



2024-04-24 Development Permit Panel Presentation

A 28-unit Townhouse Development

8635-8695 COOK CRESCENT, CITY OF RICHMOND

PROJECT INFO

Site Context



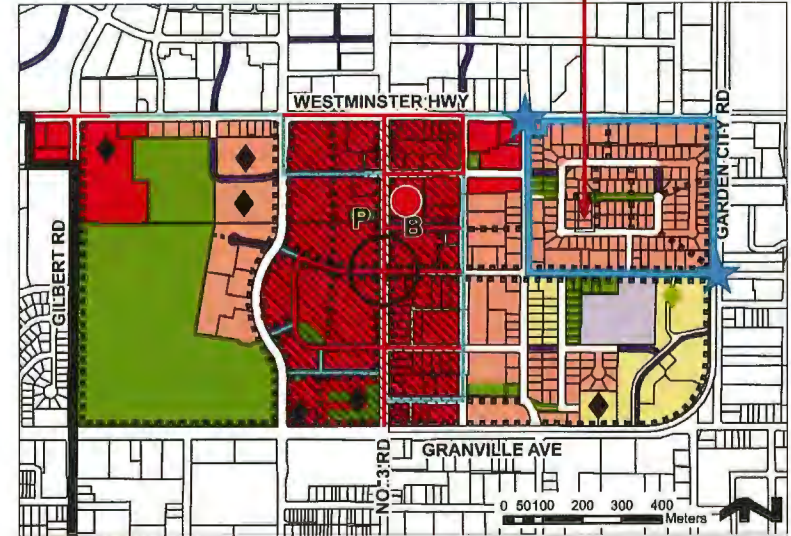
SE Corner

SITE LOCATION

City of Richmond

Specific Land Use Map: Brighthouse Village (2031)

Bylaw 9892
2020/07/13



Bylaw 10029
2019/05/21 Maximum building height may be subject to established Airport Zoning Regulations in certain areas.

PROJECT INFO

Neighboring Townhouse Developments

neighboring townhousing developments have received approvals in recent years



8888 Spires Road

"Parking Structure Townhouses"



8800 Spires Road

"Parking Structure Townhouses"



8951, 8971 Spires Road and 8991 Spires Gate

"Parking Structure Townhouses"



8671, 8731 Spires Road

"Parking Structure Townhouses"

PROJECT INFO

Features to Fit Into Surrounding Neighborhood



8888 Spires Road

“Parking Structure Townhouses”



8951, 8971 Spires Road and 8991 Spires Gate

“Parking Structure Townhouses”



8800 Spires Road

“Parking Structure Townhouses”

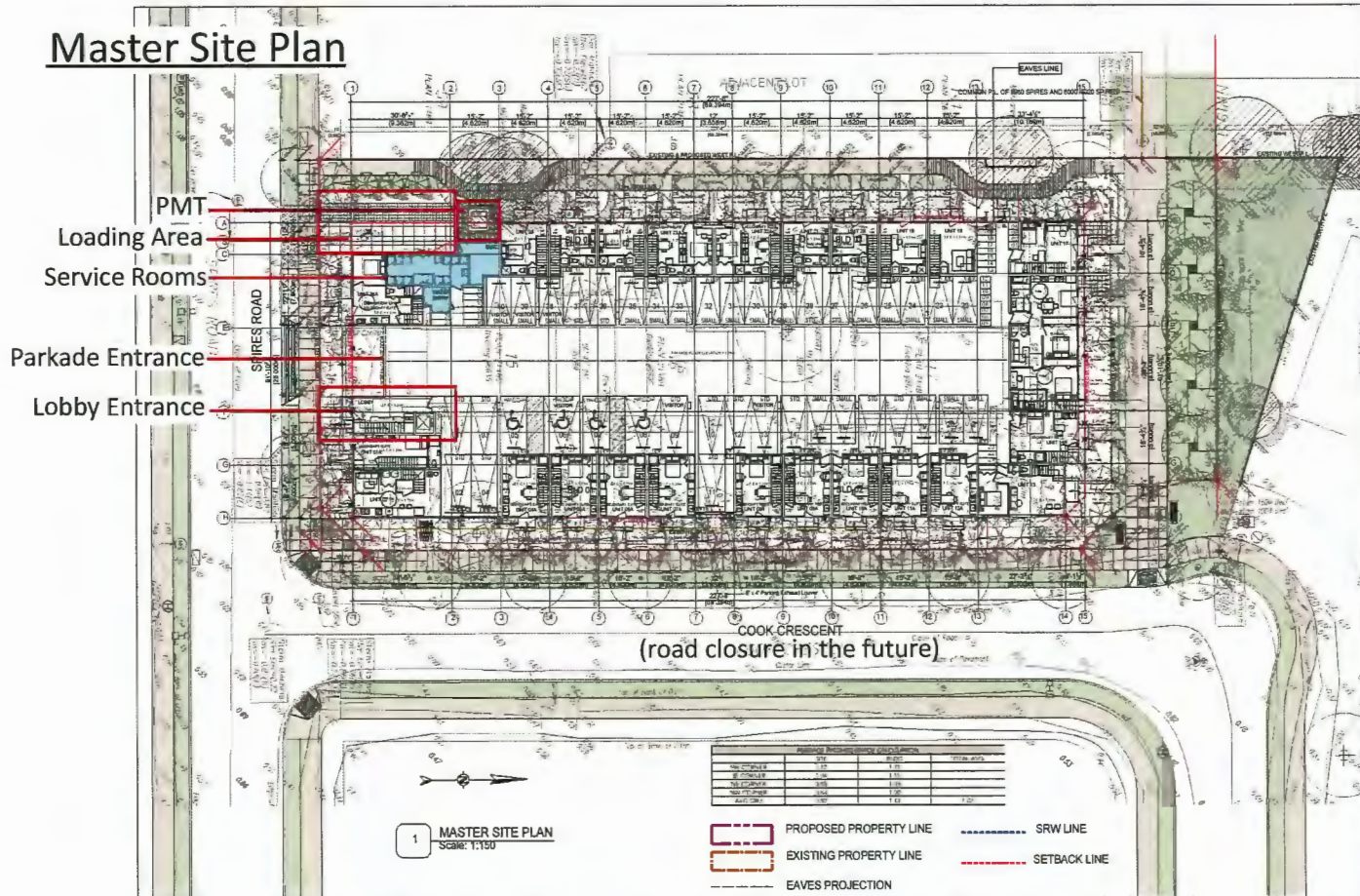
- reflects a contemporary take on the traditional architectural style in the Neighborhood
- similar size and proportion of building blocks
- common features e.g., pitched roofs and at-grade yards with weather-protected entries
- traditional roof gables to downsize building scale
- same material language e.g., asphalt shingle on gable roof and siding on exterior



8671, 8731 Spires Road

“Parking Structure Townhouses”

Master Site Plan



Service rooms and loading area, PMT, parkade and main lobby entrance all are located along the southern frontage because of road closure of cook crescent in the future.



T 504 333 888 OFFICE & ARCHITECT CO.
255-483 UNIVERSITY BLVD. #200 WILLOW GROVE, IL 60090
WWW.ARCHITECTS.COM

REVISIONS:

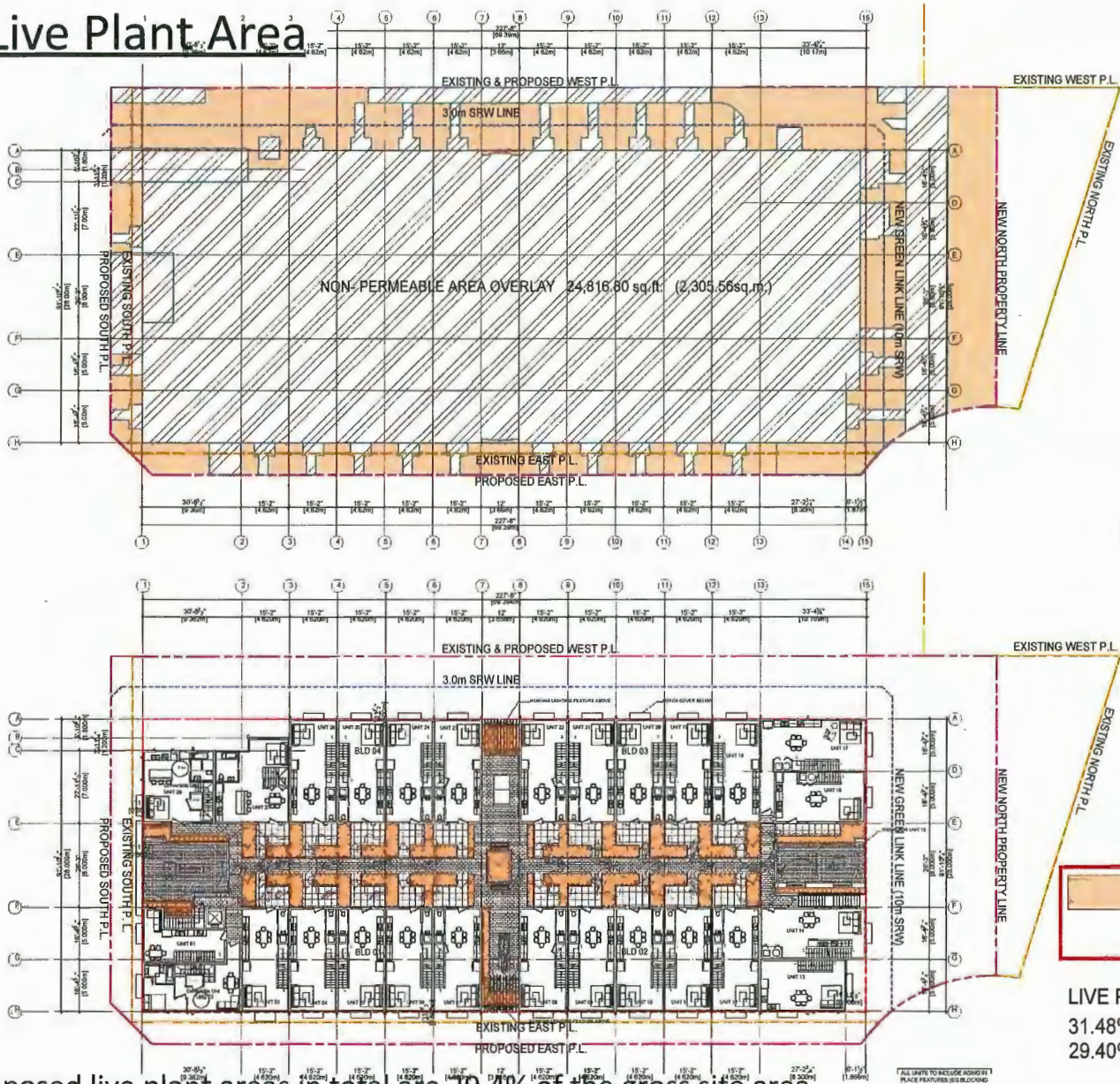
| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |

PROJECT:
803-8561 COOK CRESCENT
TOWNHOUSE DEVELOPMENT
RICHMOND BC
2022

Master Site Plan

A.1.01

Live Plant Area

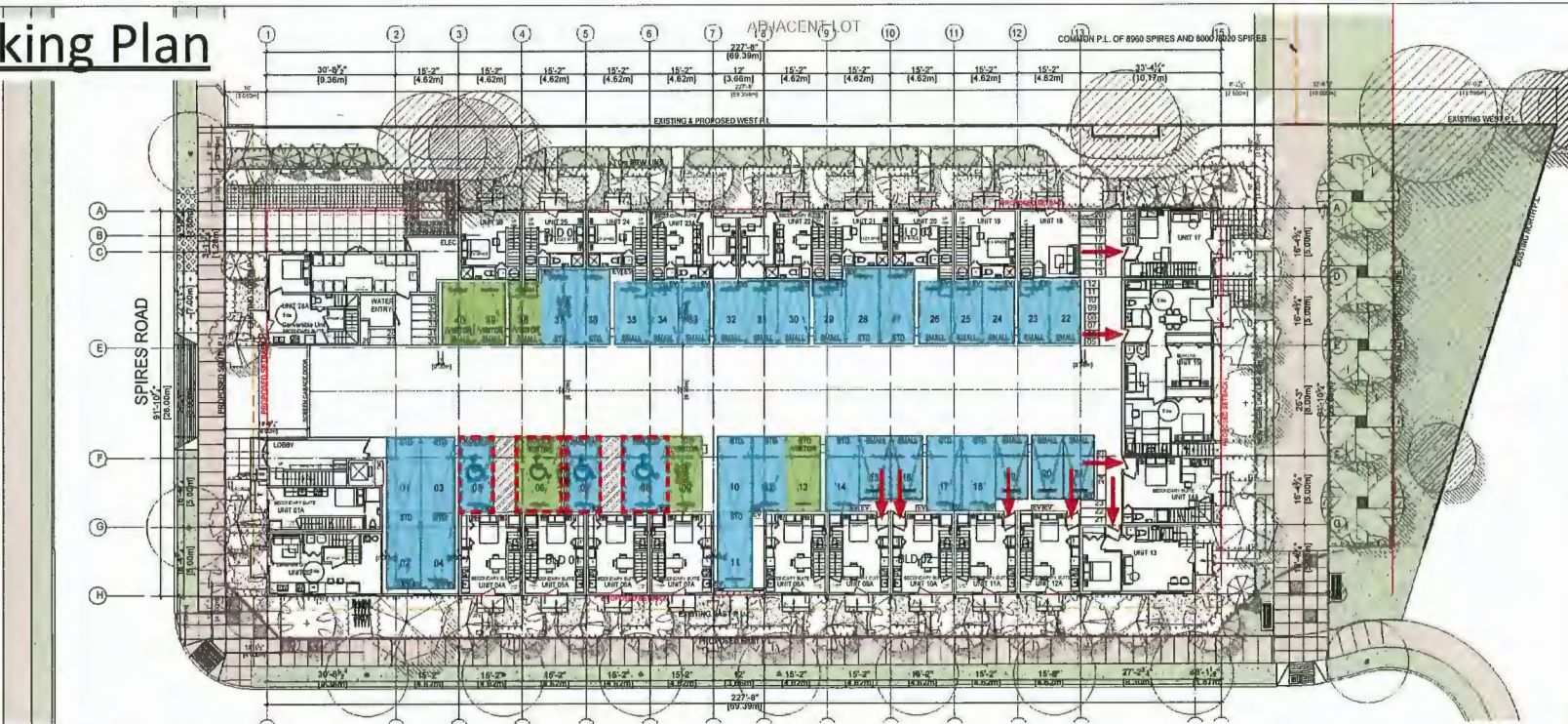


LIVE PLANT AREA OVERLAY (970.97sq.m in total)
 8,358.31sq.ft. (776.51 sq.m) ON GROUND FLOOR
 2093.08 sq.ft. (194.45 sq.m) ON SECOND FLOOR

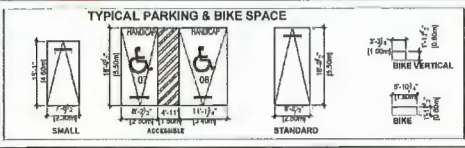
LIVE PLANT AREA COVERAGE:
 31.48% ON THE NET SITE AREA (970.97sq.m/ 3084.8 sq.m= 0.3148)
 29.40% ON THE GROSS SITE AREA (970.97 sq.m/ 3302.8 sq.m= 0.2940)

Proposed live plant areas in total are 29.4% of the gross site area.
 Approximately 80% of live plant areas is on G/F. The rest is on 2/F.

