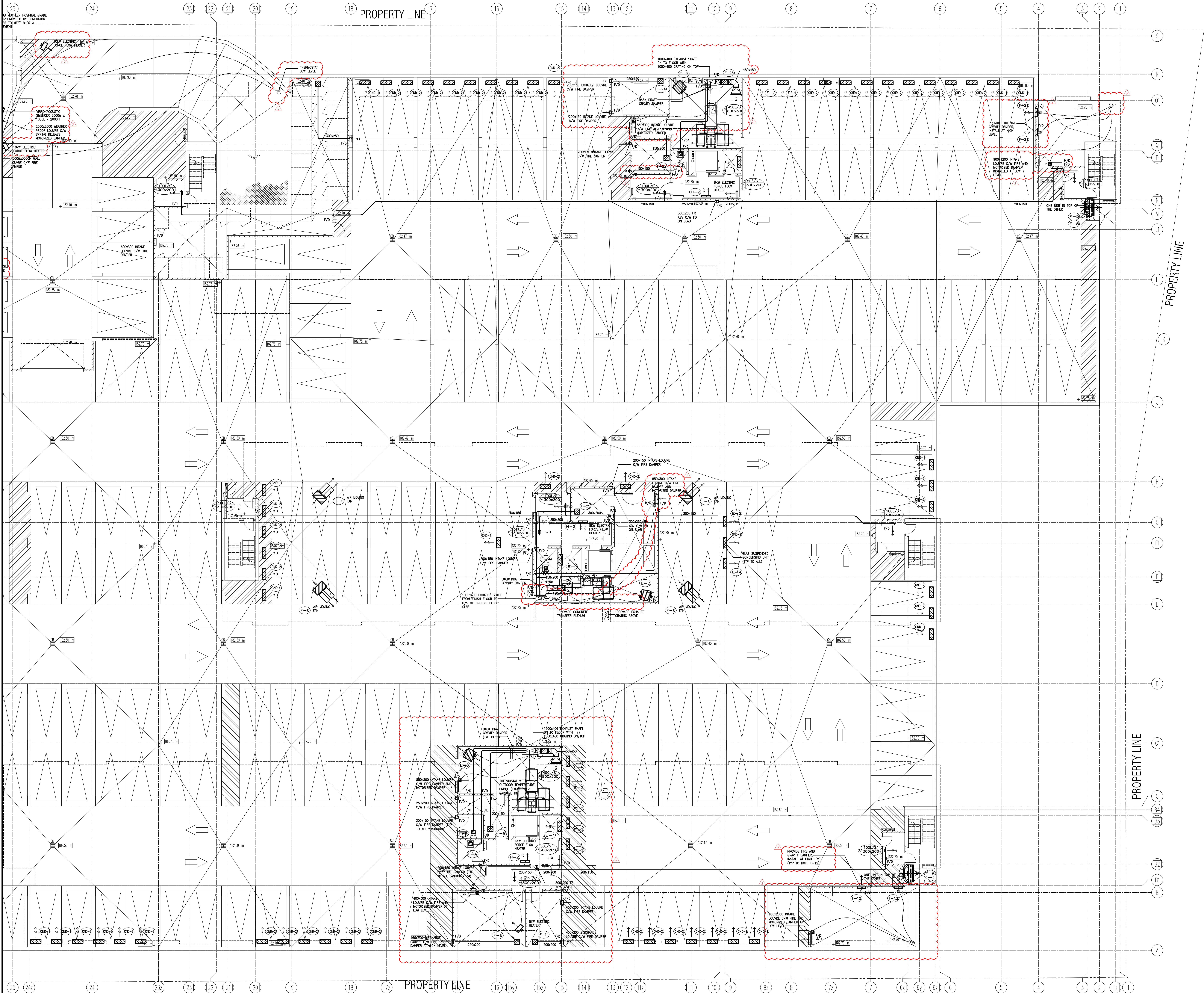
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Tel: (416) 596 1999, Fax: (416) 596 1933

TITLE
PARKING LEVEL - HVAC
MECHANICAL - PART 1

PROJECT
BRAMPTON STACKED
FORESTSIDE ESTATES

**ATTMAY + PALLESCI DRIVE
BRAMPTON, ONTARIO**

DRAWN MC	CHECKED LM	SCALE 1:100
DATE MAY, 2019	PROJECT 18-017	DRAWING M-4A
		OF



REVISIONS		
NO.	DESCRIPTION	DATE
02	ADDENDUM #02	SEP. 13, 2019
01	ISSUED FOR TENDER	AUG. 02, 2019

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UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
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Tel: (416) 596 1599, Fax: (416) 596 1933

