

DESIGN RATIONALE

FAMILY TOWNHOME HOUSING

920 Rutland Road



PROPOSAL

This application is to construct a 6-unit enclave of townhomes a few blocks West of the Rutland Recreation Park, and about 200m North of Rutland Middle School. This mid-block site is zoned MF1 and currently hosts a single-family home built in 1944. The site is proposed to remain MF1, consistent with the Core Area Neighborhood Land use designation.



Figure 1: Site location.



ARCHITECTURE FORM & CHARACTER



These 3-storey buildings have a distinctly modern residential personality. The massing is articulated with simple and effective uses of varied cladding materials with a particular design focus on street facing elevations. A street-facing entry from Rutland Road animates the pedestrian realm, while robust landscaping consisting of trees/shrubs delineates the boundary between public and private space.

The onsite amenity space aligns along a backyard walkway. This at-grade amenity space is augmented by patio spaces on both the 2^{nd} and 3^{rd} floors of each home for residents to enjoy.







Figure 2: Landscape Plan

TEXT AMENDMENT

A minor text amendment application is required, as the lot area of the site (770sqm) does not comply with the bylaw requirement of 1600sqm for developments located on a Transit Supportive Corridor. Note that a lot assembly to increase the property size is not viable, as newer developments have been constructed on both the property to the North (2016) and the property to the South(2013).



Figure 3: 940 Rutland Rd.



Figure 4: 910 Rutland Rd.



SUMMARY

This development is a key housing component to be added within the context of North Rutland. It complies with the zoning bylaw in all aspects, follows the OCP guidelines for appropriate development and delivers 6 much needed ground-oriented homes on an infill lot. We kindly seek support from staff and Council in this endeavor.





RUTLAND 6-PLEX

DEVELOP. PERMIT, 2024-05-31



ARCHITECTURAL

NEW TOWN ARCHITECTURE & ENGINEERING 300-1650 BERTRAM STREET KELOWNA, BC V1Y 2G4

e: usman@newtownservices.net t: (250) 860-8185

A0.00D COVER PAGE A1.01D ZONING & BYLAW A1.02D CODE SITE PLAN A2.01D SITE PLAN A3.01D LEVEL 1 FLOOR PLAN A3.02D LEVEL 2 FLOOR PLAN A3.03D LEVEL 3 FLOOR PLAN A4.00D MATERIALS A4.01D BUILDING ELEVATIONS A4.02D BUILDING ELEVATIONS A8.01D FRONT UNIT FLOOR PLANS A8.02D TYPICAL UNIT FLOOR PLANS A8.03D REAR UNIT FLOOR PLANS A9.01D RENDERINGS

CLIENT

PROJECT DOORS & MOULDINGS LTD. UNIT 1-2592 MOUNT LEHMAN RD ABBORTSFORD, BC V4X 2N3 e: Sukhbir@projectdoors.ca t: (604) 850-3006 e: achim.muller@ecora.ca

LANDSCAPE

ECORA #200, 2045 ENTERPRISE WAY KELOWNA, BC V1Y 9T5 t: (250) 300-8750 ALL CONTRACTORS ARE REQUIRED TO PERFORM THEIR WORK AND SUPPLY THEIR PRODUCTS IN COMPLIANCE WITH ALL BUILDING CODES AND LAWS OF THE PROVINCE OF BRITISH COLUMBIA

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1 2024-05-31 DEVELOP. PERMIT

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920 RUTLAND ROAD

project address 920 RUTLAND ROAD KELOWNA, BC V1X 3B7

4194 project no. File no. F:\1 Projects\4194 Rutland Rd 920\4194-4 Dwgs\4194-4.1 Current\Rvt\4194-920 Rutland.rvt drawing title

COVER PAGE

PROJECT NAME ADDRESS: 920 RUTLAND ROAD N, KELOWNA, V1X 3B7, BRITISH COLUMBIA, CANADA LEGAL ADDRESS: LOT 7; PLAN No. KAP44228; ROLL 6224352 GRADES: EXISTING: SMALL DECLINE TO SW CORNER PROPOSED: FLAT

5x 3-BED TOWNHOUSE 1x 4-BED TOWNHOUSE

6 UNITS ON 770m²

ZONING ANALYSIS

NUMBER OF BUILDINGS: 1 BUILDINGS (6 UNITS)

EXISTING:
MF1 - INFILL HOUSING

FUTURE LAND USE (2040 OCP)

PROPOSED:
MF1 - INFILL HOUSING

C-NHD (CORE AREA NEIGHBOURHOOD)

TRANSIT SUPPORTED CORRIDOR

ADJACENT LAND USES:

NORTH RU4
SOUTH RU1
EAST N/A
WEST RU1

USE

LOW DENSITY CLUSTER HOUSING
LARGE LOT HOUSING
N/A
LARGE LOT HOUSING

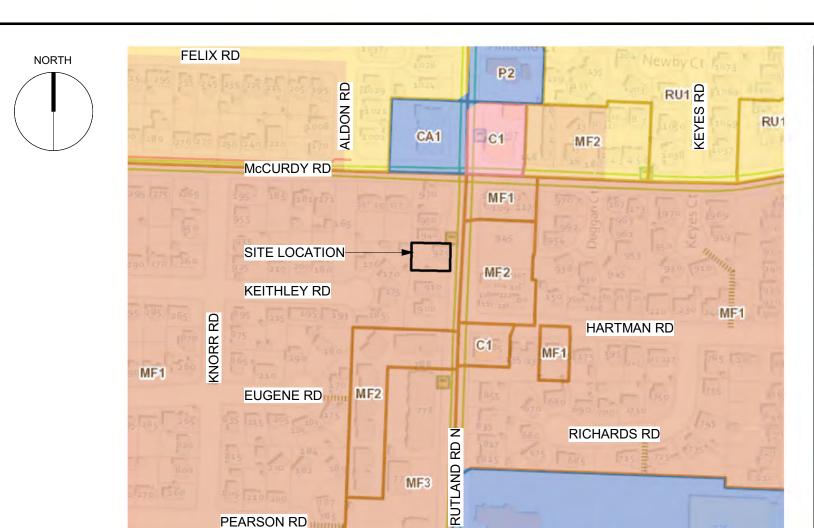
MF1 ZONING REQUIREMENTS

	REQUIRED:	PROPOSED:
SITE AREA (m²)	350.0m ² 1600.0m ² (FRONTING TRANSPORT CORR.) TEXT AMENDMENT REQUIRED	770.69m² (848.40m² PRE-DEDICATION)
SITE WIDTH (m)	13.0m	24.26m
SITE DEPTH (m)	27.0m	34.83m
MIN. BUILDING ENEVELOPE	AREA (m²) 140.0m²	552.92m²
MAXIMUM SITE COVERAGE	OF BUILDINGS (%) 55.0%	40.31%
MAXIMUM SITE COVERAGE	OF IMPERMEABLE SURFACES (%) 75.0%	71.98%
VEHICULAR ACCESS FROM	LANE OR LOWER CLASSED ROAD N	N

