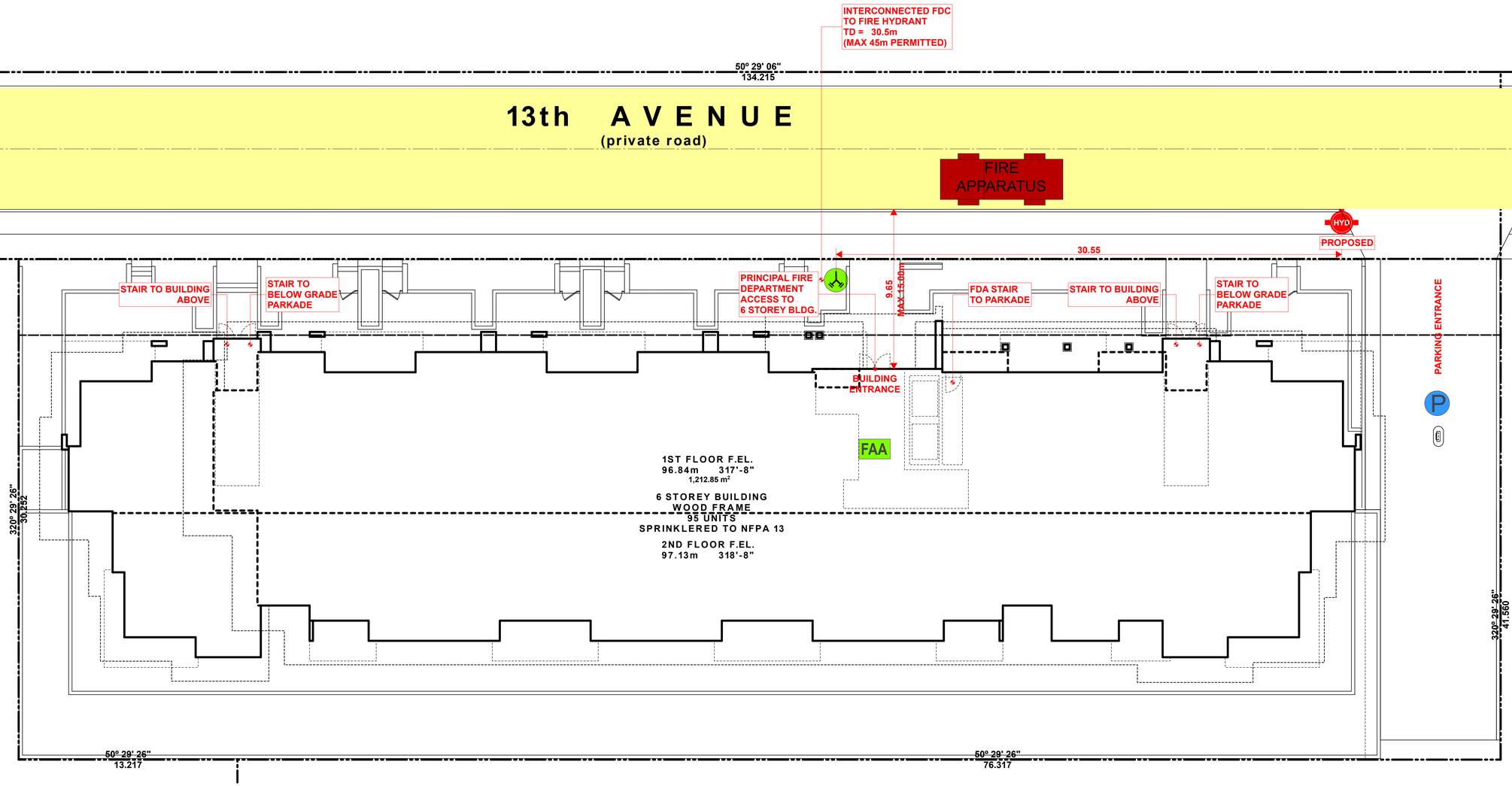

LEGEND

TRAVEL DISTANCE	FIRE HYDRANT
LIMITING DISTANCE	SPRINKLER/STANDPIPE CONNECTION
0HR FIRE SEPARATION	FIRE ALARM ANNUNCIATOR
3/4HR FIRE SEPARATION	STANDPIPE
1HR FIRE SEPARATION	VEHICLE ENTRANCE TO PARKADE
1 1/2HR FIRE SEPARATION	STROBE LIGHT
2HR FIRE SEPARATION	SMOKE VESTIBULE
2 HR FIREWALL	OCCUPANT LOAD (TOP) EXIT CAPACITY (BOTTOM)
WATER CURTAIN SPRINKLER SYSTEM	
FIRE RATED GLAZING SYSTEM	
WIRED GLASS GLAZING WITH SPRINKLER PROTECTION	