Parking Plan



- 1 PARKING PLAN**
Scale: 1:150
- Residential Parking = 40
 - Visitor Parking = 6
 - Accessible Parking = 4



PARKING STALL (UNIT ASSIGN LIST)

| PARKING & LOADING | | Bylaw Required/Allowed | Proposed |
|---|------|---|---|
| Residential 1.2 spaces per unit | 33.6 | see 7.9.3.1 | 34 |
| Visitor 0.2 spaces per unit | 5.0 | see 7.9.3.1 | 6 |
| Total spaces (round up to nearest whole #) | 40 | For 331 spaces provided, minimum 80% shall be standard stalls (see 7.9.3.1.2) | 40 |
| Tandem Parking Spaces (included in above Total) | 30 | Max 80% of required parking stalls | 8 |
| Quantity: 30% of above required parking stalls (including all above stalls) | 4 | see 7.9.3.1.4 | 4 |
| Loading 1 medium size for 11-40 Residential Units | 1 | see 7.13.7 | 1 |
| | | | 13m length, 3.23m width provided for loading area |

| ON-SITE BICYCLE STORAGE | | Bylaw Required/Allowed | Proposed |
|---|-----------|------------------------|---|
| Class 1: Long term 1.25 spaces per unit | 35 | see 7.14.9 | 36 (12 vertical, 24 horizontal @ Parkade) |
| Class 2: Short Term 0.2 spaces per unit | 6 | see 7.14.9 | 6 (1 @ Lobby Entrance Area @ east) |
| Total | 41 | | 41 |

| Category | Sub-category | Quantity | Notes |
|--------------|--------------|-----------|-------|
| Residential | Standard | 30 | |
| | Accessible | 4 | |
| | Visitor | 6 | |
| Visitor | Standard | 6 | |
| | Accessible | 0 | |
| Loading | Medium | 1 | |
| | Large | 0 | |
| Bicycle | Vertical | 12 | |
| | Horizontal | 24 | |
| Total | | 41 | |

For unit 9 to 17, each of them has direct access from parkade for convenience and fire department access purpose.



BUILDER'S RESPONSIBILITY TO LAYOUT WORK
It is the Builder's responsibility to lay out and verify all the work as detailed in the contract documents. It is the Builder's responsibility to ensure that the work is done according to the contract documents, government and standards which may vary from time to time, depending on the drawings.
Any discrepancies which the Builder discovers within the contract documents must be reported to the Architect immediately in writing and shall be resolved with the Architect's consent only before proceeding with any work.
Written dimensions shall have precedence over printed dimensions.
Copyright Reserved
This plan and drawings are, and all of them contain, the exclusive property of J.S. Architect and may not be used or reproduced without written consent.

| ISSUED FOR | DATE |
|---------------------------|------------|
| ISSUED FOR RFP | 04/15/2014 |
| ISSUED FOR CP REVISIONS | 10/13/2015 |
| ISSUED FOR CP | 10/01/2015 |
| ISSUED FOR CP CORRECTIONS | 10/01/2015 |
| ISSUED FOR RFP SUBMITTAL | 06/04/2015 |
| ISSUED FOR RFP SUBMITTAL | 06/04/2015 |
| ISSUED FOR RFP SUBMITTAL | 11/02/2015 |
| ISSUED FOR RFP SUBMITTAL | 04/16/2016 |

ISSUED FOR: 04/15/2014

PROJECT: 8835-8895 COOK CRESCENT TOWNHOUSE DEVELOPMENT

8835-8895 Cook Crescent, Richmond BC

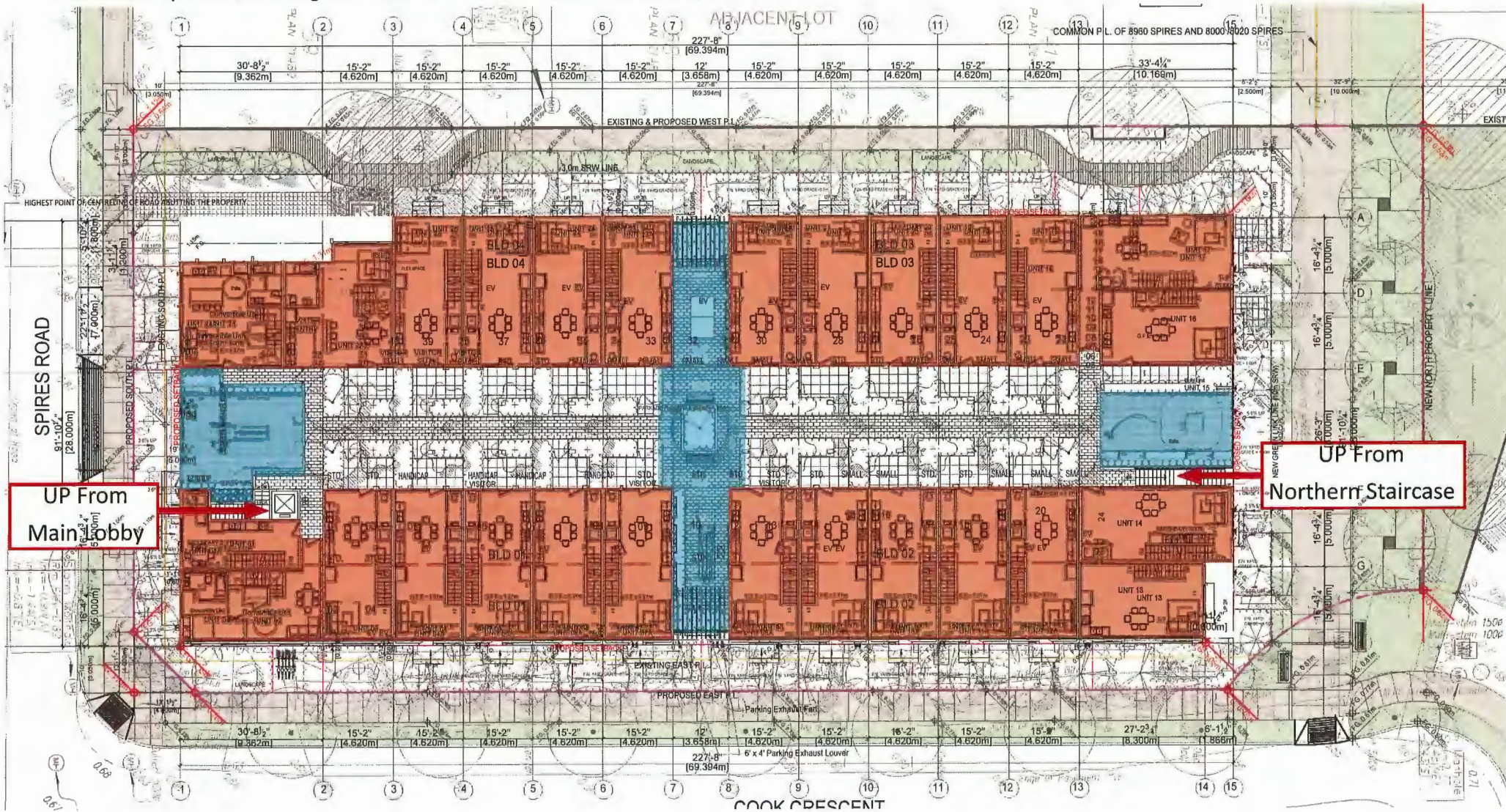
| SCALE: | REAL |
|------------------|------|
| DATE: 2023/08/01 | |
| DRAWN BY: | |
| CHECKED BY: | |
| DATE: | |
| 21-28 | |
| ISSUE TITLE: | |

Parking Plan

NO. 101: A1.02

Connectivity with Ground Floor Green Spaces

- Connect the outdoor amenity with our North and West Side green belts.
- Outdoor spaces are integrated and achieve the functions as a system.



Streetscape - East Elevation



Vertical fins as separators

Hardie board (white finish)

Hardie board (grey finish)

- Different material on G/F to visually reduce height of building.
- Vertical fins, occasional black exterior, and glazing break G/F into parts instead of long solid walls.



2 EAST ELEVATION - STREETSCAPE
Scale: 1:250



CONTRACT

BUILDER'S RESPONSIBILITY TO LAUNCH HOME
It is the Builder's responsibility to lay out and carry out the work in accordance with the contract documents. It is the Buyer's responsibility to pay for every detail of the work in accordance with the contract documents. The Buyer shall be responsible for obtaining all necessary permits and approvals which may be required in the course of the project.
Any alterations which the Builder discovers within the contract documents shall be subject to the approval of the Buyer. The Buyer shall be responsible for obtaining all necessary permits and approvals which may be required in the course of the project.
The Buyer shall be responsible for obtaining all necessary permits and approvals which may be required in the course of the project.
The Buyer shall be responsible for obtaining all necessary permits and approvals which may be required in the course of the project.

| | |
|---------------------------|------------|
| TOP | DATE |
| DESIGN OF EXTERIOR WORK | 18/03/2018 |
| DESIGN FOR SP | 19/07/2018 |
| DESIGN FOR COORDINATION | 20/08/2018 |
| DESIGN FOR THE SUBMITTALS | 18/09/2018 |
| DESIGN FOR THE SUBMITTALS | 20/09/2018 |
| DESIGN FOR THE SUBMITTALS | 18/09/2018 |
| DESIGN FOR THE SUBMITTALS | 18/09/2018 |

REVISIONS:

| ISSUED FOR: | DATE |
|-------------|------|
| | |
| | |
| | |
| | |

Copyright Reserved
No part of this drawing may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Architect.