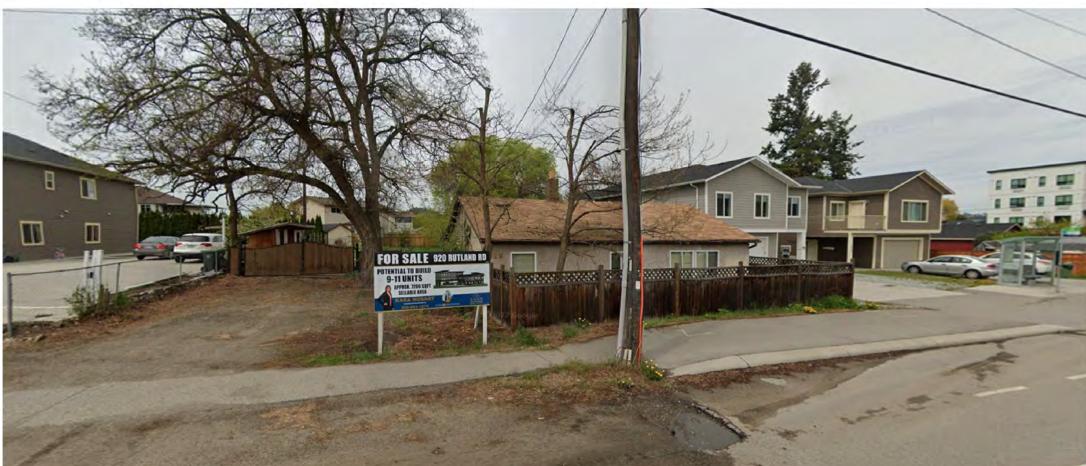
	ENIT DE	EMENTS

MINIMUM DENSITY (TRANSIT CORRIDOR ONLY)
3.1 UNITS PER 1,000m²

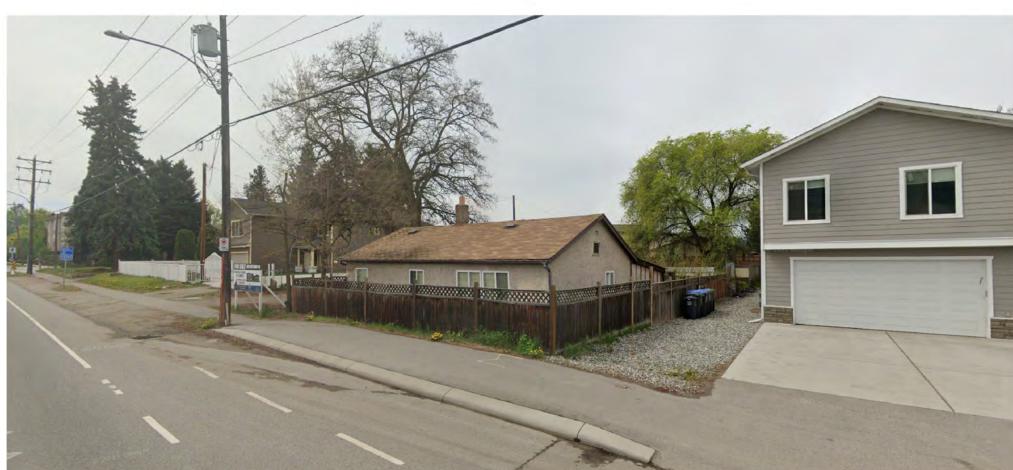
DEVELOPMEN	NT REQUIREMENTS	
	REQUIRED:	PROPOSED:
TOTAL NUMBER & TYPES (OF UNITS : 6 UNITS	5x 3-BED TOWNHOUSE 1x 4-BED TOWNHOUSE
FLOOR AREA (GFA/NFA)(m	²): N/A	826.80m²
FLOOR AREA RATIO: BASE	6 DWELLINGS MAXIMUM	6 DWELLINGS
BUILDING HEIGHT (m): OCP DESIGNATED	11.0m (3 STOREYS)	10.2m (3 STOREYS)
MAX. CONTINUOUS FRONT	AGE: 100.0m	13.2m
SETBACKS (m): FRONT (EAST) SIDE A (NORTH) SIDE B (SOUTH) BACK (WEST)	2.0m 1.8m 1.8m 3.0m	2.1m 7.7m 3.5m 3.0m
REAR SETBACK TO ACCES	SORY BUILDINGS N/A	N/A
AMENITY SPACE (m²): COMMON AREA PRIVATE AREA	N/A N/A	N/A 147.10m²
PER LEVEL: LEVEL 1 LEVEL 2 LEVEL 3	N/A N/A N/A	113.90m² 19.19m² 14.00m²
TOTAL	N/A	147.10m²
PARKING STALLS: 3-BED (1.0 x 5) 4-BED (1.0 x 1) VISITOR (N/A x 5) TOTAL	5 1 0 6	5 1 0 6
ACCESSIBLE (5-36) EV PARKING (1.0 x 6)	1 6	1 6
DRIVE AISLE (WIDTH) DRIVE AISLE GRADE	6.5m 8%	6.5m 1%
REGULAR STALL RATIO	100%	100%
LOADING	N/A	N/A
BIKE STALLS (PER DWELLI LONG TERM - N/A SHORT TERM - 4.0 TOTAL	ING UNIT): 0 4 4	0 4 4
END OF TRIP FACILITY WASH & REPAIR STATION	N N	N N



CURRENT ZONING & FUTURE USE PLAN



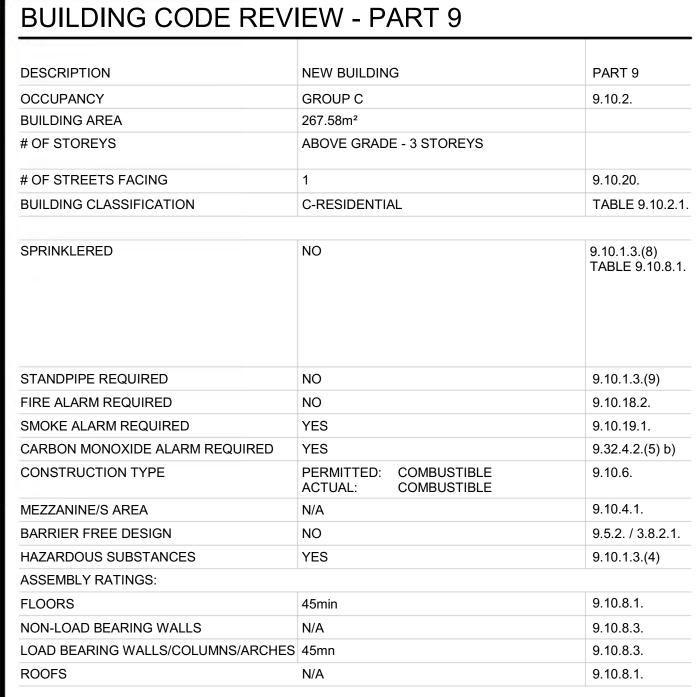
GOOGLE STREET VIEW #_ - FROM (STREET NAME) LOOKING (DIRECTION)



GOOGLE STREET VIEW #_ - FROM (STREET NAME) LOOKING (DIRECTION)



GOOGLE STREET VIEW #_ - FROM (STREET NAME) LOOKING (DIRECTION)



SPATIAL SE	EPARATIO	NT	TABLE 9	.10.15.4.	
		NORTH	EAST	SOUTH	WEST
WALL AREA	NOTE: WINDOW OPENINGS AND WALL CONSTRUCTION ARE UN-RESTRICTED, AS	47.72m²	144.45m ²	47.72m²	N/A
OPENING AREA		12.41m²	13.07m²	8.25m²	N/A
% PERMITTED		93.5%	92.0%	23.5%	N/A
LIMITING DISTANCE		7.7m	16.0m	3.5m	N/A

	_	NODTU	FACT	COLITH	MEGT
SPATIAL SE	EPARATIO	V - TYP	ICAL 7	ABLE 9	.10.15.4
REQUIRED RATING	9.0m IN ALL CASES, OR THE BUILDING IS FACING A STREET IN ACCORDANCE WITH ARTICLE 3.2.3.10.	1HR	1HR	1HR	N/A
CLADDING MATERIAL		NON-COMB	NON-COMB	NON-COMB	N/A
CONST. TYPE		COMB	COMB	COMB	N/A
% PROVIDED		26.01%	9.05%	17.29%	N/A
LIMITING DISTANCE		7.7m	16.0m	3.5m	N/A

		NORTH	EAST	SOUTH	WEST
WALL AREA	NOTE: WINDOW OPENINGS AND WALL CONSTRUCTION ARE UN-RESTRICTED, AS THE LIMITING DISTANCE EXCEEDS 9.0m IN ALL CASES, OR THE BUILDING IS FACING A STREET IN ACCORDANCE WITH ARTICLE 3.2.3.10.	41.40m²	N/A	41.40m²	N/A
OPENING AREA		12.41m²	N/A	8.80m²	N/A
% PERMITTED		93.5%	N/A	23.5%	N/A
LIMITING DISTANCE		7.7m	N/A	3.5m	N/A
% PROVIDED		29.98%	N/A	21.25%	N/A
CONST. TYPE		COMB	N/A	COMB	N/A
CLADDING MATERIAL		NON-COMB	N/A	NON-COMB	N/A
REQUIRED RATING		1HR	N/A	1HR	N/A