FIRE DEPARTMENT ACCESS ROUTE REQUIREMENTS (FROM BURNABY FIRE PREVENTION'S FIRE TRUCK ACCESS BULLETIN)

- 7.3 m WIDE FIRE TRUCK ACCESS ROUTE
- A TURNAROUND FACILITY IS REQUIRED FOR DEAD-END PORTION OF A FIRE TRUCK ACCESS ROUTE EXCEEDING 90m
- 13.0m TURNING RADIUS
- MINIMUM 15 m LENGTH OF TURNAROUND FACILITIES
- SLOPE OF ACCESS RO AD MUST NOT EXCEED 1 IN 12.5 OVER A MIN. DISTANCE OF 15 m
- SIGNS MUST BE POSTED PROHIBITING PARKING IN FIRE DEPARTMENT LANE(S)
- FIRE TRUCK ACCESS ROADS MUST BE CONSTRUCTED TO WITHSTAND A WEIGHT OF 36,287 kg (80,000 lbs). CONSTRUCTION MATERIAL MUST ENSURE ACCESSIBILITY UNDER ALL CLIMATIC CONDITIONS

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[CLIENT]

LEDINGHAM McALLISTER

Building BC since 1905

[PROJECT]

RESIDENTIAL DEVELOPMENT

SOUTHGATE - LOT G6
BURNABY, BC

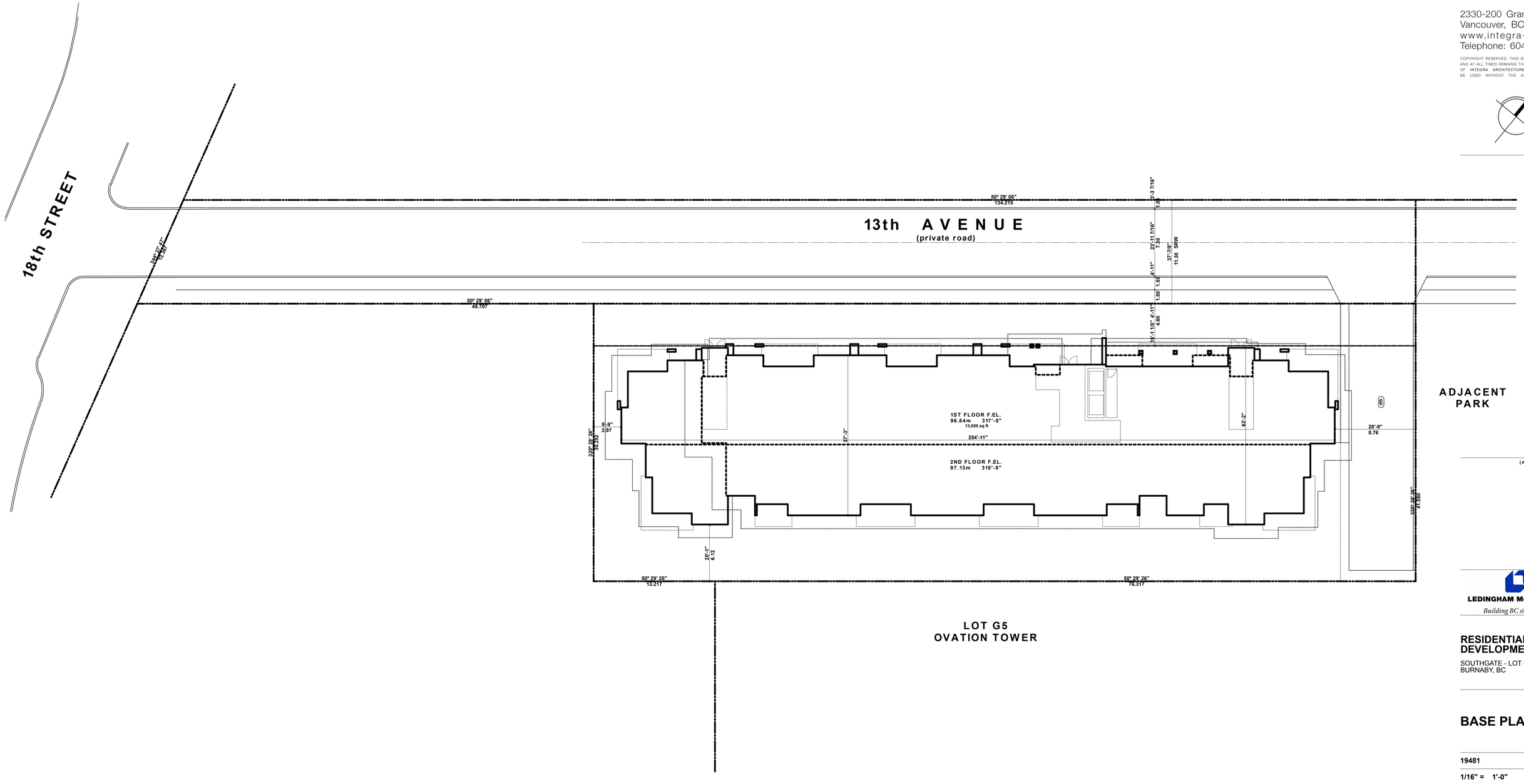
[TITLE]