PROJECT:
8635-8695 COOK CRESCENT
TOWNHOUSE DEVELOPMENT

8635-8695 Cook Crescent,
Richmond BC

CLIENT:

| | |
|-------------|------------|
| SCALE: | DATE: |
| 1:250 | 18/03/2018 |
| DRAWN BY: | |
| CHECKED BY: | |
| DATE: | |
| 21-28 | |
| DATE: | |
| 2018 | |

Street-Scape-02

SCALE: A5.02

Further articulation to provide individuality to each block



Building 1
Sun (Yellow)



Building 2
Land (Orange)



Building 3
Water (Blue)



Building 4
Life (Green)



- Different color to the individual entry frames to give identity to each individual block.
- A signboard for each building block is hung at the corner unit to draw pedestrian attention.

Sustainability Strategy

The proposed building will comply with **BC Energy Step Code Step 4 target**, fulfilling the City's requirements.

Current Requirements

The table below outlines Richmond's BC Energy Step Code requirements for Part 3 buildings.

| Building Type | Jul 1, 2022 to Oct 30, 2023 | After Oct 31, 2023 |
|--|---------------------------------|--|
| Residential greater than 6 stories or non-combustible construction | Step 3 or Step 2 and LCES | Step 3 w/ EL-1 or Step 2 w/ EL-2 |
| Residential 6 stories or less with combustible construction | Step 4 or Step 3 and LCES | Step 4 w/ EL-1 or Step 3 w/ EL-2 |
| Office and Retail buildings | Step 3 or Step 2 and LCES | Step 3 w/ EL-1 or Step 2 w/ EL-2 |
| Hotels and Motels | Step 3 or Step 2 and LCES | Step 4 w/ EL-1 or Step 3 w/ EL-2 |

The proposed building is a combustible construction and is required to meet Step 4 w/ EL-1 or Step 6 w/ EL-2. Emission Level (EL) information of EL-1 and EL-2 are listed in the BC Building Code Section 10.3.

Table 1 Modelling Results Summary

| Design Cases | TEUI | TEDI |
|-----------------|-------|-------|
| Step 4 | 100.0 | 15.0 |
| Proposed design | 94.3 | 13.34 |

Other highlighted features include:

- Operable panes for natural ventilation and light penetration.
- Light-colored roof pavers for roof decks to reduce heat absorption and cooling loads.
- LED lights to reduce electrical power demands.
- High-efficiency heat pumps.
- Double-glazed windows for energy efficiency.

Proposed **energy conservation measures (ECMs)** to help the project achieve the energy and emission performance requirements:

- High-performance building envelope considering the thermal bridging effect

| Model Inputs | Proposed |
|--|--|
| <i>Glazing Information</i> | |
| Window assembly U-value (including frame) (Btu/h.ft ² .°F) & SHGC | U 0.15 SHGC 0.38 |
| WWR | 22.66% |
| <i>Envelope Information</i> | |
| Overall wall effective R or U-value (ft ² .°F.h/ Btu) | Over all exterior wall R20.5 with TB: WF wall: effective R35 Wall between parkade and conditioned space: effective R24 Parkade exterior Wall: 8" reinforced concrete wall |
| Overall roof effective R-value (ft ² .°F.h/ Btu) | EffectiveR40 |

- Direct Ventilation with in-suite HRV (72% SRE) will be incorporated into the ventilation system design
- High-efficiency HVAC system with air source heat pump heating and cooling at suite level (heating COP of 3.5 and cooling SEER of 3.8)



Landscape Design



MAGLIN 870 BACKED PIPE WOOD

| MATERIAL LEGEND | |
|-----------------|---|
| | SOD LAWN |
| | BOARDWALK |
| | CONCRETE PAVING |
| | SAW-CUT CONCRETE WITH CHARCOLAL COLOUR PANELS |
| | MAGLIN 870 BACKED PIPE WOOD |
| | REFER TO DETAIL |
| | 8' - 0" HT SOLID WOOD FENCE |

| PLANT SCHEDULE | | | PMG PROJECT NUMBER: 22065 | |
|----------------|-----|---|---------------------------------------|--------------------------|
| KEY | QTY | BOTANICAL NAME | COMMON NAME | PLANTED SIZE / FREQUENCY |
| 1 | 3 | ACER PALMATUM 'SLOODOMBY' | RED JAPANESE MAPLE | 10CM CAL, 848 |
| 2 | 1 | QUERCUS T. 'HERMANNI' SHADENAMIER' | SHADENAMIER HONEY LOCUST | 10CM CAL, 848 |
| 3 | 1 | LEUCODAPHNE STRYACELLA 'EMERALD SENTINEL' | EMERALD SENTINEL WHISTLING | 10CM CAL, 848 |
| 4 | 3 | MAGNOLIA KOBUS | KOBUS MAGNOLIA (WHITE) | 10CM CAL, 870, 848 |
| 5 | 12 | PANICOTA PERSECA 'TUBBY VASE' | TUBBY VASE PERIWINK BLACKWOOD | 10CM CAL, TREE FORM, 848 |
| 6 | 3 | FRAXINUS NIGRA 'ARNOLD SENTINEL' | ARNOLD SENTINEL AUSTRALIAN BLACK PINE | 4M HT, 848 |
| 7 | 6 | STEVANIA PERUDOCAMELLA | JAPANESE STEVANIA | 10CM CAL, 848 |

NOTE: * PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZES SPECIFIED AS PER CMA STANDARD. BOTH PLANT SIZES AND CONTAINER SIZES ARE THE MINIMUM ACCEPTABLE SIZES. * REFER TO SPECIFICATIONS FOR DEFINED CONTAINER MEASUREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. * SEARCH AND REVIEW SAME PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT SOURCE OF SUPPLY. AREA OF SEARCH TO INCLUDE LOWER MAINLAND AND FRASER VALLEY. * SUBSTITUTIONS OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY SUBSTITUTIONS TO THE SPECIFIED MATERIAL. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY FOR REQUEST TO SUBSTITUTE. SUBSTITUTIONS ARE SUBJECT TO BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD - DEFINITION OF CONDITIONS OF AVAILABILITY. * ALL LANDSCAPE MATERIAL AND WORKMANSHIP MUST MEET OR EXCEED BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD LATEST EDITION. * ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DISEASE FREE NURSERY. * SOILS NOT PERMITTED IN GROWING MEDIUM UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT.

NOTE: ALL SOFT LANDSCAPE AREAS TO BE IRRIGATED USING DESIGN/BUILD HIGH EFFICIENCY, DRIP IRRIGATION SYSTEM WITH RAIN SENSOR. PROVIDE SHOP DRAWINGS FOR CONSULTANT REVIEW PRIOR TO CONSTRUCTION.

