

WASTE MANAGEMENT NOTES:

GENERAL DESIGN REQUIREMENTS

- a) INTERNAL ROADWAYS MUST BE CONSTRUCTED OF A HARD SURFACE MATERIAL, SUCH AS ASPHALT, CONCRETE OR LOCKSTONE, AND DESIGNED TO SUPPORT A MINIMUM OF 35 TONNES, THE WEIGHT OF A FULLY LOADED WASTE COLLECTION VEHICLE.
- b) ROAD LAYOUTS SHALL BE DESIGNED TO PERMIT A WASTE COLLECTION VEHICLE TO DRIVE FORWARD WITHOUT REVERSING FOR WASTE COLLECTION. WHERE THE REQUIREMENT FOR A ROAD LAYOUT PERMITTING FORWARD MOVEMENT OF A WASTE COLLECTION VEHICLE CANNOT BE MET, A CUL-DE-SAC OR A T-TURNAROUND SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS SHOWN IN APPENDICES 2 AND 3, RESPECTIVELY.
- c) ALL ROADS SHALL BE DESIGNED TO HAVE A MINIMUM WIDTH OF 6 METRES.
- d) THE TURNING RADIUS FROM THE CENTRE LINE MUST BE A MINIMUM OF 13 METRES ON ALL TURNS.
- e) THE MAXIMUM GRADE PERMITTED ALONG THE WASTE COLLECTION VEHICLE ACCESS ROUTE IS 8 PER CENT.
- f) IN A SITUATION WHERE A WASTE COLLECTION VEHICLE MUST REVERSE, THE MAXIMUM BACK-UP DISTANCE IS 15 METRES.
- g) THE WASTE COLLECTION VEHICLE SHALL NOT BE PERMITTED TO BACK-UP ONTO A MUNICIPAL ROAD ALLOWANCE.
- h) ALL DWELLING UNITS IN A DEVELOPMENT MUST BE RECEIVE THE SAME METHOD OF WASTE COLLECTION.

DESIGN REQUIREMENTS:

- a) RECYCLABLE MATERIALS MUST NOT BE COMPACTED.
- b) OF A CHUTE SYSTEM IS USED THEN SEPARATE CHUTES MUST BE PROVIDED FOR GARBAGE AND RECYCLABLE MATERIALS OR A SINGLE CHUTE CAN BE USED IF EQUIPPED WITH AN AUTOMATED MECHANICAL SEPARATION SYSTEM TO DIRECT GARBAGE AND RECYCLABLE MATERIALS INTO SEPARATE FRONT-END BINS.
- c) A CONCEALED COLLECTION POINT ON PRIVATE PROPERTY MUST BE PROVIDED. THE CONCEALED COLLECTION POINT MUST HAVE DIRECT AND SAFE ACCESS THAT DOES NOT REQUIRE THE WASTE COLLECTION VEHICLE TO BACK ONTO A MUNICIPAL ROAD FOLLOWING COLLECTION.
- d) A MINIMUM 18 METRE STRAIGHT HEAD-ON APPROACH TO THE COLLECTION POINT IS REQUIRED. THIS APPROACH IS TO BE LEVEL AND SOLID (MAX. 2% SLOPE) AND THE SAME WIDTH AS THE COLLECTION POINT.
- e) A MINIMUM CLEAR OF 7.5 METRES FROM THE CONCRETE PAD MUST BE PROVIDED AT THE COLLECTION POINT. THE CLEAR HEIGHT OF 7.5 METRES MUST BE FREE OF CONSTRUCTIONS SUCH AS SPRINKLER SYSTEMS, DUCTS, BALCONIES, WIRES AND TREES.
- f) OUTSIDE THE COLLECTION POINT, A CLEAR HEIGHT OF 4.4 METRES FROM THE TOP OF THE ACCESS ROAD MUST BE PROVIDED ALONG THE WASTE COLLECTION VEHICLE ACCESS AND EGRESS ROUTE. THE CLEAR HEIGHT OF 4.4 METRES MUST BE FREE OF OBSTRUCTIONS SUCH AS SPRINKLER SYSTEMS, DUCTS, BALCONIES, WIRES AND TREES.
- g) THE COLLECTION POINT SHOULD BE DESIGNED WITH SUFFICIENT AREA TO ELIMINATE THE NEED FOR PROPERTY MANAGEMENT STAFF TO JOCKEY FRONT-END BINS TO MAKE THEM ACCESSIBLE TO THE WASTE COLLECTION VEHICLE.
- h) THE MINIMUM WIDTH OF THE COLLECTION POINT MUST BE 3 METRES FOR EACH FRONT-END BIN. THE MINIMUM DEPTH OF THE COLLECTION POINT MUST BE 2 METRES FOR A 3-CUBIC YARD FRONT-END BIN AND 3 METRES FOR 4 AND 6-CUBIC YARD FRONT-END BINS. HOWEVER, WHERE THESE REQUIREMENTS CANNOT BE MET, RELIANCE ON PROPERTY MANAGEMENT STAFF TO FACILITATE WASTE COLLECTION WILL BE CONSIDERED AT THE COMMISSIONER'S DISCRETION, SUBJECT TO THE FOLLOWING CONDITIONS:
 - i. THE DRIVER IS NOT REQUIRED TO EXIT THE WASTE COLLECTION VEHICLE TO FACILITATE COLLECTION;
 - ii. PROPERTY MANAGEMENT STAFF IS RESPONSIBLE FOR JOCKEYING OF FRONT-END BINS DURING COLLECTION;
 - iii. THE REGION WILL NOT BE RESPONSIBLE FOR EMPTYING BINS THAT ARE INACCESSIBLE TO THE WASTE COLLECTION VEHICLE; AND
 - iv. PROPERTY MANAGEMENT STAFF MUST BE VISIBLE TO WASTE COLLECTION VEHICLE ON APPROACH TO THE SITE, OTHERWISE THE WASTE COLLECTION VEHICLE WILL NOT ENTER THE SITE.
- i) THE COLLECTION POINT INCLUDING THE NUMBER AND SIZE OF FRONT-END BINS) IS TO BE USED FOR GARBAGE AND THE NUMBER, SIZE AND TYPE OF RECYCLE RECEPTACLE(S) (FRONT-END BIN OR CART) ARE TO BE CLEARLY SHOWN AND LABELLED ON DRAWINGS (E.G. SITE PLAN, GROUND FLOOR PLAN, ETC.). THE DRAWINGS MUST ALSO SHOW THE WASTE COLLECTION VEHICLE'S ROUTE THROUGH THE DEVELOPMENT AND THE RADIUS OF EVERY TURN MUST BE LABELLED.