SPATIAL SE	PARATIO	N - REA	TABLE 9.10.15.4.		
		SOUTH	WEST		
WALL AREA	NOTE: WINDOW OPENINGS AND WALL	62.37m²	N/A	62.37m²	144.45m²
OPENING AREA		18.17m²	N/A	8.14m²	14.34m²
% PERMITTED	CONSTRUCTION ARE UN-RESTRICTED, AS	52.7%	N/A	15.75%	10.2%
LIMITING DISTANCE	THE LIMITING	7.7m	N/A	3.5m	3.1m
% PROVIDED	9.0m IN ALL CASES, OR THE BUILDING IS	29.13%	N/A	13.05%	9.93%
CONST. TYPE	FACING A STREET IN	COMB	N/A	COMB	COMB
CLADDING MATERIAL	ACCORDANCE WITH ARTICLE 3.2.3.10.	NON-COMB	N/A	NON-COMB	NON-COMB
REQUIRED RATING		1HR	N/A	1HR	1HR

PLUMBING	FIXTURE REQUIREM	ENTS !	9.31.4.1.
ITEM (PER UNIT)			
KITCHEN SINK	1 REQUIRED	1 PROVIDED	
LAVATORY	1 REQUIRED	2 PROVIDED	
SHOWER OR BATH	1 REQUIRED	1 PROVIDED	

1 REQUIRED

2 PROVIDED

WATER CLOSET

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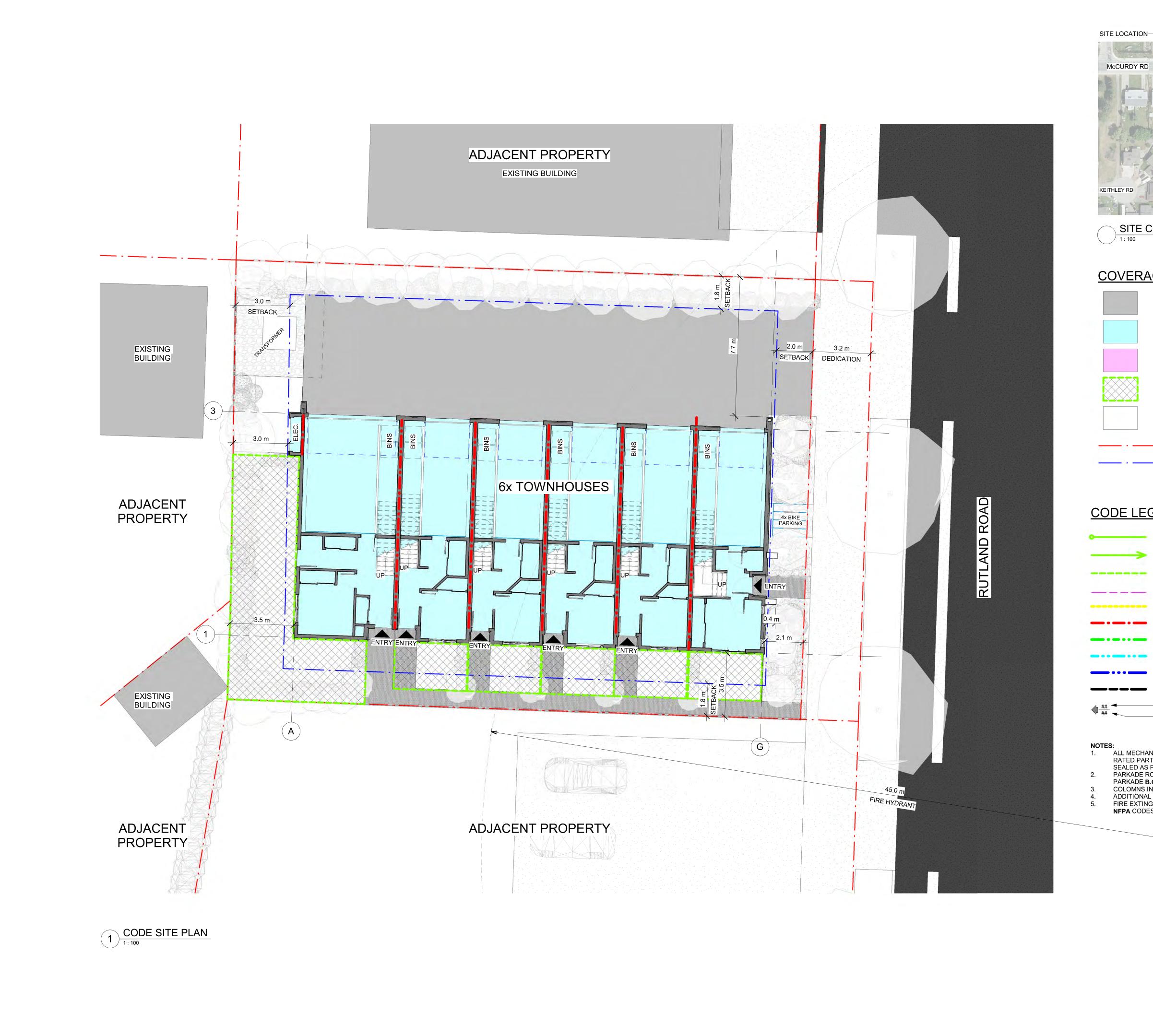
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project title
920 RUTLAND ROAD

project address 920 RUTLAND ROAD KELOWNA, BC V1X 3B7

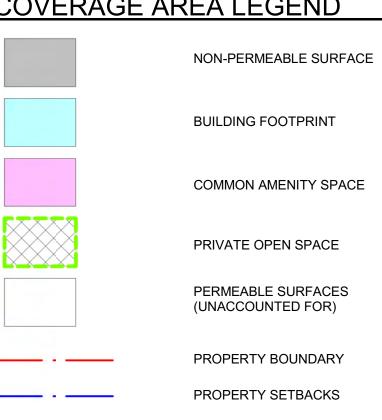
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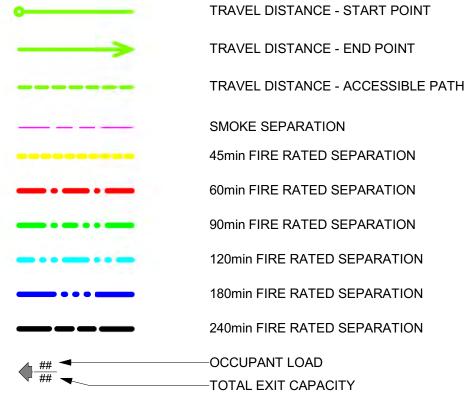




COVERAGE AREA LEGEND



CODE LEGEND



1. ALL MECHANICAL, ELECTRICAL AND OTHER PENETRATIONS THROUGH FIRE RATED PARTY WALLS, FLOORS, COMMON WALLS AND SHAFTS MUST BE SEALED AS PER ULC RATED PRODUCTS AND METHODS PARKADE ROOF (LEVEL 1): 2HR FIRE RATED SLAB REQUIRED ABOVE PARKADE **B.C.B.C. 3.2.1.2**

- COLOMNS IN PARKADE: 2HR FIRE RATED CONCRETE COLOUMNS ADDITIONAL SPRINKLER REQUIRED FOR EXIT PROTECTION B.C.B.C 3.2.3.13
- FIRE EXTINGUISHER CABINETS (FEC) TO BE PLACED AND SIZED AS PER NFPA CODES. COORDINATE SIZE AND LOCATIONS WITH SPRINKLER DWGS

