



## Development Permit Panel

Council Chambers, City Hall  
6911 No. 3 Road

Wednesday, May 11, 2016  
3:30 p.m.

### Minutes

*Motion to adopt the minutes of the Development Permit Panel meeting held on April 27, 2016.*



1. **Development Permit 15-708397**  
(REDMS No. 4981603)

APPLICANT: Townline Gardens Inc.

PROPERTY LOCATION: 10780 No. 5 Road / 12733 Steveston Highway

### Director's Recommendations

*That a Development Permit be issued which would:*

1. *Permit the construction of two (2) 8-storey residential buildings and one (1) 4-storey residential building at 10780 No. 5 Road and 12733 Steveston Highway on a site zoned "Commercial Mixed Use (ZMU18) – The Gardens (Shellmont)"; and*
2. *Vary the provisions of Richmond Zoning Bylaw 8500 to:*
  - (a) *Increase the maximum height over a parkade structure from six (6) storeys and 25.0 m, to eight (8) storeys and 26.9 m; and*
  - (b) *Allow a permitted projection of 1.8 m for unenclosed balconies into the side yard (north) setback.*



ITEM

**2. Development Permit 16-721776**

(REDMS No. 4985130) (File Ref. No.: Xr. TE 16-721775)

APPLICANT: TM Mobile Inc. (Telus)

PROPERTY LOCATION: 17080 Cambie Road

**Director's Recommendations**

- 1. That a Development Permit be issued which would vary the provisions of Richmond Zoning Bylaw 8500 to increase the maximum accessory structure height in the "Agriculture (AG1)" zoning district from 20 m (65.6 ft.) to 30 m (98.4 ft.) in order to permit the installation of a telecommunications antenna tower at 17080 Cambie Road; and*
- 2. That Richmond City Council grant concurrence to the proposed telecommunications antenna tower for the site located at 17080 Cambie Road.*



**3. New Business**

**4. Date of Next Meeting: May 25, 2016**

**5. Adjournment**



**Development Permit Panel  
Wednesday, April 27, 2016**

Time: 3:30 p.m.  
Place: Council Chambers  
Richmond City Hall  
Present: Joe Erceg, Chair  
Cathryn Volkering Carlile, General Manager, Community Services  
Robert Gonzalez, General Manager, Engineering and Public Works

The meeting was called to order at 3:32 p.m.

**Minutes**

It was moved and seconded

*That the minutes of the meeting of the Development Permit Panel held on April 13, 2016, be adopted.*

**CARRIED**

**1. Development Variance 15-709889**  
(File Ref. No.: DV 15-709889) (REDMS No. 4948229)

APPLICANT: First Richmond North Shopping Centres Limited

PROPERTY LOCATION: 4751 McClelland Road

**INTENT OF PERMIT:**

1. Vary the provisions of Richmond Zoning Bylaw 8500 to increase the maximum permitted height for an accessory structure in the "Neighbourhood Commercial (ZC32) - West Cambie Area" from 12.0 m (39.4 ft.) to 26.0 m (approximately 85.0 ft.) in order to permit the installation of a flag pole in the plaza area at the corner of Garden City Road and Alderbridge Way.

## **Development Permit Panel**

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#### **Applicant's Comments**

Christopher Block, Chandler Associates Architecture, Inc., accompanied by Cristiana Valero, SmartREIT, with the aid of a visual presentation (attached to and forming part of these minutes as Schedule1), provided background information on the development variance permit application and highlighted the following:

- the development variance permit application is being requested to vary the maximum height for an accessory structure from 12 meters to 26 meters for the installation of a flag pole at the front entrance of the Richmond North Shopping Centre currently under development;
- the proposed flag pole, located at the southwest corner of the shopping centre located at Alderbridge Way and Garden City Road, will only be used to fly the Canadian flag;
- the proposal is a patriotic initiative of the developer and provides a gateway feature to the shopping centre, the City Centre, and Alexandra Neighbourhood; and
- Transport Canada and NAV Canada have no concerns regarding the proposal.

#### **Panel Discussion**

In response to queries from the Panel, Mr. Block advised that (i) the proposed height of the flag pole is necessary to make the Canadian flag visible considering the height of the surrounding buildings, and (ii) the top of the flag pole will be lighted.

#### **Staff Comments**

Wayne Craig, Director, Development, acknowledged support for the development variance permit application, noting that (i) the height of the proposed flag pole relates well to the built context around the area, and (ii) there will be a legal agreement registered on Title restricting the use of the flag pole to fly only the Canadian flag measuring approximately 15 by 30 feet.