WASTE STORAGE ROOM REQUIREMENTS:

A WASTE STORAGE ROOM MUST BE OF SUFFICIENT AREA TO ACCOMMODATE THE REQUIRED NUMBER OF FRONT-END BINS AND / OR RECYCLING CARTS REQUIRED FOR THE DEVELOPMENT. IN ADDITION, A MINIMUM OF 10 SQUARE METRES MUST BE PROVIDED FOR THE STORAGE OF BULKY ITEMS.

INDOOR COLLECTION POINT REQUIREMENTS:

- a) A SOLID LEVEL (MAX. 2% SLOPE) AND REINFORCED CONCRETE PAD. THE CONCRETE PAD MUST BE OF NECESSARY STRENGTH TO PREVENT DIFFERENTIAL SETTLEMENT AND / OR CRACKING THAT WOULD AFFECT WASTE COLLECTION.
- b) A MINIMUM WIDTH OF 6 METRES FOR THE STORAGE OF MULTIPLE FRONT-END BINS; AND
- c) AN UNOBSTRUCTED DISTANCE OF A MINIMUM OF 18 METRES MUST BE PROVIDED TO ENABLE THE WASTE COLLECTION VEHICLE TO WHOLLY ENTER THE INDOOR COLLECTION POINT.

MIXED USE BUILDING

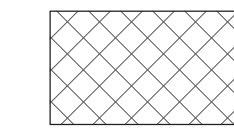
FOR DWELLING UNITS WITHIN MIXED USE BUILDING, THE REGION WILL PROVIDE COLLECTION OF RECYCLABLE MATERIALS, BULKY ITEMS, GARBAGE AND YARD WASTE COLLECTION COMPANY WILL BE REQUIRED FOR INDUSTRIAL, COMMERCIAL, OR INSTITUTIONAL WASTE.

MIXED USE BUILDING WITH 60 OR MORE DWELLING UNITS MUST SET-OUT FRONT-END BINS FOR GARBAGE AND FRONT-END BINS FOR RECYCLABLE MATERIALS.

RESIDENTIAL WASTE MUST BE SEPARATED FROM INDUSTRIAL, COMMERCIAL, OR INSTITUTIONAL WASTE. COLLECTION POINTS FOR RESIDENTIAL AND INDUSTRIAL, COMMERCIAL, OR INSTITUTIONAL WASTE MUST BE SEPARATED AND CLEARLY SHOWN ON SITE PLAN DRAWINGS.

LOADING SPACE:

- RESIDENTIAL: 1 OF TYPE 'C' - 13.0m X 4.0m X 6.1m CLEARANCE
- RETAIL: 1 OF TYPE 'C' - 6.0m X 3.5m X 3.0m CLEARANCE



ACCESS ROUTE

PROPOSED ACCESS ROUTE FOR WASTE COLLECTION VEHICLE TO HAVE MINIMUM 4.4m VERTICAL CLEARANCE THROUGHOUT AND DESIGNED TO SAFELY SUPPORT 35,000kg STRUCTURAL ENGINEER TO DESIGN AREA TO CONFORM AS FOLLOWS:
 (A) DESIGN CODE - ONTARIO BUILDING CODE
 (B) DESIGN LOAD - CITY BULK LIFT VEHICLE IN ADDITION TO BUILDING CODE REQUIREMENTS
 (C) IMPACT FACTOR - 5% FOR MAXIMUM VEHICLE SPEEDS TO 15KM/H AND 20% FOR HIGHER SPEEDS



LOADING AREA

THE ENTIRE LOADING AREA MUST BE CONSTRUCTED OF 8" (0.2m) THICK REINFORCED CONCRETE, WITH GRADE NOT TO EXCEED 2%.