FIRE ACCESS PLAN

19481	[PROJECT]
3/32" = 1'-0", 1:133.33	[SCALE]
JULY 26, 2019	[DATE]
2 - REZONING	[ISSUE]

[DRAWING]

A-1.001



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[PROJECT]

RESIDENTIAL DEVELOPMENT

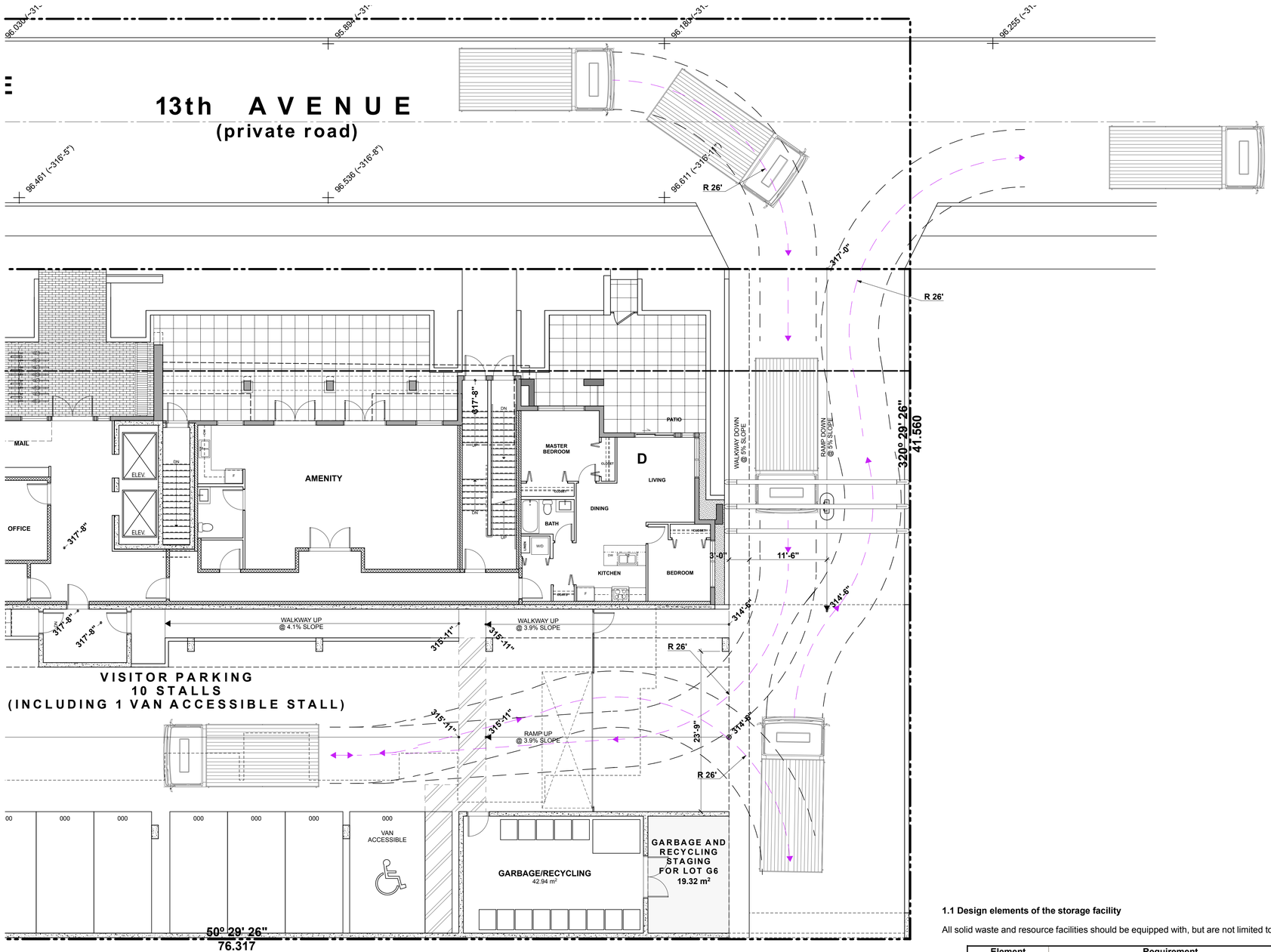
SOUTHGATE - LOT G6
BURNABY, BC

[TITLE]

BASE PLAN

19481	[PROJECT]
1/16" = 1'-0"	[SCALE]
JULY 26, 2019	[DATE]
2 - REZONING	[ISSUE]
	[DRAWING]

A-1.002



Waste & Recycling						
Min. Waste & Resource Storage Area	the greater of			54 sq.ft.	5 m2	
or	95 units @	0.44	m2/unit	**450 sq.ft.**	**42 m2**	
to a max. area of				1076 sq.ft.	100 m2	
Optional Bulky Storage Required	the greater of			215 sq.ft.	20 m2	
	95 units @	0.22	m2/unit	225 sq.ft.	21 m2	
Organic waste/food scraps	95 units @	1 tote/	50 units	1.90 totes	2.00 totes (360 l)	(36"x30"x43")
Mixed containers - plastic, glass, metal	95 units @	1 tote/	30 units	3.17 totes	4.00 totes (360 l)	(36"x30"x43")
Newspaper	95 units @	1 tote/	30 units	3.17 totes	4.00 totes (360 l)	(36"x30"x43")
Mixed paper (no cardboard)	95 units @	1 tote/	30 units	3.17 totes	4.00 totes (360 l)	(36"x30"x43")
Total Recyling Containers Required				11.40 totes	14.00 totes (360 l)	(36"x30"x43")
Cardboard	95 units @	1 bin/	95 units	1.00 bin	1 bin (5'x7')	or 1 compactor
Total Waste & Resource Storage Provided				247 sq.ft.	22.95 m2	
Optional Bulky Storage Provided				215 sq.ft.	19.97 m2	
Total Storage Provided				**462 sq.ft.**	**42.92 m2**	

1.1 Design elements of the storage facility

All solid waste and resource facilities should be equipped with, but are not limited to:

Element	Requirement
Concrete Pad	• Minimum 15.25 cm thick reinforced concrete pads
Drainage	• Must drain to sanitary sewer • Grease interceptor required
Door	• Double doors with a minimum 2.4 m opening • Vertical clearance of min 2.2 m • Can be propped or locked open with a bumper guard