#### **Correspondence**

None.

#### **Gallery Comments**

None.



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#### Panel Decision

It was moved and seconded

*That a Development Variance Permit be issued which would vary the provisions of Richmond Zoning Bylaw 8500 to increase the maximum permitted height for an accessory structure in the "Neighbourhood Commercial (ZC32) - West Cambie Area" from 12.0 m (39.4 ft.) to 26.0 m (approximately 85.0 ft.) in order to permit the installation of a flag pole in the plaza area at the corner of Garden City Road and Alderbridge Way.*

**CARRIED**

#### 2. Development Permit 15-697654

(File Ref. No.: DP 15-697654) (REDMS No. 4858900)

APPLICANT: Canada Haotian Investment Ltd.

PROPERTY LOCATION: 8191 Alexandra Road

INTENT OF PERMIT:

1. Permit the construction of a two-storey commercial building at 8191 Alexandra Road on a site zoned "Auto-Oriented Commercial (CA)"; and
2. Vary the provisions of Richmond Zoning Bylaw 8500 to reduce the minimum west interior side yard setback from 3.0 m to 0.46 m.

#### Staff Comments

Mr. Craig advised that to address the referral from the April 13, 2016 Development Permit Panel meeting, the applicant is proposing to add an architectural feature wall at the front and the rear (adjacent to the garbage enclosure) of the proposed building's west side extending to the east side of the neighbouring building to the west. Also, Mr. Craig noted that the narrow gap between the two buildings will remain accessible for the maintenance of equipment on the east wall of the neighbouring building.

#### Applicant's Comments

Patrick Yang, Pacific West Architecture, confirmed that the materials to be used for the architectural feature wall will be the same materials proposed for the subject building.

#### Panel Discussion

In response to a query from the Panel, Mr. Yang commented that sustainability features of the proposed development include, among others, (i) the cantilevered roof at the top of the northeast corner of the building which provides shading to the glazed wall, (ii) use of energy-efficient kitchen equipment, and (iii) installation of a future heat exchange system for the building.

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**Correspondence**

None.

**Gallery Comments**

None.

**Panel Decision**

It was moved and seconded

*That a Development Permit be issued which would:*

1. *permit the construction of a two-storey commercial building at 8191 Alexandra Road on a site zoned "Auto-Oriented Commercial (CA)"; and*
2. *vary the provisions of Richmond Zoning Bylaw 8500 to reduce the minimum west interior side yard setback from 3.0 m to 0.46 m.*

**CARRIED**

**3. Development Permit 15-700370**

(File Ref. No.: DP 15-700370) (REDMS No. 4926276)

APPLICANT: Yamamoto Architecture Inc.

PROPERTY LOCATION: 9560 Alexandra Road

INTENT OF PERMIT:

Permit the construction of 20 three-storey townhouse units at 9560 Alexandra Road on a site zoned "Town Housing (ZT67)".

**Applicant's Comments**

Taizo Yamamoto, Yamamoto Architecture, Inc., stated that in response to the referral from the April 13, 2016 Development Permit Panel, the following revisions to the proposal has been made by the applicant to improve the interface of the subject site with the future City-owned park:

- the developer will construct an elevated three-meter wide planting bed of soil 0.6 meter high and gently sloping back down to grade along the east edge of the park, in addition to the contribution towards the landscape screening in the east edge of the park adjacent to the subject site;
- a terraced wood retaining wall will be introduced along most the west edge of the subject site, similar to the retaining wall condition at the north end of the site, which includes a two-foot high wood retaining wall along the majority of the west property line and another two-foot high wood retaining wall set back from the west property line; and

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- the two retaining walls will be screened with planting.

In response to a query from the Panel, Denitsa Dimitrova, PMG Landscape Architects, noted that (i) screening along the west property line includes a one meter high evergreen row of shrubs, and (ii) trailing plants are proposed for the screening of the two retaining walls. In response to a further query from the Panel, Ms. Dimitrova added that the future strata management for the proposed townhouse development will be responsible for the maintenance of the landscaping along the west property line.

In response to a query from the Panel, Mr. Yamamoto confirmed that (i) the original proposal for a vertical retaining wall will be retained in a small portion northwest of the site (approximately 12 meters wide) to support the visitor parking space and drive aisle end, and (ii) allan block is being proposed to be used for the retaining wall in this location.

#### Correspondence

None.

#### Gallery Comments

None.