TRAINED ON-SITE CUSTODIAL STAFF MUST BE AVAILABLE TO MANEUVER BINS FOR THE COLLECTION DRIVER AND ALSO ACT AS A SIGNAL PERSON WHEN THE TRUCK IS REVERSING. IN THE EVENT THE ON-SITE STAFF MEMBER IS UNAVAILABLE AT THE TIME THE CITY COLLECTION VEHICLE ARRIVES ON SITE, THE COLLECTION VEHICLE WILL LEAVE THE SITE AND NOT RETURN UNTIL THE NEXT SCHEDULED COLLECTION DAY.

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Date:



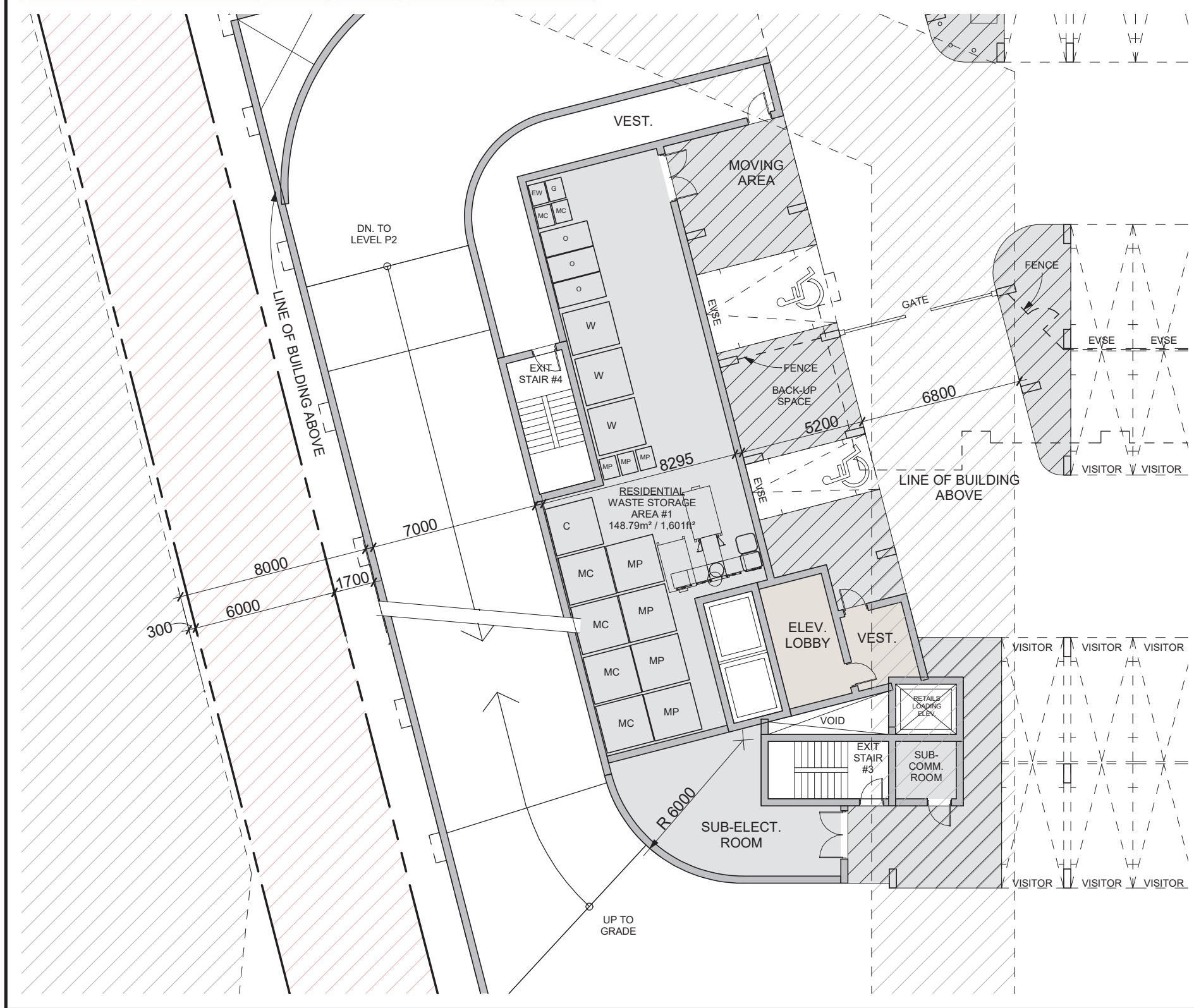
20 De Boers Drive Suite 400
 Toronto, ON M3J 0H1

Revisions:	
No.:	Revision:
	Date:

Waste Management and Loading Notes **4**
 NTS dA1.05

Streams	Equipment	Length (m)	Width (m)	Number of Totes	M2
Mixed Containers	3-yard Container	2.03	2.01	4	16.3212
Mixed Paper	3-yard Container	2.03	2.01	4	16.3212
Glass	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Organics	3-yard Container	2.03	1.07	3	6.5163
Cardboard	3-yard Container	2.03	2.01	1	4.0803
E-waste	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Waste	3-yard Container	2.03	2.01	3	12.2409
Compactor	Tri Sorter	2.71	0.933	1	2.52843
TOTAL m2					59.23653