NORTH

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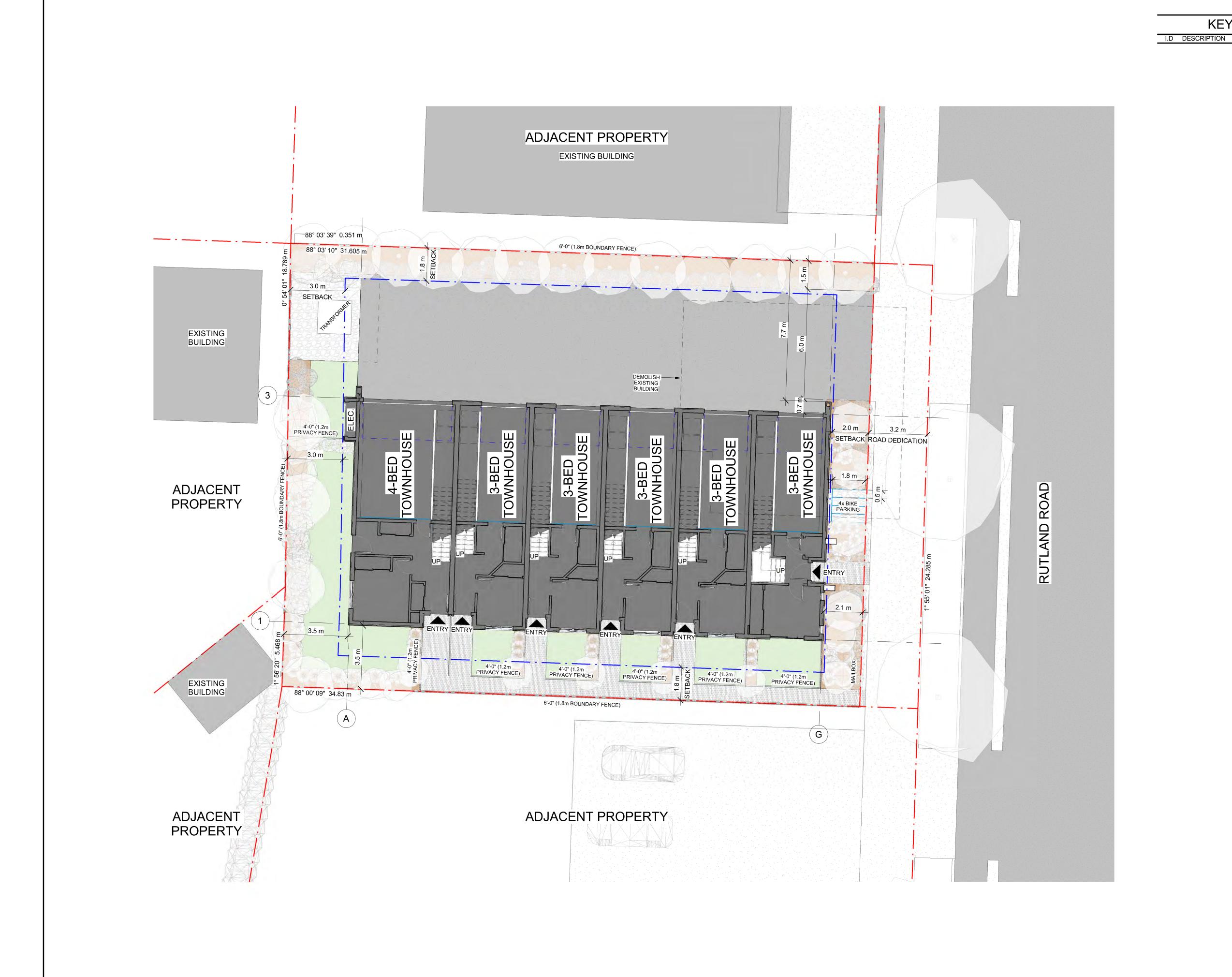
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920 RUTLAND ROAD

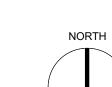
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4194



KEYNOTES - SITE



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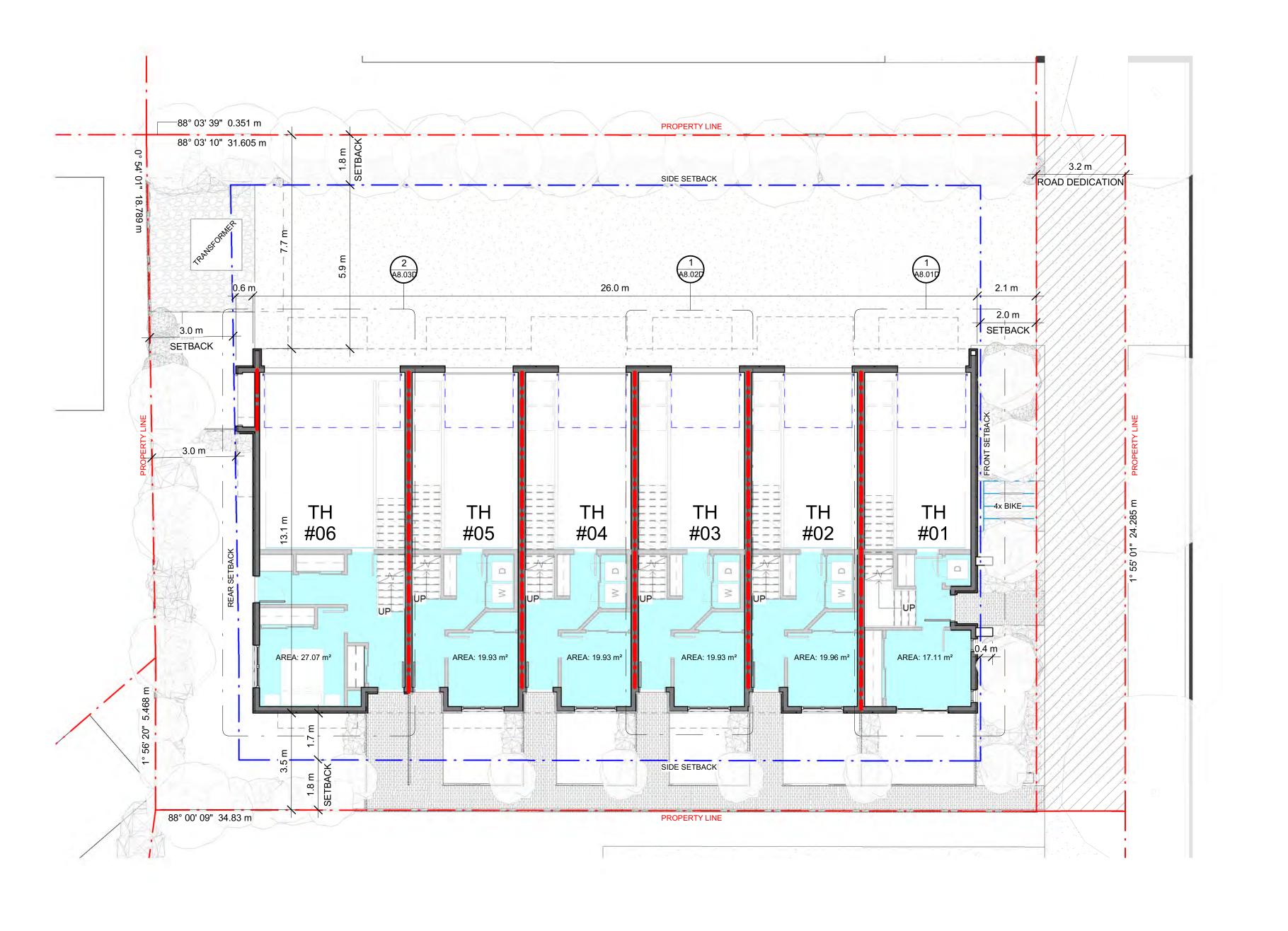
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KEYNOTES - FLOOR PLAN

I.D DESCRIPTION

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4194 project no. file no. F:\1 Projects\4194 Rutland Rd 920\4194-4 Dwgs\4194-4.1 Current\Rvt\4194-920 Rutland.rvt LEVEL 1 FLOOR

PLAN

A4.01D —88° 03' 39" 0.351 m PROPERTY LINE 88° 03' 10" 31.605 m /3.2 m/ SIDE SETBACK ROAD DEDICATION 2.1 m 0.1 m 2.0 m SETBACK SETBACK A4.02D 2 3.1 m 2 A4.01D TH 88° 00' 09" 34.83 m A4.02D