Electricity	• Power shall be provided for equipment inside the facility
Lighting	• Lighting shall be provided around and inside the facility
Hose Bib	• At least (1) hose bib for cleaning the facility and containers as needed
Ventilation	• Suitable ventilation to the exterior of the building to release odour/stale air in compliance with applicable Building Code requirements
Closed Roof	• Facility must be designed such that the facility's sanitary drain will not receive rain water • Roof and/or other provided rain water diversion features will be in compliance with applicable Building Code requirements
Security	• Be sufficiently secure to minimize pest and wildlife access • Be protected from unlawful entry through the use of strike-plants, locks and astragals to close clearance gaps between doors and frames

2.0 Access and Pickup Requirements

2.1 Route for Jitney Vehicle

The design of the jitney access route, must:

i. be designed in such a way as to allow a jitney vehicle to enter the site, collect the garbage/recycling container and exit the site in a forward motion, or via the use of a turnaround area allowing for a 3-point turn of not less than one truck length;
ii. provide a minimum width of 3.4 m throughout the entire vehicle access route and access driveways including the gate console area or other structures;
iii. maintain a minimum vertical clearance of 2.2 m throughout the entire access route;
iv. provide a minimum turning radius of 7.9 m throughout the entire access route;
v. ensure the grade breaks (the change in slope between adjacent inclines) on any driveway should not exceed 10% and should be spaced a minimum 6 m apart;
vi. ensure that the slope of the access route does not exceed 12%; and
vii. be accessible to the jitney vehicle at required times.