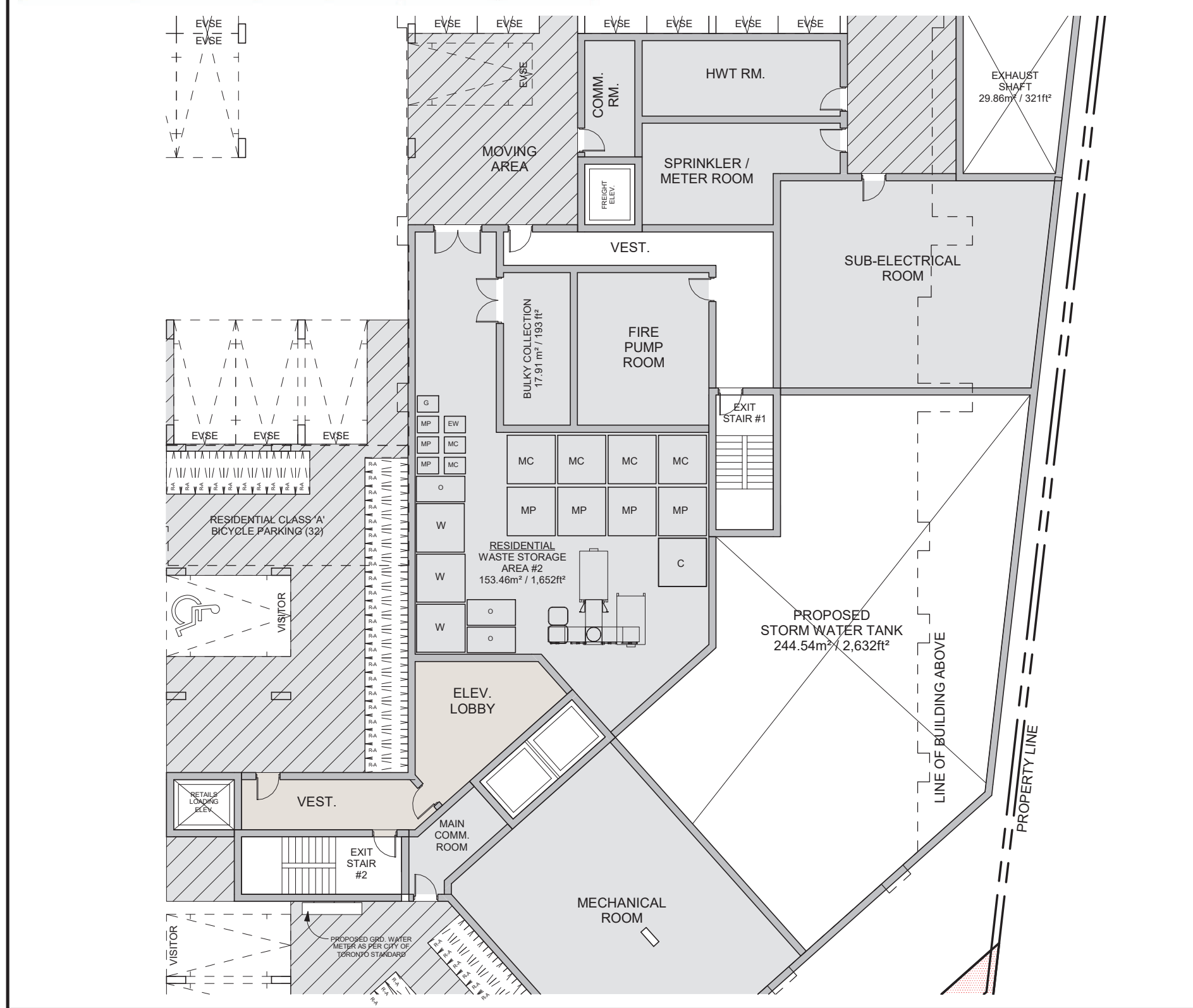
Streams	Equipment	Length (m)	Width (m)	Number of Totes	M2
Mixed Containers	3-yard Container	2.03	2.01	4	16.3212
Mixed Paper	3-yard Container	2.03	2.01	4	16.3212
Glass	95 gallon/360 L Totes	0.89	0.69	1	0.6141
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Cardboard	3-yard Container	2.03	2.01	1	4.0803
E-waste	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Waste	3-yard Container	2.03	2.01	3	12.2409
Compactor	Tri Sorter	2.71	0.933	1	2.52843
TOTAL m2					59.23653



Residential Waste Room #1 - Floor Plan Level P1 **3**
 1 : 200 dA1.05

Streams	Equipment	Length (m)	Width (m)	Number of Totes	M2
Mixed Containers	3-yard Container	2.03	2.01	4	16.3212
Mixed Paper	3-yard Container	2.03	2.01	4	16.3212
Glass	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Organics	3-yard Container	2.03	1.07	3	6.5163
Cardboard	3-yard Container	2.03	2.01	1	4.0803
E-waste	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Waste	3-yard Container	2.03	2.01	3	12.2409
Compactor	Tri Sorter	2.71	0.933	1	2.52843
TOTAL m2					59.23653