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A4.01D ─88° 03' 39" 0.351 m PROPERTY LINE 88° 03' 10" 31.605 m /3.2 m/ SIDE SETBACK ROAD DEDICATION 2.1 m 0.1 m 2.0 m SETBACK SETBACK 2 A4.01D A4.02D 2 3.0 m

KEYNOTES - FLOOR PLAN I.D DESCRIPTION

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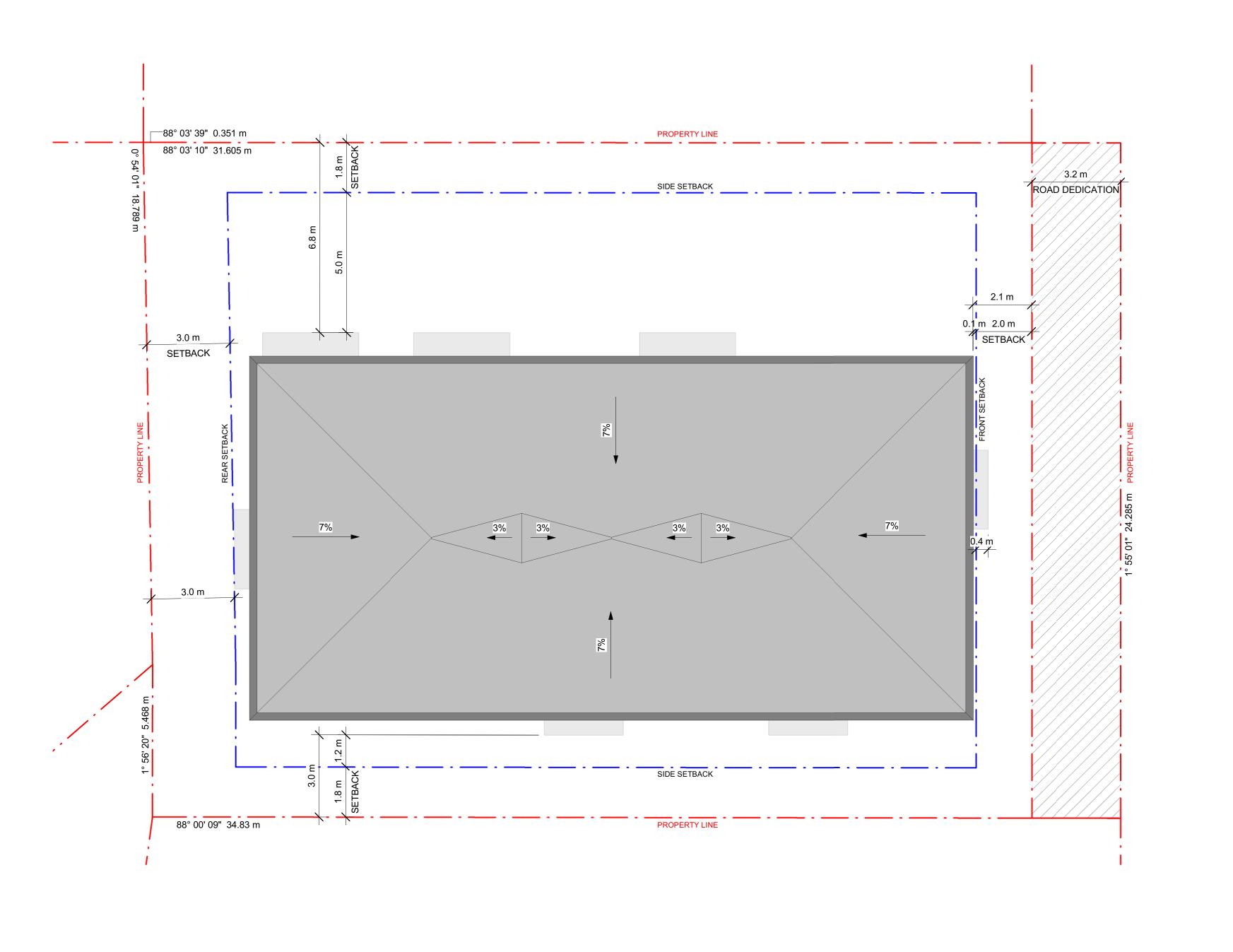
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drawing title **ROOF PLAN**



NEWTECHWOOD

THIN PROFILE WOOD BATTON

MANUFACTURER: PRODUCT: SLIDING DOOR COLOUR & CODE: BLACK FRAME

MANUFACTURER:

PRODUCT:



BROOMED CONCRETE

MANUFACTURER: PRODUCT: COLOUR & CODE: I.D NUMBER:



SAMPLE FOR COLOUR **PURPOSES ONLY**



NEWTECHWOOD

WIDE PROFILE WOOD BATTON

MANUFACTURER: PRODUCT: COLOUR & CODE:

MANUFACTURER:

PRODUCT:

FRAMELESS GLASS BALUSTRADE



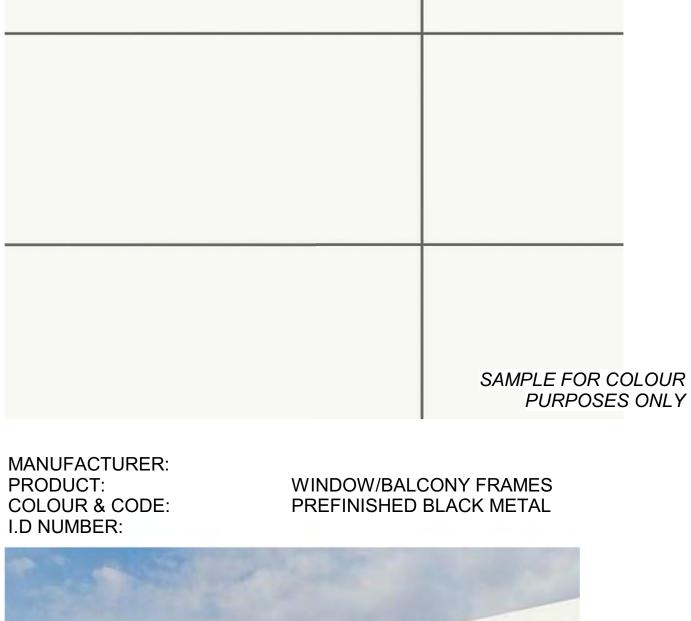
MANUFACTURER: PRODUCT: COLOUR & CODE: I.D NUMBER:

PREMIABLE PAVERS SAND



MANUFACTURER: PRODUCT: COLOUR & CODE: I.D NUMBER:

T.B.C COMPOSITE PANEL WHITE





MANUFACTURER: PRODUCT: COLOUR & CODE: I.D NUMBER:

PRODUCT:

I.D NUMBER:

URBAN RACKS MOGUL BLACK N/A



MANUFACTURER: PRODUCT: COLOUR & CODE: I.D NUMBER:

T.B.C COMPOSITE PANEL **BLACK**

SAMPLE FOR COLOUR PURPOSES ONLY

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MATERIALS



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4194





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KEYNOTES - ELEVATION

I.D DESCRIPTION

MATERIAL LEGEND

THIN PROFILE WOOD BATTON
 WIDE PROFILE WOOD BATTON

8. PREFINISHED GARAGE DOOR

11. 1.8m (6'-0") PROPERTY FENCE

COMPOSITE PANEL (SMOOTH) - CLASSIC WHITE

COMPOSITE PANEL (SMOOTH) - CLASSIC BLACK

7. EXTERIOR SOLID DOOR w/ PREFINISHED BLACK FRAME

EXTERIOR WINDOW w/ PREFINISHED BLACK FRAME

FRAMED WINDOW w/ PREFINISHED BLACK FRAME

EXTERIOR GLAZED DOOR w/ PREFINISHED BLACK FRAME

FRAMELESS GLASS BALUSTRADE

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project no. File no. F:\1 Projects\4194 Rutland Rd 920\4194-4 Dwgs\4194-4.1 Current\Rvt\4194-920 Rutland.rvt drawing title

BUILDING **ELEVATIONS**



13' - 5 1/2" 2' - 1 1/4", 9' - 3 3/4" 2' - 0 3/4", 9' - 4" ______ BALCONY BALCONY BED 1 LIVING 1.1 m 2.5 m GARAGE **⊭** = = = ≠ ENS. DINING BED 2 11' - 0 3/4" 13' - 5 1/2" 13' - 5 1/2" 2 FRONT UNIT - LEVEL 2
A3.02D 1/4" = 1'-0" 1 FRONT UNIT - LEVEL 1
A3.01D 1/4" = 1'-0" 3 FRONT UNIT - LEVEL 3
A3.03D 1/4" = 1'-0"

ALL CONTRACTORS ARE REQUIRED TO PERFORM THEIR WORK AND SUPPLY THEIR PRODUCTS IN COMPLIANCE WITH ALL BUILDING CODES AND LAWS OF THE PROVINCE OF BRITISH COLUMBIA

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KEYNOTES - FLOOR PLAN

I.D DESCRIPTION

Verify all dimensions and datums prior to commencement of work.