Jitney Vehicle Dimensions			
Overall length of truck	7.0 m	**Height of truck**	1.8 m
Width of truck	2.8 m	**Min turning radius**	7.9 m

** These are approximate dimensions based on City of Burnaby's 2017 jitney fleet (modified Ford F550).*

2.2 Garbage & Recycling Staging/Pickup Area

If the storage facility is not directly accessible to the collection vehicle, a ground level staging/pickup area for containers must be provided for use on collection days.

The staging/pickup area must:

i. have a level and 15 cm reinforced concrete pad;
ii. have an appropriate slope as per applicable building code requirements, to facilitate drainage to the designated stormwater management system for the site, and to avoid settling of liquids within the staging/pickup area;
iii. be configured such that no horizontal dimension is less than 2.4 m;
iv. not require manual adjustment for pickup (i.e. stacking bins in front of each other)
v. be connected to the collection vehicle route via a level grade or continuous slope of no more than 6%;
vi. be equal in size to 45% of the storage space allocation; and
i. be available for container storage on the day of collection but may be used for other purposes at other times (for smaller or heavily constrained sites only)

2.3 Route for Collection Vehicle

The collection vehicle route should meet the following minimum design criteria:

i. provide a driving surface sufficiently constructed to accommodate a 28-tonne collection vehicle;
ii. be situated in a location that will minimize any interface with pedestrian traffic and public vehicular access to the building's main parking area, including underground garage and visitor parking areas;
iii. must utilize the lane where a lane exists;
iv. on-site maneuvering shall be no more than a 3-point turn to service the site;
v. collection vehicle shall not back across any public sidewalk or onto a public street;
vi. accommodate container pickup from front and right side loading; and
vii. maintain minimum dimensions of 7.5 m high, 6.0 m wide and 15.0 m long. All dimensions are to be unencumbered, i.e. unrestricted by fixtures such as sprinkler systems, meters, surveillance cameras, mirrors, landscaping, etc.

The vehicle access route must, at a minimum, accommodate a collection vehicle with the following approximate physical characteristics:

Collection Vehicle Dimensions			
Wheelbase	5.49 m	**Approximate weight fully loaded**	28,000 kg
Overall length of truck	12.0 m	**Height of truck**	4.1 m
Width of truck	2.4 m	**Outside turning radius**	12.5 m
-	-	**Inside turning radius**	10.0 m

**These are approximate dimensions based on the City of Vaughan (Ontario)'s Waste Collection Design Standards Policy. Actual dimensions may vary.*

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Building BC since 1905

[PROJECT]
RESIDENTIAL DEVELOPMENT
SOUTHGATE - LOT G6
BURNABY, BC

[TITLE]
SOLID WASTE MANAGEMENT PLAN

[PROJECT] **19481**
[SCALE] **1' = 1'-0", 1/8" = 1'-0"**
[DATE] **JULY 26, 2019**
[ISSUE] **2 - REZONING**
[DRAWING] **A-1.003**

50º 29' 06"
134.215

13th A V E N U E
(private road)

A
adaptable
LIVING
KITCHEN
W/D
shelves
B2
LIVING
KITCHEN
W/D
shelves
MASTER BEDROOM
CLOSET
BATH
PATIO
EXIT
MAIL
OFFICE
ELEV
ELEV
DN
AMENITY
EXIT
EXIT
MASTER BEDROOM
CLOSET
PATIO
D
LIVING
DINING
BATH
W/D
KITCHEN
BEDROOM
CLOSET
SUMP
EXIT
WALKWAY UP @ 4.1% SLOPE
WALKWAY UP @ 3.9% SLOPE
VISITOR PARKING
10 STALLS
(INCLUDING 1 VAN ACCESSIBLE STALL)
RAMP DOWN @ 3.9% SLOPE
RAMP UP @ 3.9% SLOPE
OVERHEAD GATE 7'-6" HIGH
TURN AROUND
2'-0"
21'-9"
20'-0"
3'-0"
23'-0"
8"
SUSPENDED SLAB ABOVE
VAN ACCESSIBLE
GARBAGE/RECYCLING
42.94 m²
SUSPENDED SLAB ABOVE
OPENING IN WALL FOR ENTRY TO PARKADE LOT G5
WALKWAY DOWN @ 5% SLOPE
RAMP DOWN @ 5% SLOPE
320º 29' 26"
41.560
ENTRY PHONE w/TRELLIS AND GLASS CANOPY ABOVE
50º 29' 26"
76.317