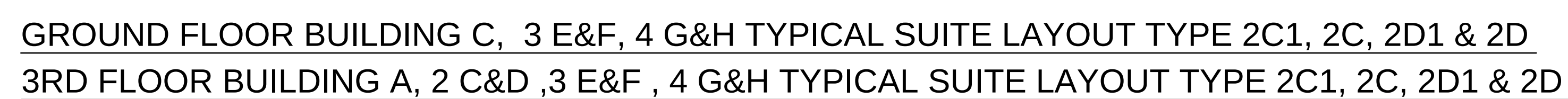
TITLE
PARKING LEVEL - HVAC
MECHANICAL - PART 2

PROJECT
BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAY + PALLESCI DRIVE
BRAMPTON, ONTARIO

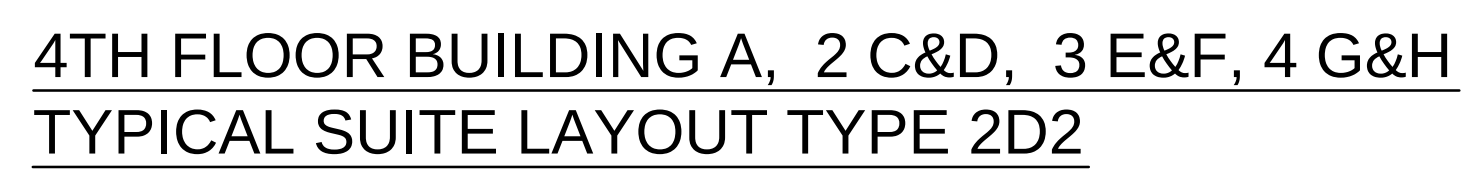
DRAWN	CHECKED	SCALE
LM	LM	1:100

DATE	PROJECT	DRAWING
MAY, 2019	18-017	M-4B



REVISIONS	
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DATE MAY, 2019	PROJECT 18-017	DRAWING M-46 OF