REQUIRED REPLACEMENT TREES (10CM CAL): 18 ACTUAL REPLACEMENT TREES: 47 DEFECT: 11

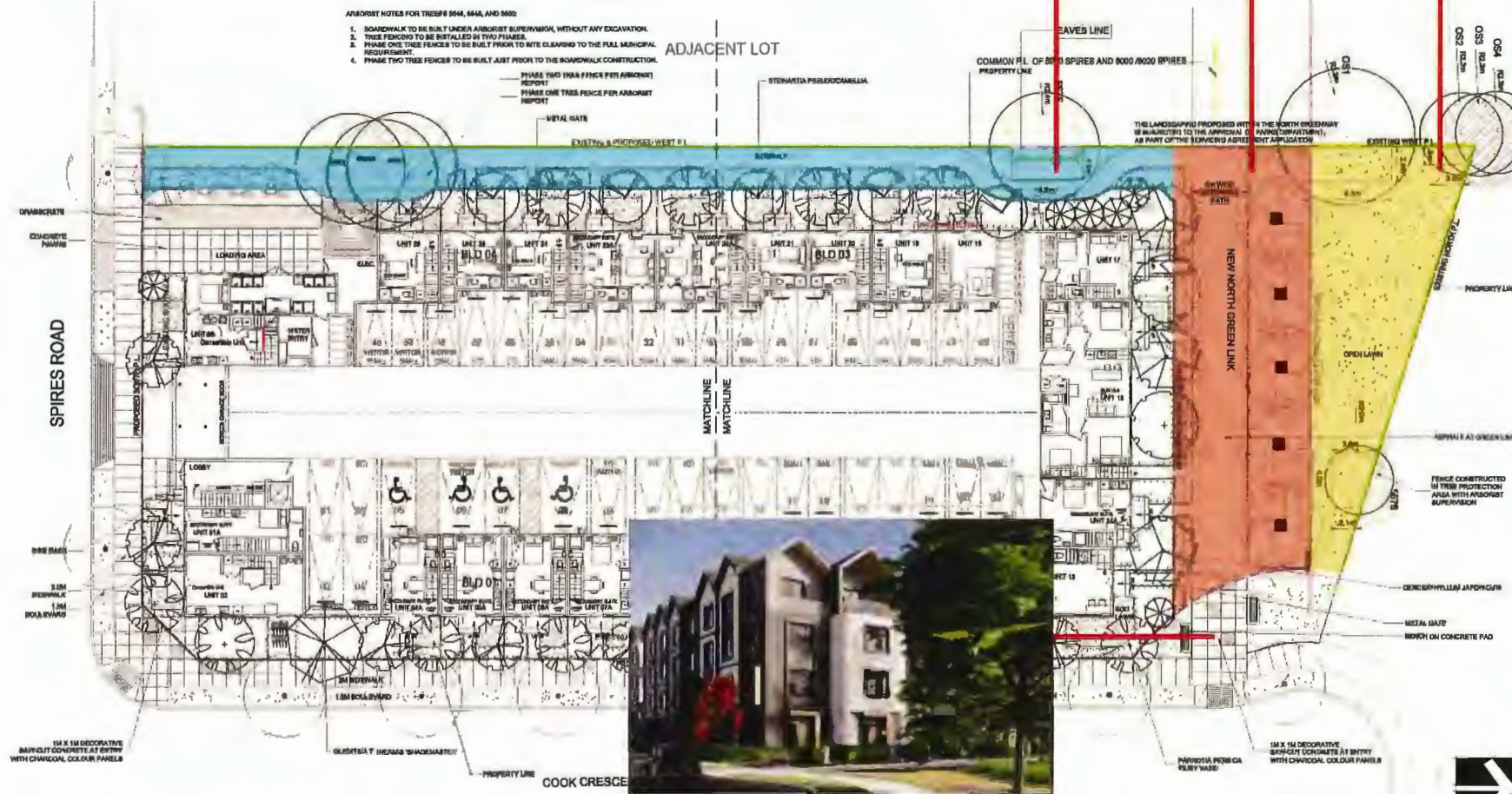
| PLANT SCHEDULE - SRW | | | PMG PROJECT NUMBER: 22065 | |
|----------------------|-----|---|---------------------------------------|------------------------|
| KEY | QTY | BOTANICAL NAME | COMMON NAME | PLANTED SIZE / REMARKS |
| 1 | 6 | ASEROLAR CARPENA 'WIKOTY' | RED HORSE CHESTNUT | 10CM CAL, 1.8M HT, 848 |
| 2 | 1 | LEUCODAPHNE STRYACELLA 'EMERALD SENTINEL' | EMERALD SENTINEL WHISTLING | 10CM CAL, 848 |
| 3 | 3 | FRAXINUS NIGRA 'ARNOLD SENTINEL' | ARNOLD SENTINEL AUSTRALIAN BLACK PINE | 4M HT, 848 |

NOTE: * PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZES SPECIFIED AS PER CMA STANDARD. BOTH PLANT SIZE AND CONTAINER SIZE ARE THE MINIMUM ACCEPTABLE SIZES. * REFER TO SPECIFICATIONS FOR DEFINED CONTAINER MEASUREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. * SEARCH AND REVIEW SAME PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT SOURCE OF SUPPLY. AREA OF SEARCH TO INCLUDE LOWER MAINLAND AND FRASER VALLEY. * SUBSTITUTIONS OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY SUBSTITUTIONS TO THE SPECIFIED MATERIAL. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY FOR REQUEST TO SUBSTITUTE. SUBSTITUTIONS ARE SUBJECT TO BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD - DEFINITION OF CONDITIONS OF AVAILABILITY. * ALL LANDSCAPE MATERIAL AND WORKMANSHIP MUST MEET OR EXCEED BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD LATEST EDITION. * ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DISEASE FREE NURSERY. * SOILS NOT PERMITTED IN GROWING MEDIUM UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT.

© Copyright reserved. This drawing and design is the property of PMG Landscape Architects and may not be reproduced or used for other projects without their permission.



1000 - 4165 9th Street
Burnaby, British Columbia, V5C 9B8
P: 604-294-0011 | F: 604-294-0022



- ANNOIST NOTES FOR TREES 848, 844, AND 842:
1. BOARDWALK TO BE BUILT UNDER ANNOIST SUPERVISION, WITHOUT ANY EXCAVATION.
 2. TREE FENCES TO BE INSTALLED IN TWO PHASES.
 3. PHASE ONE TREE FENCES TO BE BUILT PRIOR TO SITE CLEARING TO THE FULL MUNICIPAL REQUIREMENT.
 4. PHASE TWO TREE FENCES TO BE BUILT JUST PRIOR TO THE BOARDWALK CONSTRUCTION.

- PHASE TWO TREE FENCE PER ANNOIST REPORT
- PHASE ONE TREE FENCE PER ANNOIST REPORT
- METAL GATE

RECALL:

| NO. | DATE | REVISION DESCRIPTION | DR. |
|-----|------------|-----------------------|-----|
| 18 | 2024.04.14 | REVISED FOR DP | |
| 17 | 2024.04.14 | NEW SITE PLAN | AJ |
| 16 | 2024.04.14 | NEW SITE PLAN | YS |
| 15 | 2024.04.14 | NEW SITE PLAN | YS |
| 14 | 2024.04.14 | NEW SITE PLAN | YS |
| 13 | 2024.04.14 | NEW SITE PLAN | YS |
| 12 | 2024.04.14 | NEW SITE PLAN | YS |
| 11 | 2024.04.14 | REVISION PER COMMENTS | YS |
| 10 | 2024.04.14 | REVISION PER COMMENTS | YS |
| 9 | 2024.04.14 | NEW SITE PLAN | MC |
| 8 | 2024.04.14 | REVISION PER COMMENTS | YS |
| 7 | 2024.04.14 | NEW SITE PLAN | YS |
| 6 | 2024.04.14 | NEW SITE PLAN | YS |
| 5 | 2024.04.14 | NEW SITE PLAN | YS |
| 4 | 2024.04.14 | NEW SITE PLAN | YS |
| 3 | 2024.04.14 | NEW SITE PLAN | YS |
| 2 | 2024.04.14 | NEW SITE PLAN | YS |
| 1 | 2024.04.14 | NEW SITE PLAN | YS |

CLIENT:

PROJECT:

RESIDENTIAL DEVELOPMENT

8635-8695 COOK CRESCENT
RICHMOND, BC

DRAWING TITLE:

**LANDSCAPE PLAN
GROUND LEVEL**

DATE: 22.APR.22 DRAWING NUMBER:

SCALE: 1:250

DRAWN: DO

DESIGN: DO

CHECK: MCT

L1

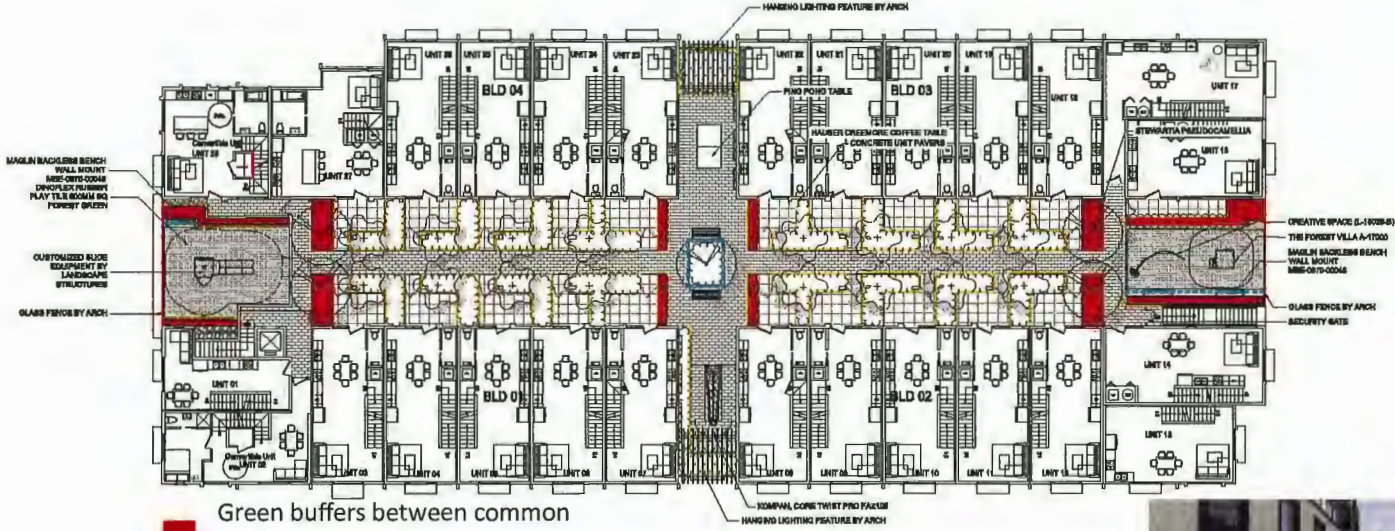
OF 11



© Copyright reserved. This drawing and design is the property of PMG Landscape Architects and may not be reproduced or used for other projects without their permission.

pmg
LANDSCAPE ARCHITECTS
Suite C100 - 4185 881 Cook Drive
Burnaby, British Columbia, V5C 4G6
P: 604 294-0211 | F: 604 294-0222

SCALE:



Green buffers between common areas and residential units

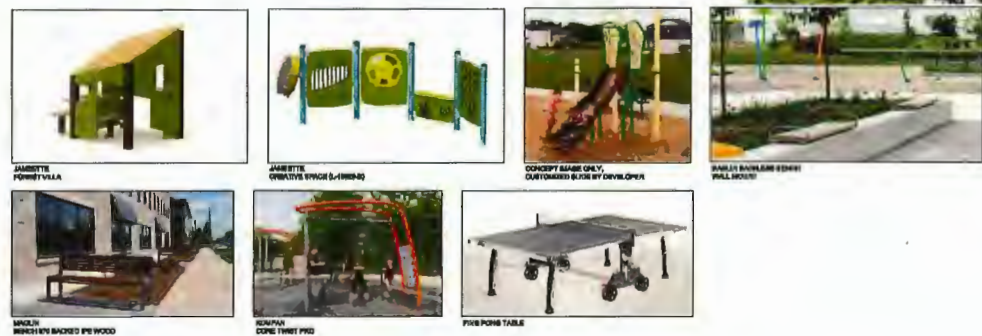
Metal gate
Planter

| MATERIAL LEGEND | |
|-----------------|---|
| | SEED LAWN |
| | BELGARD HOLLAND STONE |
| | BELGARD CORTAZ BLAB |
| | DIMPLEX RUBBER PLAY TILE MISC-0870-0006 |
| | MAGLIN BENCH BACKLASH MISC-0870-0006 |
| | JAMSETTE THE FOREST VILLA A-1700 |
| | JAMSETTE CREATIVE SPACE (S-1928-9) |
| | REFER TO DETAIL |
| | POND POND TABLE |
| | CUSTOMIZED BLAB EQUIPMENT BY LANDSCAPE STRUCTURES |
| | KUMPAI CONCRETE TWIST PRO FAZOLE |
| | MAGLIN BACKLASH BENCH WALL MOUNT MISC-0870-0006 |
| | 1/2" MT. RETAINING WALL |
| | 6" CONCRETE CLUB |
| | GLASS FENCE BY ARCH |

| PLANT SCHEDULE | | | |
|----------------|------|--|---|
| KEY | SYTY | BOTANICAL NAME | COMMON NAME |
| 16 | 16 | ACER PALMATUM THORNTON'S RED BENTWICK/STROVITA PHELODENDRA | COLUMBIAN RED JAPANESE MAPLE/JAPANESE STAMBUKA |
| 17 | 17 | ACER PALMATUM THORNTON'S RED BENTWICK/STROVITA PHELODENDRA | ACER PALMATUM THORNTON'S RED BENTWICK/JAPANESE STAMBUKA |

NOTE: * PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZES SPECIFIED AS PER CSA STANDARD. BOTH PLANT SIZE AND CONTAINER SIZES ARE THE MINIMUM ACCEPTABLE SIZES. * REFER TO SPECIFICATIONS FOR DEFINED CONTAINER MEASUREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. * SEARCH AND REVIEW MAKE PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT SOURCE OF SUPPLY. AREA OF BENCH TO INCLUDE LOWER BENCH AND FRAMING VALUE. * SUBSTITUTIONS: CANNOT WRITE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO HAVING ANY SUBSTITUTIONS TO THIS SPECIFIED MATERIAL. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY FOR PROJECT TO SUBMITTALS. SUBSTITUTIONS ARE SUBJECT TO BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD - DEFINITION OF CONDITIONS OF AVAL AVAILTY. * ALL LANDSCAPE MATERIAL AND WORKMANSHIP MUST MEET OR EXCEED BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD LATEST EDITION. * ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DISEASE FREE IN-PARTY. * BIO-SOLID NOT PERMITTED IN GROWING MEDIUM UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT.

NOTE: ALL SOFT LANDSCAPE AREAS TO BE IRRIGATED USING DRIP/SPRINKLER HIGH EFFICIENCY, DRIP IRRIGATION SYSTEM WITH MAIN SENSOR PROVIDED BY ARCH DRAWINGS FOR CONSULTANT REVIEW PRIOR TO CONSTRUCTION.



| NO. | DATE | REVISION DESCRIPTION | DR. |
|-----|-----------|----------------------|-----|
| 18 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 17 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 16 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 15 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 14 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 13 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 12 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 11 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 10 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 9 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 8 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 7 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 6 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 5 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 4 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 3 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 2 | 24.AUG.24 | ISSUED FOR BIDDING | BY |
| 1 | 24.AUG.24 | ISSUED FOR BIDDING | BY |

PROJECT:
RESIDENTIAL DEVELOPMENT
8635-8685 COOK CRESCENT
RICHMOND, BC

DRAWING TITLE:
**LANDSCAPE PLAN
LEVEL 2**

DATE: 22.AUG.23 DRAWING NUMBER:
SCALE: 1:500
DESIGN: DO
CHECK: MCV
PROJECT NUMBER: 22-065



- Individual patios are separated from common spaces by metal gates and planters.
- Green buffers between the play/amenity area and residential units for privacy and noise mitigation.