Report all errors and omissions to the Architect.

This drawing must not be scaled

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No. DATE ISSUED FOR

1 2024-05-31 DEVELOP. PERMIT

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project title
920 RUTLAND ROAD

project address 920 RUTLAND ROAD KELOWNA, BC V1X 3B7

project no.

file no. F/1 Projects/4194 Rutland Rd 920/4194-4 Dwgs/4194-4.1 Current/Rvt/4194-920 Rutland.rd

drawing title
FRONT UNIT
FLOOR PLANS

checked UA
drawing no. A 8 0 1 [

13' - 4" 9' - 3 3/4" 9' - 4" المحاضر بنا مارك كالكراك بالكاكر المارك الما BALCONY BALCONY BED 1 LIVING 1.1 m 2.5 m GARAGE ENS. DINING-∖∥ KITCHEN BED 2 OFFICE 4' - 0 3/4" 9' - 3 1/4" 13' - 4" 13' - 4" 2 TYPICAL UNIT - LEVEL 2
A3.02D 1/4" = 1'-0" 1 TYPICAL UNIT - LEVEL 1 A3.01D 1/4" = 1'-0" 3 TYPICAL UNIT - LEVEL 3
A3.03D 1/4" = 1'-0"

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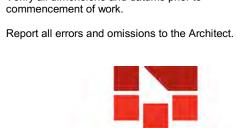
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KEYNOTES - FLOOR PLAN

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1 2024-05-31 DEVELOP. PERMIT

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project title
920 RUTLAND ROAD

project address 920 RUTLAND ROAD KELOWNA, BC V1X 3B7

project no.

Projects A194 Rulland Rd 920/4194-4 Dwgs/4194-4.1 Current/Rv//4194-920 Rulland.rd

drawing title

drawing title

TYPICAL UNIT
FLOOR PLANS

designed DR scale

trawn

checked

drawing no. A 8 . O 2 I plotted 5/30/24 3:10:22 PM

KEYNOTES - FLOOR PLAN I.D DESCRIPTION 18' - 1 1/2" 3' - 10 3/4" 9' - 3 3/4" 9' - 4" 6' - 6" 0 0 0 0 0 0 BALCONY BALCONY LIVING 3.9 m 1.1 m W.I.C GARAGE т — — — — **≠** = = = = | DN== ----BED2 h = = - -MUD ROOM WC DINING BATH BED 3 5' - 0 3/4" 18' - 1 1/2" 18' - 1 1/2" 13' - 0 3/4" 3 REAR UNIT - LEVEL 3
A3.03D 1/4" = 1'-0" 1 REAR UNIT - LEVEL 2
A3.02D 1/4" = 1'-0" 2 REAR UNIT - LEVEL 1
A3.01D 1/4" = 1'-0"

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NEW TOWN ARCHITECTURE

920 RUTLAND ROAD

920 RUTLAND ROAD KELOWNA, BC V1X 3B7

4194 file no. F:\1 Projects\4194 Rutland Rd 920\4194-4 Dwgs\4194-4.1 Current\Rvt\4194-920 Rutland.rvt

drawing title **REAR UNIT** FLOOR PLANS



RENDERING 1 - VIEW FROM NW CORNER



RENDERING NUMBER 3 - VIEW FROM SE CROSS-STREET



RENDERING 2 - VIEW FROM ELEVATED SW



RENDERING NUMBER 4 - VIEW FROM SE AERIAL

ALL CONTRACTORS ARE REQUIRED TO PERFORM
THEIR WORK AND SUPPLY THEIR PRODUCTS IN
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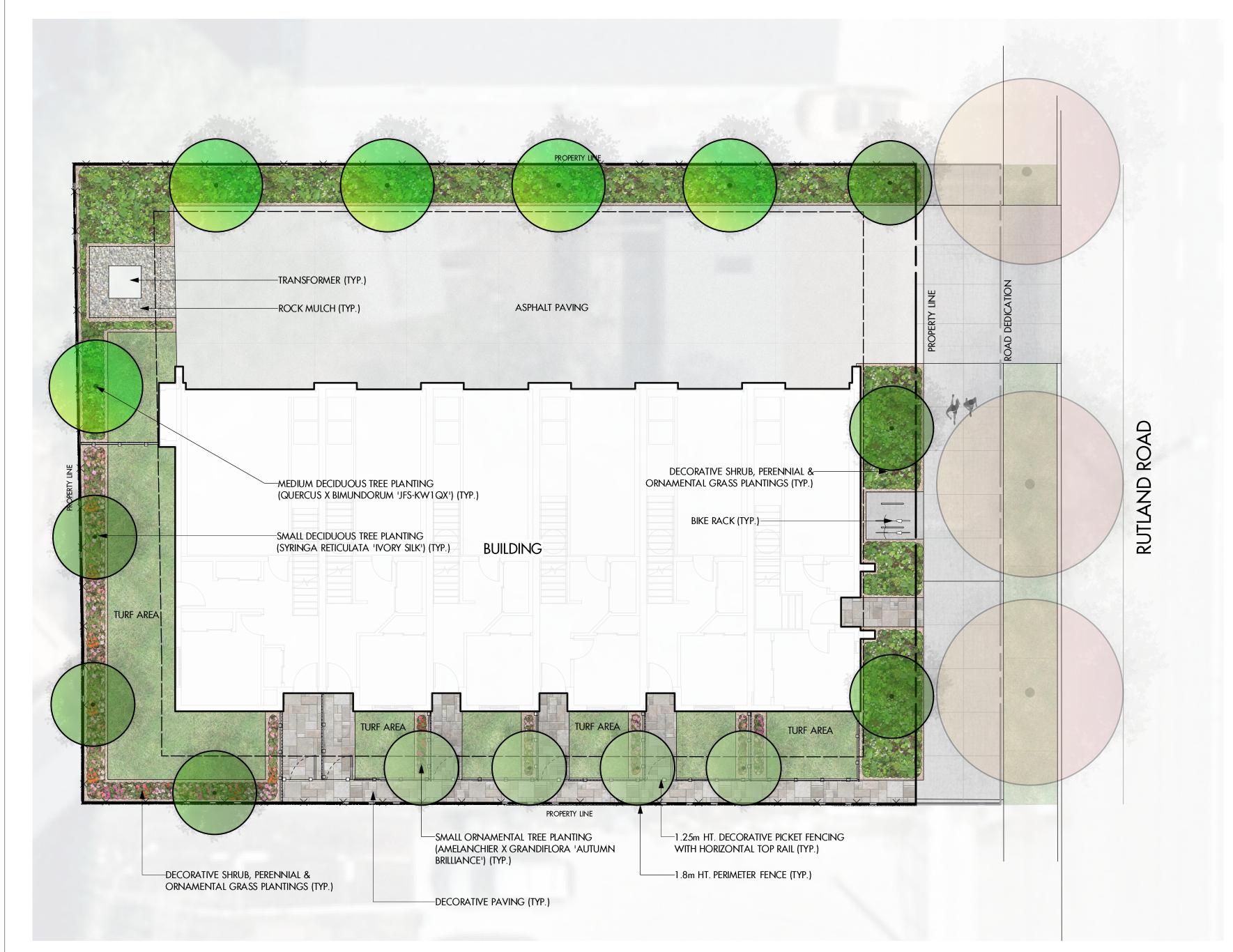
project title
920 RUTLAND ROAD