02	RC	ADDENDUM #02	SEP. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE

REVISIONS

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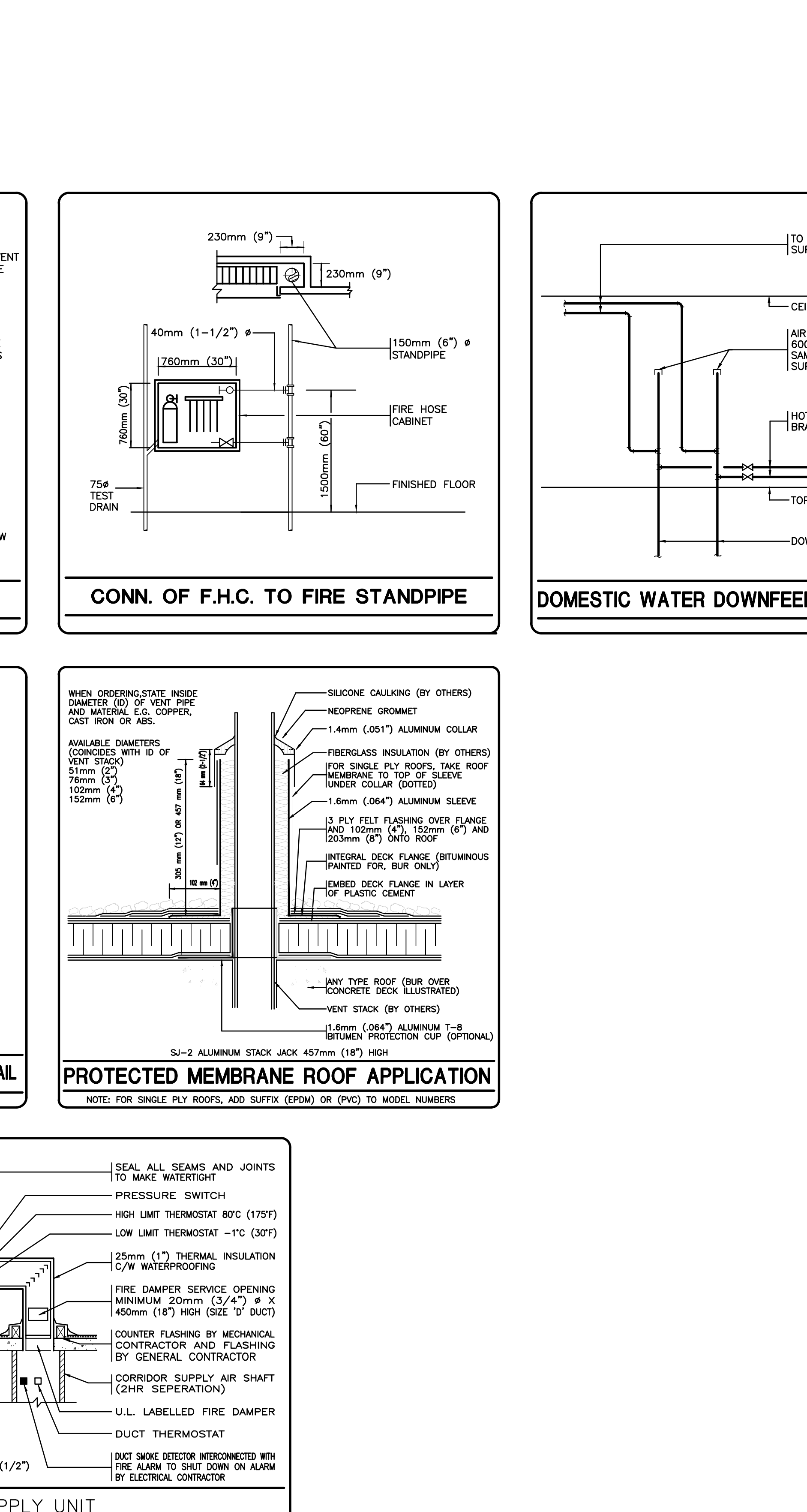
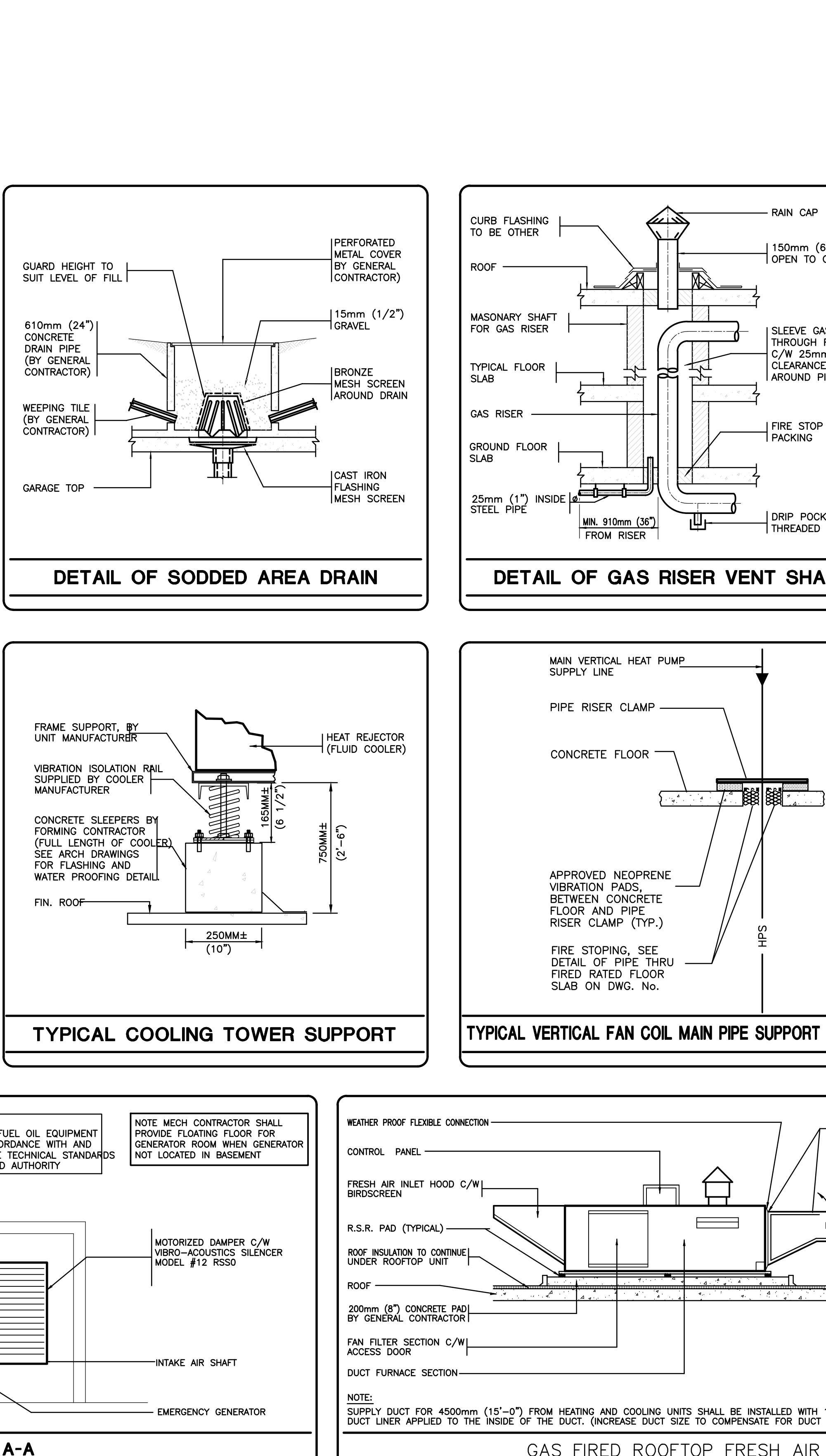
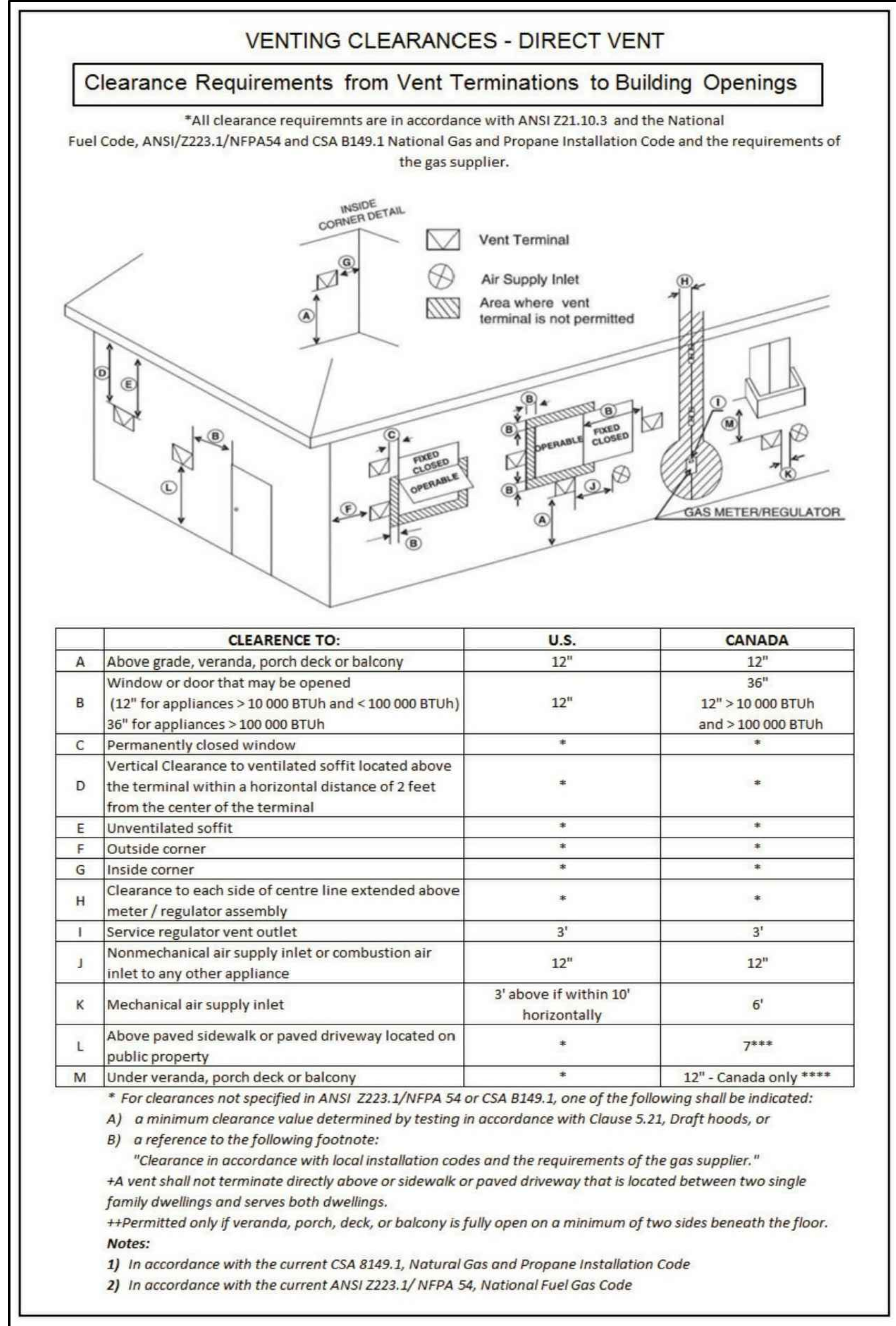
TITLE
**TYPICAL SUITES LAYOUT
MECHANICAL**

PROJECT

**BRAMPTON STACKED
FORESTSIDE ESTATES**

ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO

DRAWN MC	CHECKED LM	SCALE 1:50
DATE MAY, 2019	PROJECT 18-017	DRAWING M-47
		OF



02	RC	ADDENDUM #02	SEP. 13, 2019
01	RC	ISSUED FOR TENDER	AUG. 02, 2019
NO.	BY	DESCRIPTION	DATE

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