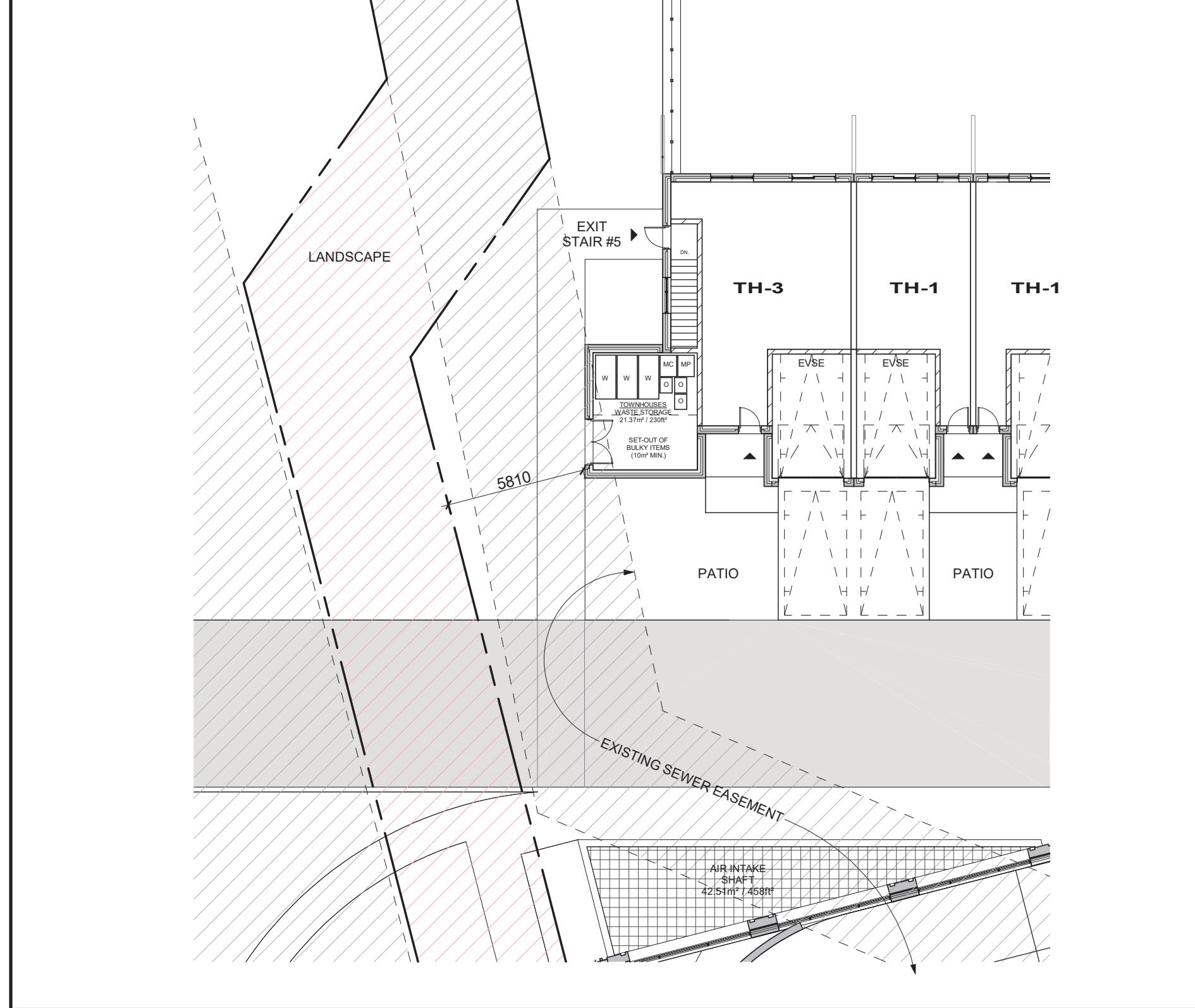
Streams	Equipment	Length (m)	Width (m)	Number of Totes	M2
Mixed Containers	3-yard Container	2.03	2.01	4	16.3212
Mixed Paper	3-yard Container	2.03	2.01	4	16.3212
Glass	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Organics	3-yard Container	2.03	1.07	3	6.5163
Cardboard	3-yard Container	2.03	2.01	1	4.0803
E-waste	95 gallon/360 L Totes	0.89	0.69	1	0.6141
Waste	3-yard Container	2.03	2.01	3	12.2409
Compactor	Tri Sorter	2.71	0.933	1	2.52843
TOTAL m2					59.23653



Residential Waste Room #2 - Floor Plan Level P1 **2**
 1 : 200 dA1.05

Streams	Equipment	Length (m)	Width (m)	Number of Equipment	M2
Mixed Containers	95 gallon/360 L Totes	0.89	0.69	1	0.61
Mixed Paper	95 gallon/360 L Totes	0.89	0.69	1	0.61
Organics	64 gallon/240 L Totes	0.64	0.51	3	0.98
Waste	Cart	1.836	0.851	2	3.12
TOTAL m2					5.33

Streams	Equipment	Length (m)	Width (m)	Number of Equipment	M2
Mixed Containers	95 gallon/360 L Totes	0.89	0.69	1	0.61
Mixed Paper	95 gallon/360 L Totes	0.89	0.69	1	0.61
Organics	64 gallon/240 L Totes	0.64	0.51	3	0.98
Waste	Cart	1.836	0.851	2	3.12
TOTAL m2					5.33