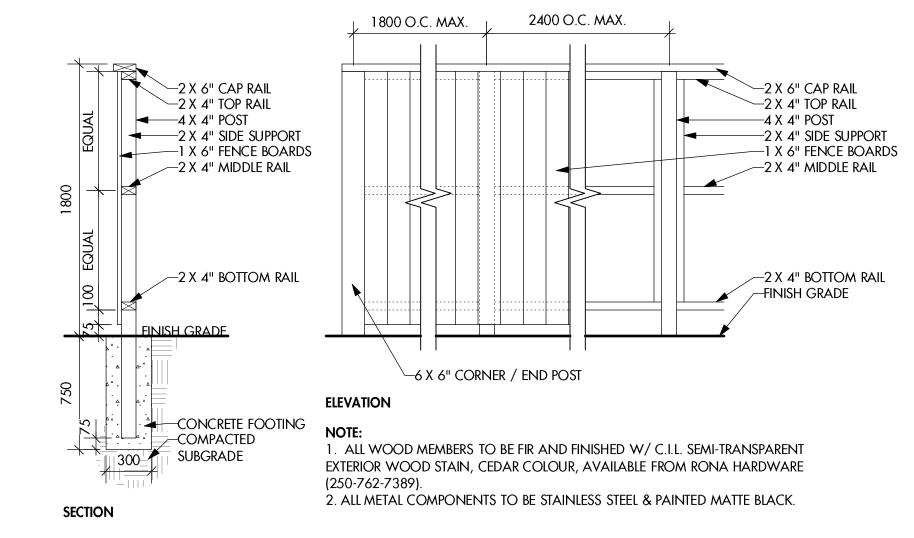
project address 920 RUTLAND ROAD KELOWNA, BC V1X 3B7

project no. 4194
file no. F/11 Projects/4194 Rutland Rd 920/4194-4 Dwgs/4194-4.1 Current/Rvt/4194-920 Rutland.rvt
drawing title

RENDERINGS

drawing no. A 9 . O 1 E





1 1.8m HT. Decorative Picket Fence - Section

LM-101 1:20

BOTANICAL NAME	COMMON NAME	QTY	SIZE / SPACING & REMARKS
TREES			
AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	4	3cm CAL.
QUERCUS X BIMUNDORUM 'JFS-KW1QX'	Streetspire oak	5	4cm CAL.
SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK LILAC	6	3cm CAL.
SHRUBS			
BERBERIS THUNBERGII 'MONOMB'	CHERRY BOMB BARBERRY	6	#02 CONT. /1.5M O.C. SPACING
CORNUS STOLONIFERA 'FARROW'	ARCTIC FIRE DOGWOOD	6	#02 CONT. /1.5M O.C. SPACING
EUONYMUS ALATUS 'SELECT'	FIRE BALL BURNING BUSH	4	#02 CONT. /1.8M O.C. SPACING
JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	6	#02 CONT. /1.5M O.C. SPACING
SPIRAEA JAPONICA 'GOLD MOUND'	GOLD MOUND SPIREA	4	#02 CONT. /1.8M O.C. SPACING
PERENNIALS & GRASSES			
ACHILLEA FILIPENDULINA 'CLOTH OF GOLD'	CLOTH OF GOLD YARROW	6	#01 CONT. /0.9M O.C. SPACING
DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	6	#01 CONT. /0.9M O.C. SPACING
ECHINACEA 'MAGNUS SUPERIOR'	MAGNUS SUPERIOR CONEFLOWER	6	#01 CONT. /0.9M O.C. SPACING
HOSTA 'HALCYON'	HALCYON HOSTA	6	#01 CONT. /0.9M O.C. SPACING
HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	9	#01 CONT. /0.75M O.C. SPACING
NEPETA X FAASSENII 'WALKERS LOW'	WALKER'S LOW CATMINT	4	#01 CONT. /1.2M O.C. SPACING
PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	2	#01 CONT. /1.5M O.C. SPACING
PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	5	#01 CONT. /1.0M O.C. SPACING
SALVIA NEMOROSA 'MAY NIGHT'	MAY NIGHT SALVIA	6	#01 CONT. /0.9M O.C. SPACING

NOTES

1. PLANT MATERIAL AND CONSTRUCTION METHODS SHALL MEET OR EXCEED CANDAIAN LANDSCAPE STANDARDS. ALL OFFSITE LANDSCAPE WORKS TO MEET CITY OF KELOWNA BYLAW 12375 STANDARDS.

2. ALL SOFT LANDSCAPE AREAS SHALL BE WATERED BY A FULLY AUTOMATIC TIMED UNDERGROUND IRRIGATION SYSTEM.

3. TREE AND SHRUB BEDS TO BE DRESSED IN A MINIMUM 75mm NATURAL WOOD MULCH AS SHOWN IN PLANS. DO NOT PLACE WEED MAT UNDERNEATH TREE AND SHRUB BEDS.

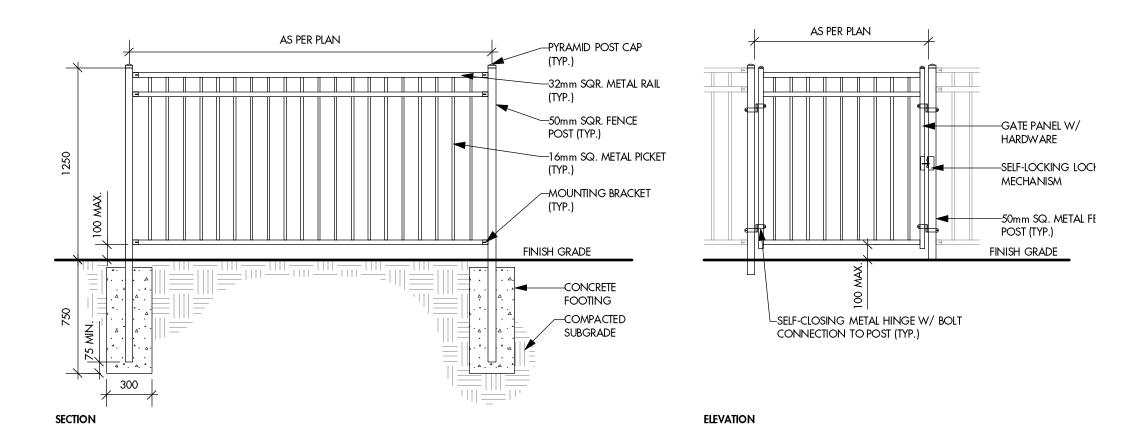
4. SHRUB BEDS TO RECEIVE A MINIMUM 300mm DEPTH TOPSOIL PLACEMENT. TREE BEDS TO RECEIVE A MINIMUM 1000mm DEPTH TOPSOIL PLACEMENT.

5. TURF AREA FROM SOD SHALL BE NO.1 GRADE GROWN FROM CERTIFIED SEED OF IMPROVED CULTIVARS REGISTERED FOR SALE IN B.C. AND SHALL BE TOLERANT OF DROUGHT CONDITIONS. A MINIMUM OF 150mm DEPTH OF GROWING MEDIUM IS REQUIRED BENEATH TURF AREAS. TURF AREAS SHALL MEET EXISTING GRADES AND HARD SURFACES FLUSH.

6. SITE GRADING AND DRAINAGE WILL ENSURE THAT ALL STRUCTURES HAVE POSITIVE DRAINAGE AND THAT NO WATER OR LOOSE IMPEDIMENTS WILL BE DISCHARGED FROM THE LOT ONTO ADJACENT PUBLIC, COMMON, OR PRIVATE PROPERTIES.

7. FOR CONFORMANCE WITH DEVELOPMENT PERMIT LANDSCAPE REQUIREMENTS, THE PRIME CONTRACTOR AND/OR CONSULTANTS REPONSIBLE FOR SITE SERVICING AND UTILITIES SHALL ENSURE THAT ALL BUILDING PERMIT SUBMITTALS ARE COORDINATED WITH LANDSCAPE ARCHITECTURAL SUBMITTALS.