| PLANT SCHEDULE | | | PMG PROJECT NUMBER: 23-008 | |
|----------------|-----|------------------------------------|---------------------------------|--------------------------|
| KEY | QTY | BOTANICAL NAME | COMMON NAME | PLANTED SIZE / REMARKS |
| SRUB | 8 | AZALEA JAPONICA VAULTIAN CREEP | DMARP AZALEA LIGHT PINK | #2 POT, 30CM |
| | 4 | AZALEA JAPONICA GOLDEN LIGHT | DESIGNER AZALEA YELLOW, L.HAY | #2 POT, 30CM |
| | 17 | BULBUL MICROPHYLLA WINTER GEM | LITTLELEAF BUX | #2 POT, 30CM |
| | 30 | HYDRANGEA REPURTA 'BLESSED' | MOUNTAIN HYDRANGEA LACECAP BLUE | #2 POT, 30CM #8 POT 40CM |
| | 8 | ELIX GREWIA 'COOHWAG' | JAPANESE HOLLY | #2 POT, 30CM |
| | 41 | HANDSIA DOMESTICA | HEAVENSLY BAMBOO | #2 POT, 30CM |
| | 22 | PERSEA JAPONICA 'VALLEY VALENTINE' | PERSEA RED BLOODS | #2 POT, 30CM |
| | 24 | PRODOCOSMION 'BOY BILLS' | PRODOCOSMION | #2 POT, 30CM |
| | 25 | ROSA 'WINTERHAUS' | CAPPOT ROSE, PINK | #2 POT, 30CM |
| | 21 | TAXUS X MEDIA 'HAL EDGEE' | EDGE'S YEW | 1.5M BAR |
| ORN | 108 | FERTUSA CINEREA 'SLAM BLAU' | FERTUSA | #1 POT |
| PERSONAL | 18 | LIROPE MURCURI | BLUE LILY TURF | 30CM POT |
| | 16 | BIOTA CANADENSIS 'SPRINGWOOD PINK' | WINTER HEATH PINK | #1 POT, 30CM |

23 ACCORDING TO THE BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZE, TUBE AND CONTAINER SIZE ARE THE MINIMUM ACCEPTABLE SIZE. * REFER TO SPECIFICATIONS FOR DEFINED CONTAINER REQUIREMENTS. * SEARCH AND REVIEW: MAKE PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT 10% LOWER MARKET AND TRAVEL VALLEY. * SUBSTITUTIONS: OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY SUBSTITUTIONS. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY. * ALL PLANT MATERIAL MUST MEET OR EXCEED BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD LATEST EDITION. * ALL TYPED DAMAGE FREE WARRANTY. * NO-SOLDEN NOT PERMITTED IN GROWING MEDIUM UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT.

WATED USING DEGRADABLE HIGH EFFICIENCY, DROP IRRIGATION SYSTEM WITH RAIN SENSOR. PROVIDE SHOP DRAWINGS FOR

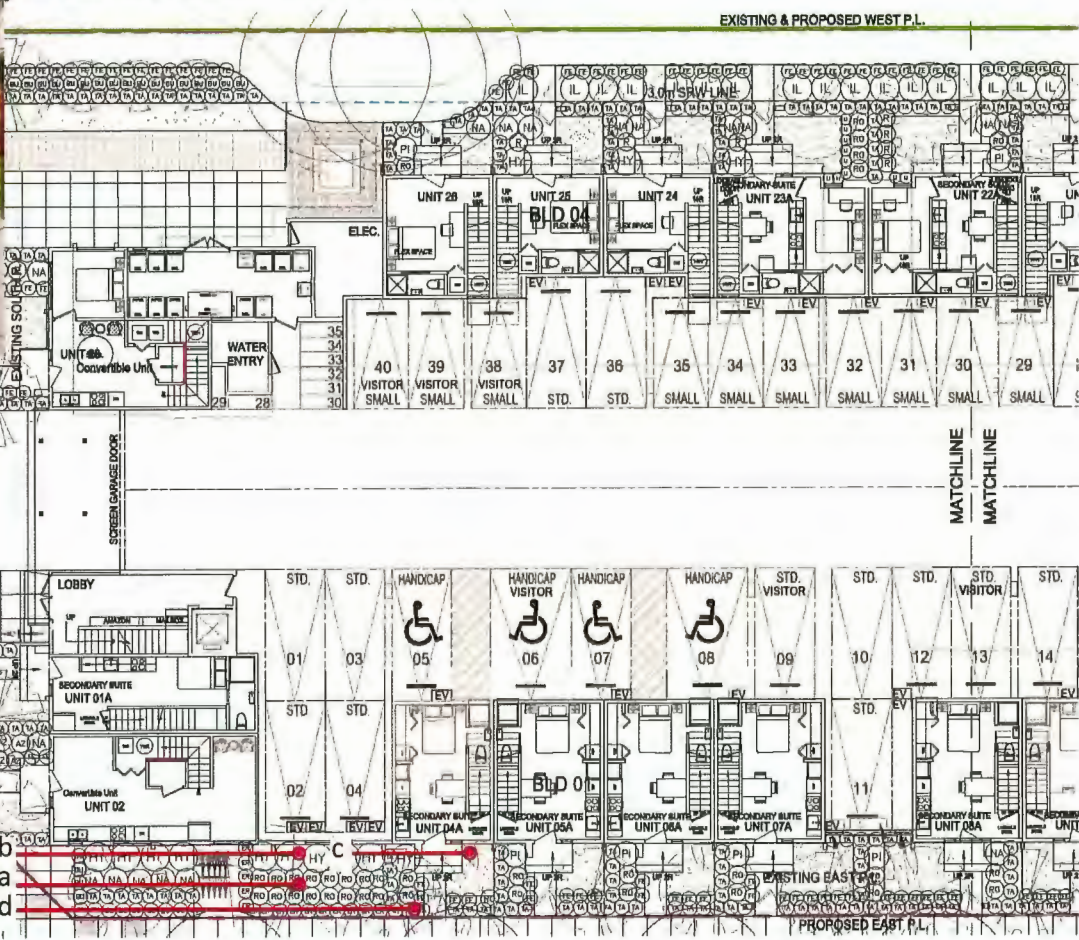
| PLANT SCHEDULE - SRW | | | PMG PROJECT NUMBER: 23-008 | |
|----------------------|-----|-----------------------------------|----------------------------|------------------------|
| KEY | QTY | BOTANICAL NAME | COMMON NAME | PLANTED SIZE / REMARKS |
| SRUB | 72 | BULBUL MICROPHYLLA WINTER GEM | LITTLELEAF BUX | #2 POT, 30CM |
| | 48 | ELIX GREWIA 'COOHWAG' | JAPANESE HOLLY | #2 POT, 30CM |
| | 84 | HANDSIA DOMESTICA | HEAVENSLY BAMBOO | #2 POT, 30CM |
| | 84 | PRODOCOSMION 'BOY BILLS' | PRODOCOSMION | #2 POT, 30CM |
| | 20 | TAXUS X MEDIA 'HAL EDGEE' | EDGE'S YEW | 1.5M BAR |
| ORN | 108 | FERTUSA CINEREA 'SPRINGWOOD PINK' | WINTER HEATH PINK | #1 POT |
| | 143 | FERTUSA CINEREA 'SLAM BLAU' | FERTUSA | #1 POT |
| OR | 25 | POLYTHICUM MONTANUM | WEATHER BIRD OF FEM | #1 POT, 30CM |

NOTES: * PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZES SPECIFIED ARE PER CANA STANDARD. BOTH PLANT SIZE AND CONTAINER SIZE ARE THE MINIMUM ACCEPTABLE SIZE. * REFER TO SPECIFICATIONS FOR DEFINED CONTAINER REQUIREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. * SEARCH AND REVIEW: MAKE PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT 10% LOWER MARKET AND TRAVEL VALLEY. * SUBSTITUTIONS: OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY SUBSTITUTIONS. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY FOR REQUEST TO SUBSTITUTE. SUBSTITUTIONS ARE SUBJECT TO BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD. * DEFINITION OF CONDITIONS OF AVAILABILITY: * ALL LANDSCAPE MATERIAL AND WORKMANSHIP MUST MEET OR EXCEED BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD LATEST EDITION. * ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DAMAGE FREE NURSERY. * NO-SOLDEN NOT PERMITTED IN GROWING MEDIUM UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT.



Front yards include:

- layered pedestrian-scaled planting,
- with foundation planting directly adjacent to the building.
- usable open lawn/paving space.
- a layer of planting on the streetside with metal gates to provide additional separation between the public sidewalk and the private yard.