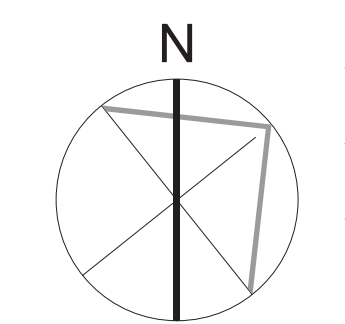
Townhouse Waste Room - Floor Plan Level 1 **1**
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2	Rezoning Re-submission	June 23, 2023
1	Rezoning Submission	Oct. 31, 2022
No.:	Issued For:	Date:

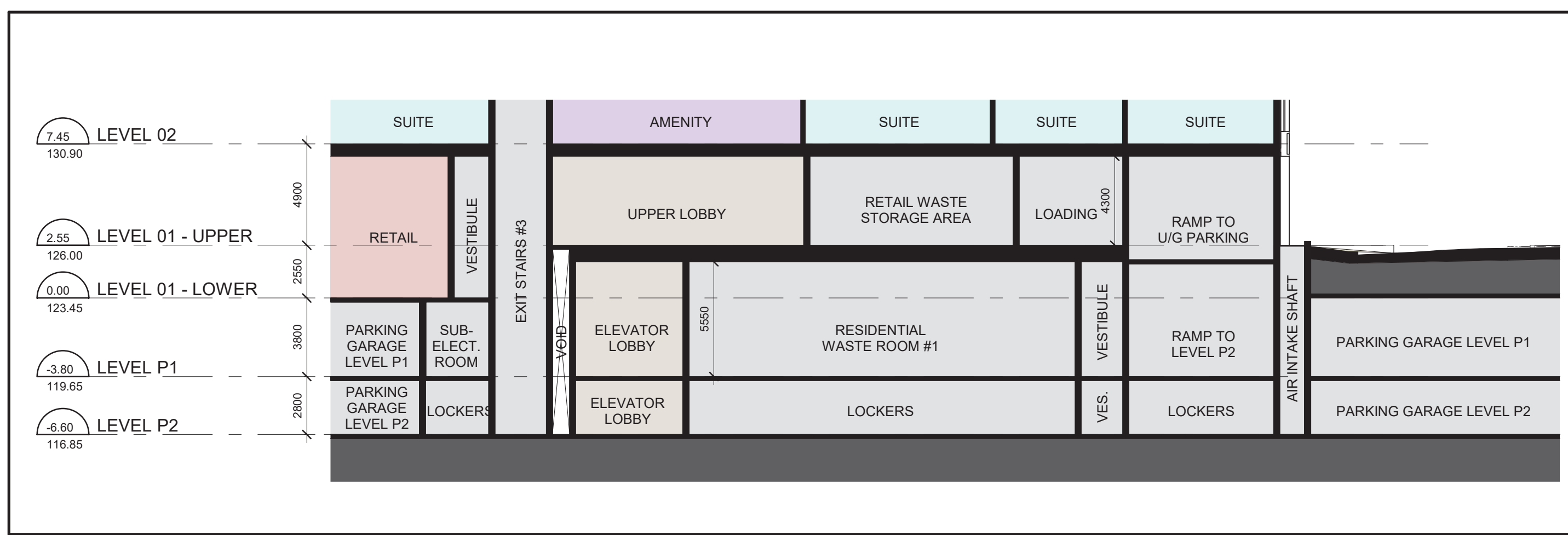
Client:
KJC PROPERTIES INC.
 805 Dundas Street East, Mississauga, ON.
 Proposed Residential Development

Waste Management Plans

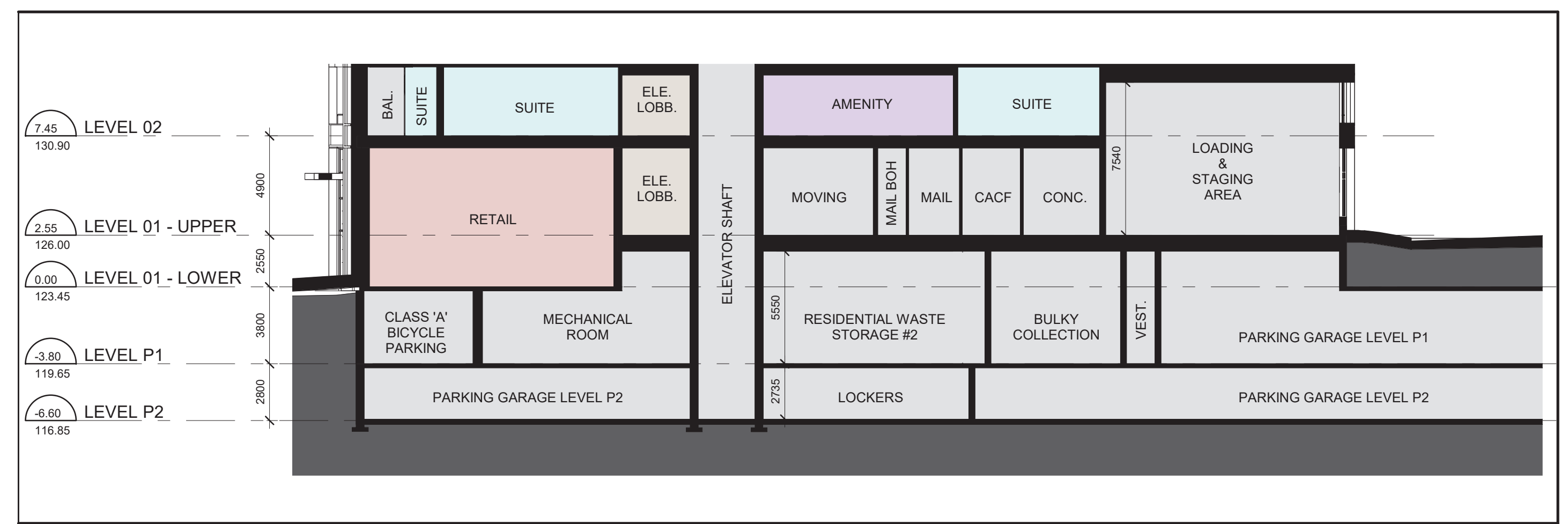
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 As indicated
 Drawn by:
 S.Y.
 Checked by:
 D.S.
 Project No.:
 21-115
 Date:
 JUNE 22, 2023
 Drawing No.:



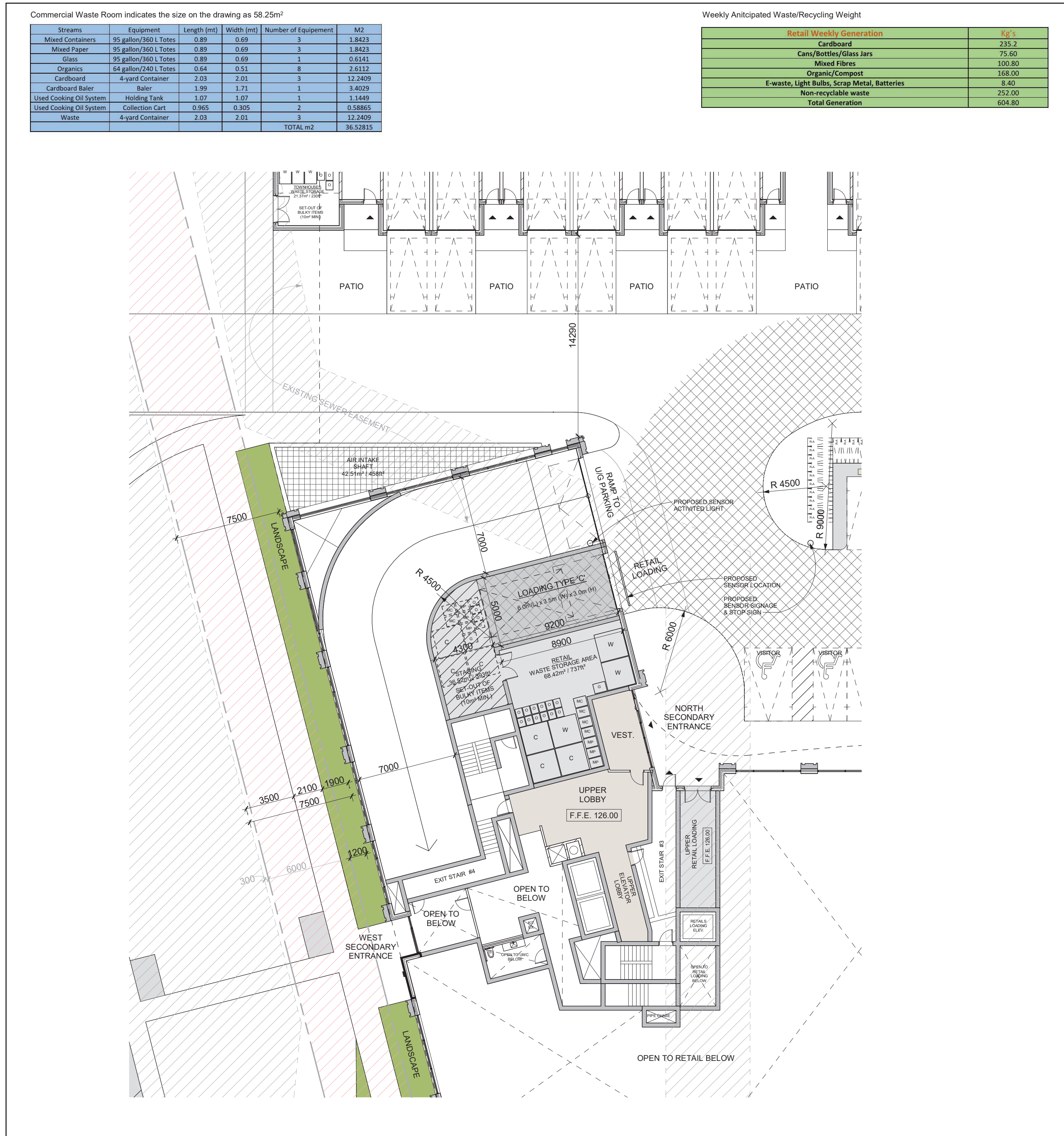
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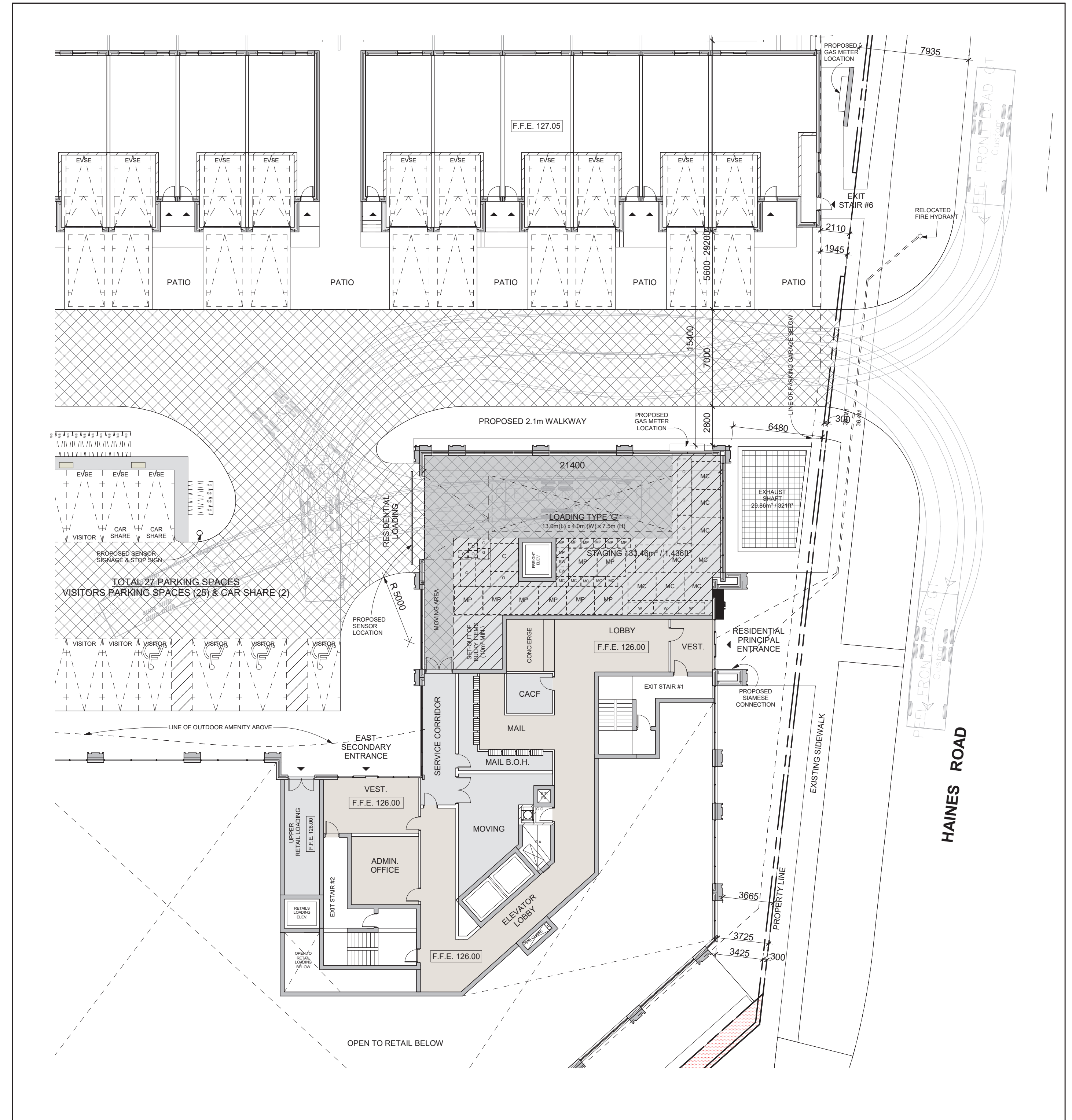
Retail Loading Section 4
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Residential Loading Section 3
1 : 200 dA1.06



Retail Waste Area and Loading - Floor Plan Level 1
1 : 200 dA1.06



Residential Loading - Floor Plan Level 1
1 : 200 dA1.06

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Date:

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ARCHITECTS AND PLANNERS

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Revisions:

No.	Revision	Date
2	Rezoning Re-submission	June 23, 2023
1	Rezoning Submission	Oct. 31, 2022

No.: Issued For: Date:

Client:
KJC PROPERTIES INC.

805 Dundas Street East, Mississauga, ON.
Proposed Residential Development

Drawing Title:
Waste Management Plans

Scale:
1 : 200

Drawn by:
S.Y.

Checked by:
D.S.

Project No.:
21-115

Date:
JUNE 22, 2023

Drawing No.:
dA1.06

Client:
KJC PROPERTIES INC.

805 Dundas Street East, Mississauga, ON.
Proposed Residential Development

Drawing Title:
Waste Management Plans

Scale:
1 : 200

Drawn by:
S.Y.

Checked by:
D.S.

Project No.:
21-115

Date:
JUNE 22, 2023

Drawing No.:
dA1.06