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[PROJECT]
RESIDENTIAL DEVELOPMENT
SOUTHGATE - LOT G6
BURNABY, BC

[TITLE]
VEHICULAR ACCESS PLAN

19481	[PROJECT]
1/8" = 1'-0"	[SCALE]
JULY 26, 2019	[DATE]
2 - REZONING	[ISSUE]

[DRAWING]
A-1.004

SUBDIVISION PLAN OF PARTS OF LOT A DISTRICT LOT 53 GROUP 1 NEW WESTMINSTER DISTRICT PLAN EPP53090 EXCEPT PLANS EPP61185, EPP80476 AND EPP81619

PLAN EPP

BCGS 92G.026

0 50 100

SCALE 1 : 1000 DISTANCES ARE IN METRES

THE INTENDED PLOT SCALE OF THIS PLAN IS 864 mm IN WIDTH BY 560 mm IN HEIGHT (D SIZE) WHEN PLOTTED AT A SCALE OF 1:1000.

INTEGRATED SURVEY AREA No. 25, BURNABY
NAD83(CSRS) 4.0.0.BC.1.GVRD

GRID BEARINGS ARE DERIVED FROM OBSERVATIONS BETWEEN GEODETIC CONTROL MONUMENTS 94H1486 AND B-89018 AND ARE REFERRED TO CENTRAL MERIDIAN OF UTM ZONE 10.

THE UTM COORDINATES AND ESTIMATED HORIZONTAL POSITIONAL ACCURACY ACHIEVED HAVE BEEN DERIVED FROM THE MASCOT PUBLISHED COORDINATES FOR GEODETIC CONTROL MONUMENTS 94H1486 AND B-89018.

THIS PLAN SHOWS HORIZONTAL GROUND-LEVEL DISTANCES, UNLESS OTHERWISE SPECIFIED. TO COMPUTE GRID DISTANCES, MULTIPLY GROUND-LEVEL DISTANCES BY THE AVERAGE COMBINED FACTOR OF 0.99958825 WHICH HAS BEEN DERIVED FROM GEODETIC CONTROL MONUMENTS 94H1486 AND B-89018.