PROJECT TITLE

920 RUTLAND ROAD

Kelowna, BC

DRAWING TITLE

CONCEPTUAL LANDSCAPE PLAN

	ISSL	JED FOR / REVISION	
	1	22.06.27	Review
	2	22.10.28	Review
	3	22.11.04	Review
	4	24.05.29	Review
	5		

PROJECT NO	22-0629	
DESIGN BY	PH	
DRAVVN BY	РН	
CHECKED BY	AM	
DATE	MAY 29, 2024	
SCALE	1:100	
PAGE SIZE	24~26"	

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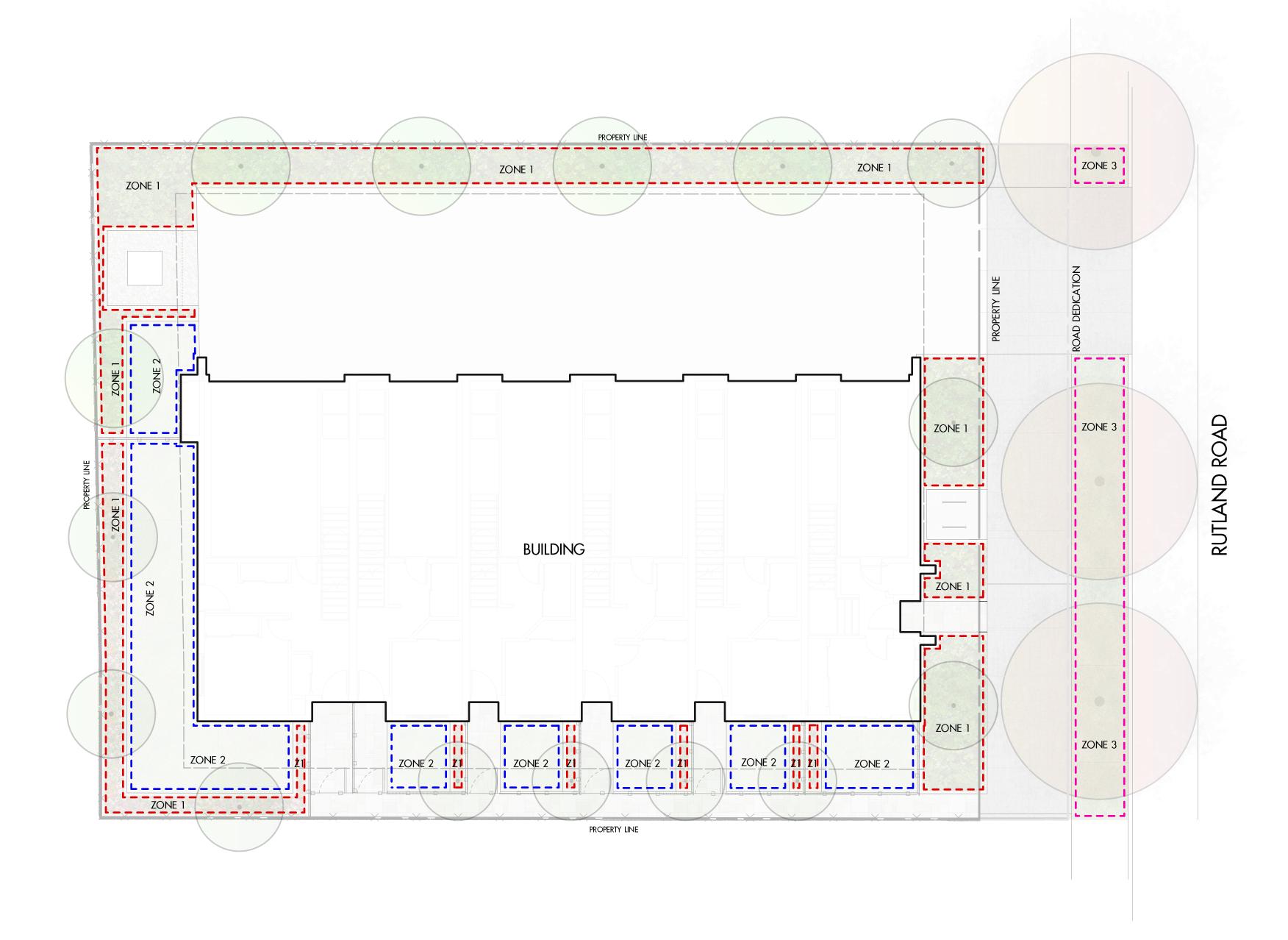
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IRRIGATION NOTES

1. IRRIGATION PRODUCTS AND INSTALLATION METHODS SHALL MEET OR EXCEED THE REQUIREMENTS OF THE WATER USE REGULATION BYLAW NO. 10480 AND THE SUPPLEMENTARY SPECIFICATIONS IN THE CITY OF KELOWNA BYLAW 7900 (PART 6, SCHEDULE 5).

2. THE IRRIGATION SYSTEM SHALL MEET THE REQUIREMENTS, REGULATIONS, AND BYLAWS OF THE WATER PURVEYOR.

3. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTION DEVICE, WATER METER, AND SHUT OFF VALVE LOCATED OUTSIDE THE BUILDING ACCESSIBLE TO THE CITY.

4. AN APPROVED SMART CONTROLLER SHALL BE INSTALLED. THE IRRIGATION SCHEDULING TIMES SHALL UTILIZE A MAXIMUM ET VALUE OF 7" / MONTH (KELOWNA JULY ET), TAKING INTO CONSIDERATION SOIL TYPE, SLOPE, AND MICROCLIMATE.

5. DRIP LINE AND EMITTERS SHALL INCORPORATE TECHNOLOGY TO LIMIT ROOT INTRUSION.

6. IRRIGATION SLEEVES SHALL BE INSTALLED TO ROUTE IRRIGATION LINES UNDER HARD SURFACES AND FEATURES.

7. IRRIGATION PIPE SHALL BE SIZED TO ALLOW FOR A MAXIMUM FLOW OF 1.5 m /SEC.

8. A FLOW SENSOR AND MASTER VALVE SHALL BE CONNECTED TO THE CONTROLLER AND PROGRAMMED TO STOP FLOW TO THE SYSTEM IN CASE OF AN IRRIGATION WATER LEAK.

IRRIGATION LEGEND

ZONE #1: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS

TOTAL AREA: 121 sq.m.
MICROCLIMATE: SOUTHWEST EXPOSURE, PARTIALLY SHADED BY TREES & BUILDING ESTIMATED ANNUAL WATER USE: 40 cu.m.

ZONE #2: LOW VOLUME POP-UP SPRAYHEADS FOR TURF AREAS
TOTAL AREA: 82 sq.m.
MICROCLIMATE: SOUTHWEST EXPOSURE, PARTIALLY SHADED BY BUILDING & TREES
ESTIMATED ANNUAL WATER USE: 70 cu.m.

ZONE #3: LOW VOLUME POP-UP SPRAYHEADS FOR TURF AREAS TOTAL AREA: 38 sq.m.

MICROCLIMATE: SOUTHEAST EXPOSURE, PARTIALLY SHADED BY TREES ESTIMATED ANNUAL WATER USE: 33 cu.m.

WATER CONSERVATION CALCULATIONS

*REFER ATTACHED IRRIGATION APPLICATION FOR DETAILED CALCULATIONS

LANDSCAPE MAXIMUM WATER BUDGET (WB) = 149 cu.m. / year ESTIMATED LANDSCAPE WATER USE (WU) = 143 cu.m. / year WATER BALANCE = 6 cu.m. / year

PROJECT TITLE

920 RUTLAND ROAD

Kelowna, BC

DRAVVING TITLE

WATER CONSERVATION/ IRRIGATION PLAN

1				
	ISSL	sued for / revision		
	1	22.06.27	Review	
	2	22.10.28	Review	
	3	22.11.04	Review	
	4	24.05.29	Review	
	5			

	PROJECT NO	22-0629
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	CHECKED BY	AM
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