© Copyright reserved. This drawing and design is the property of PMG Landscape Architects and may not be reproduced or used for other projects without their permission.

pmg
LANDSCAPE ARCHITECTS

Suite C100 - 4185 BSE Creek Drive
Burnaby, British Columbia, V5C 6J8
p: 604 294-0011 | e: 604 294-0022

REVISIONS:

| NO. | DATE | REVISION DESCRIPTION | DR. |
|-----|------------|----------------------|-----|
| 18 | 2024.04.22 | ISSUED FOR PER | JJ |
| 17 | 2024.04.22 | REV SITE PLAN | JJ |
| 16 | 2024.04.22 | REV SITE PLAN | TS |
| 15 | 2024.04.22 | REV SITE PLAN | TS |
| 14 | 2024.04.22 | REV SITE PLAN | TS |
| 13 | 2024.04.22 | REV SITE PLAN | TS |
| 12 | 2024.04.22 | REV SITE PLAN | TS |
| 11 | 2024.04.22 | REV SITE PLAN | TS |
| 10 | 2024.04.22 | REV SITE PLAN | TS |
| 9 | 2024.04.22 | REV SITE PLAN | TS |
| 8 | 2024.04.22 | REV SITE PLAN | TS |
| 7 | 2024.04.22 | REV SITE PLAN | TS |
| 6 | 2024.04.22 | REV SITE PLAN | TS |
| 5 | 2024.04.22 | REV SITE PLAN | TS |
| 4 | 2024.04.22 | REV SITE PLAN | TS |
| 3 | 2024.04.22 | REV SITE PLAN | TS |
| 2 | 2024.04.22 | REV SITE PLAN | TS |
| 1 | 2024.04.22 | REV SITE PLAN | TS |

CLIENT:

PROJECT:

RESIDENTIAL DEVELOPMENT

8635-8695 COOK CRESCENT
RICHMOND, BC

DRAWING TITLE:
**SHRUB PLAN
GROUND LEVEL**

DATE: 22.4.24
SCALE: 1:300
DRAWN: DO
DESIGN: DO
CHECK: SACY

DRAWING NUMBER:
L2

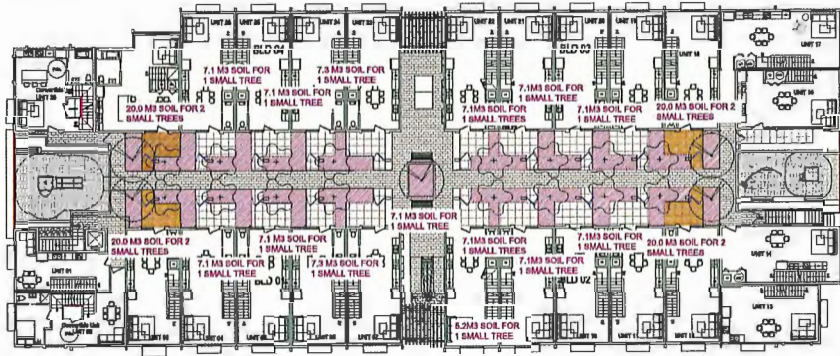
22 OF 11



© Copyright reserved. This drawing and design is the property of PMG Landscape Architects and may not be reproduced or used for other projects without their permission.

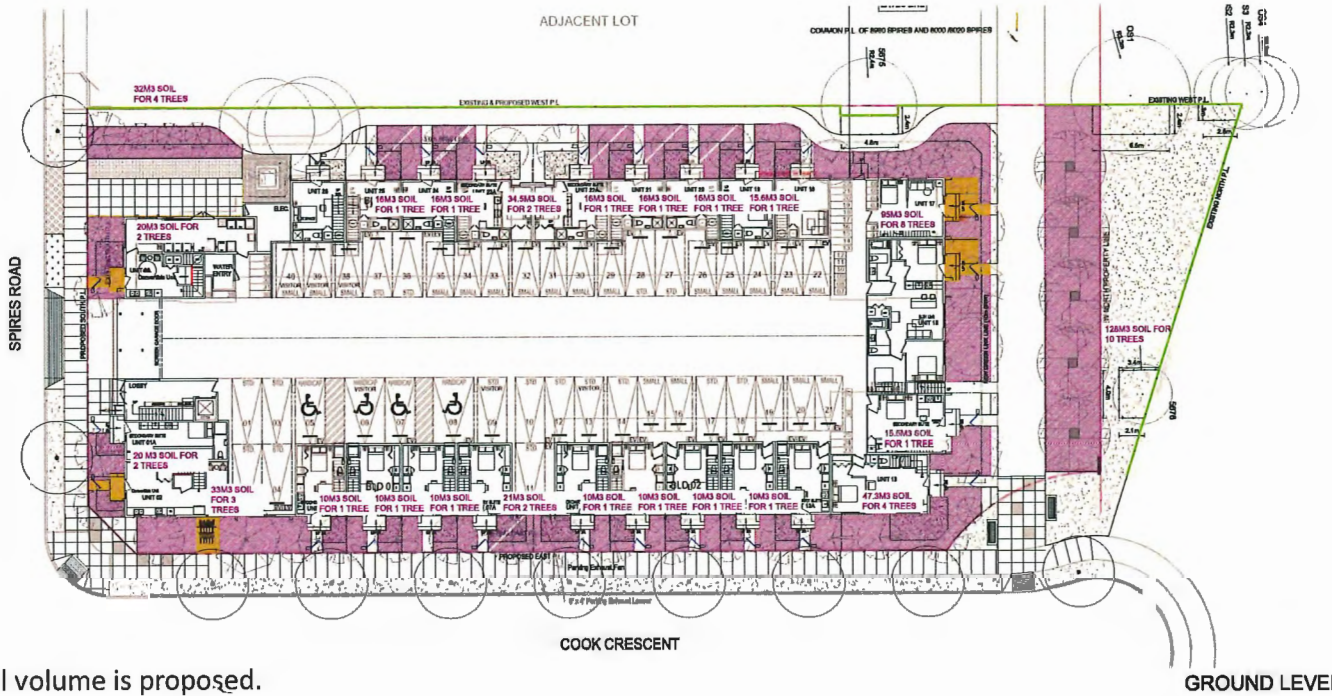
pmg
LANDSCAPE ARCHITECTS
Suite 2100 - 4165 688 Creek Drive
Burnaby, British Columbia, V5C 6G9
p: 604 294-0011 ; f: 604 294-0022

BEAL:



STRUCTURAL BOIL
AREA WITH 600MM SOIL DEPTH
NOTE: THE SOIL DEPTH FOR REEF AREAS REFERS TO LANDSCAPE SPECIFICATIONS OR CANADIAN LANDSCAPE STANDARD.

LEVEL 2



Sufficient soil volume is proposed.

| | | | |
|----|----------|---------------|----|
| 18 | BEAMAL14 | NEW SITE PLAN | IS |
| 17 | BEAMAL13 | NEW SITE PLAN | IS |
| 16 | BEAMAL12 | NEW SITE PLAN | IS |
| 15 | BEAMAL11 | NEW SITE PLAN | IS |
| 14 | BEAMAL10 | NEW SITE PLAN | IS |
| 13 | BEAMAL09 | NEW SITE PLAN | IS |
| 12 | BEAMAL08 | NEW SITE PLAN | IS |
| 11 | BEAMAL07 | NEW SITE PLAN | IS |
| 10 | BEAMAL06 | NEW SITE PLAN | IS |
| 9 | BEAMAL05 | NEW SITE PLAN | IS |
| 8 | BEAMAL04 | NEW SITE PLAN | IS |
| 7 | BEAMAL03 | NEW SITE PLAN | IS |
| 6 | BEAMAL02 | NEW SITE PLAN | IS |
| 5 | BEAMAL01 | NEW SITE PLAN | IS |
| 4 | BEAMAL00 | NEW SITE PLAN | IS |
| 3 | BEAMAL99 | NEW SITE PLAN | IS |
| 2 | BEAMAL98 | NEW SITE PLAN | IS |
| 1 | BEAMAL97 | NEW SITE PLAN | IS |

NO. DATE REVISION DESCRIPTION DR.

CLIENT:

PROJECT:
RESIDENTIAL DEVELOPMENT
8635-8695 COOK CRESCENT
RICHMOND, BC

DRAWING TITLE:
SOIL VOLUME PLAN

DATE: 22.APR.13 DRAWING NUMBER:
SCALE: 1:200
DRAWN: DO **L7**
DESIGN: DO
CHECK: JCY OF 11

22085-19.027 PMG PROJECT NUMBER 22-065