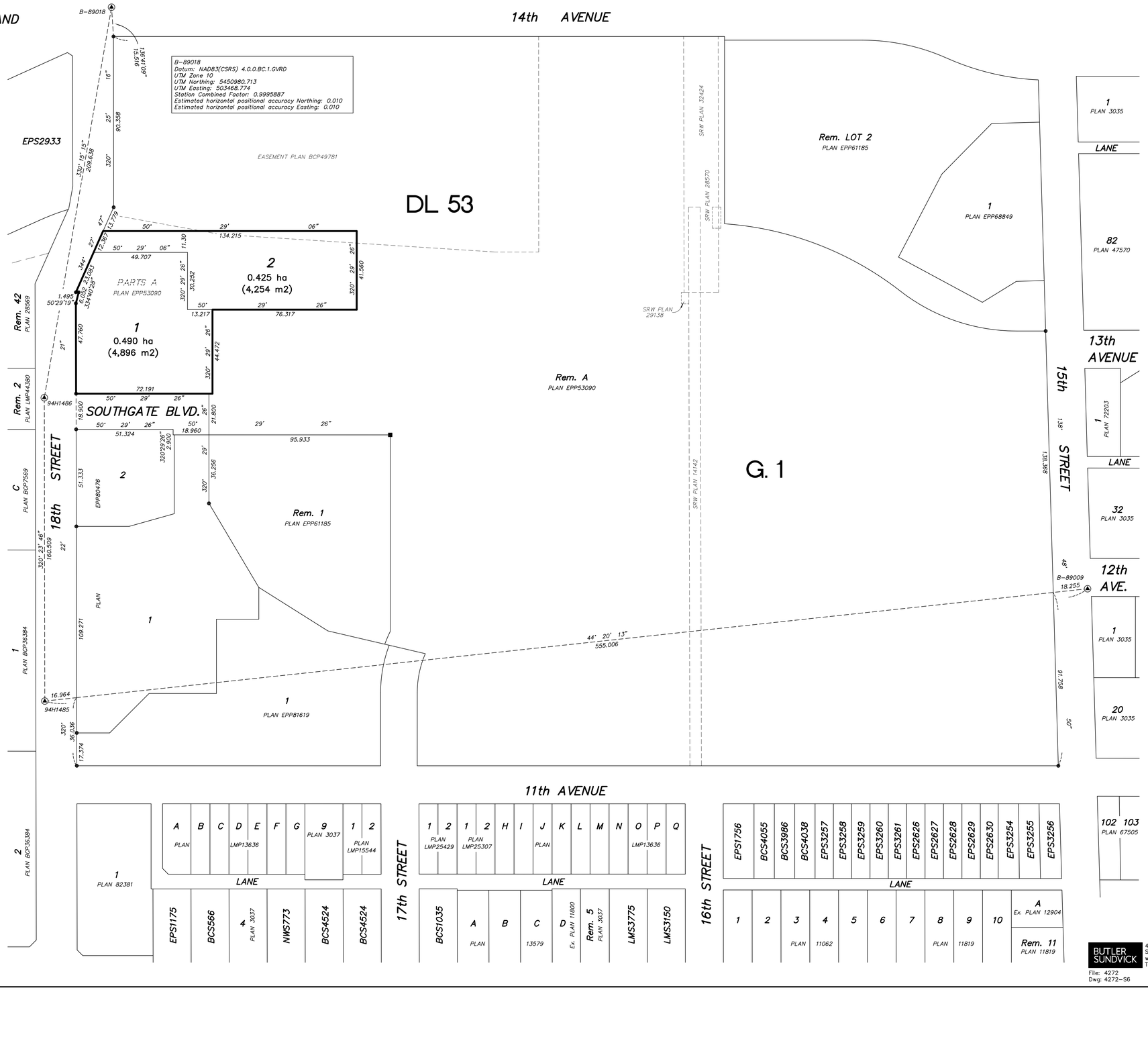
THE AVERAGE COMBINED FACTOR HAS BEEN DETERMINED BASED ON AN ELLIPSOIDAL ELEVATION OF 75.987 METRES.

LEGEND:

FOUND	PLACED	
▲		DENOTES CONTROL MONUMENT
■	□	DENOTES LEAD PLUG
●	○	DENOTES IRON POST
ha		DENOTES HECTARES
m2		DENOTES SQUARE METRES

94H1486
Datum: NAD83(CSRS) 4.0.0.BC.1.GVRD
UTM Zone 10
UTM Northing: 5450798.771
UTM Easting: 503572.744
Station Combined Factor: 0.9995878
Estimated horizontal positional accuracy Northing: 0.010
Estimated horizontal positional accuracy Easting: 0.010

B-89018
Datum: NAD83(CSRS) 4.0.0.BC.1.GVRD
UTM Zone 10
UTM Northing: 5450980.713
UTM Easting: 503468.774
Station Combined Factor: 0.9995887
Estimated horizontal positional accuracy Northing: 0.010
Estimated horizontal positional accuracy Easting: 0.010



A COVENANT IN THE NAME OF THE CITY OF BURNABY PURSUANT TO SECTION 219 IS A CONDITION OF APPROVAL FOR SUBDIVISION.

THIS PLAN LIES WITHIN THE JURISDICTION OF THE APPROVING OFFICER FOR THE CITY OF BURNABY.

THE FIELD SURVEY REPRESENTED BY THIS PLAN WAS COMPLETED ON THE XX DAY OF XXXXX, 2019.
GARY SUNDVICK, BCLS (637)
ECR#:

THIS PLAN LIES WITHIN THE METRO VANCOUVER REGIONAL DISTRICT

BUTLER SUNDVICK
4 – 19089 S
Surrey, BC
www.butlersur
Tel. 604–513

File: 4272
Dwg: 4272–S6

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[PROJECT]
RESIDENTIAL DEVELOPMENT
SOUTHGATE - LOT G6
BURNABY, BC

[TITLE]
SURVEY PLAN

[PROJECT] 19481	
[SCALE] 1' = 1'-0"	
[DATE] JULY 26, 2019	
[ISSUE] 2 - REZONING	
[DRAWING]	A-1.005