#### Panel Discussion

#### Panel Decision

It was moved and seconded

*That a Development Permit be issued which would permit the construction of 20 three-storey townhouse units at 9560 Alexandra Road on a site zoned "Town Housing (ZT67)".*

**CARRIED**

4. **Date of Next Meeting:** May 11, 2016

5. **Adjournment**

It was moved and seconded

*That the meeting be adjourned at 3:52 p.m.*

**CARRIED**

**Development Permit Panel**  
**Wednesday, April 27, 2016**

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Certified a true and correct copy of the Minutes of the meeting of the Development Permit Panel of the Council of the City of Richmond held on Wednesday, April 27, 2016.

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Joe Erceg  
Chair

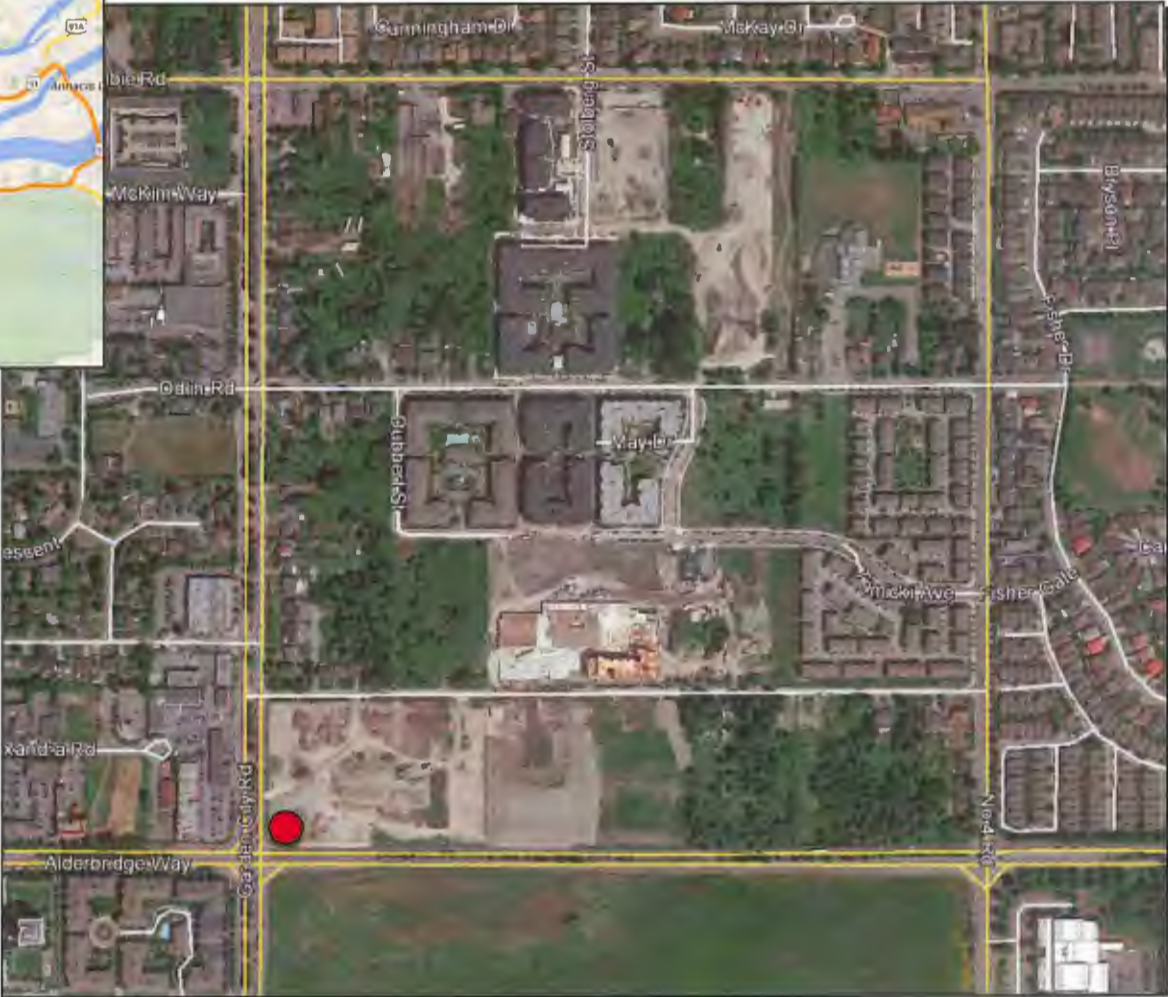
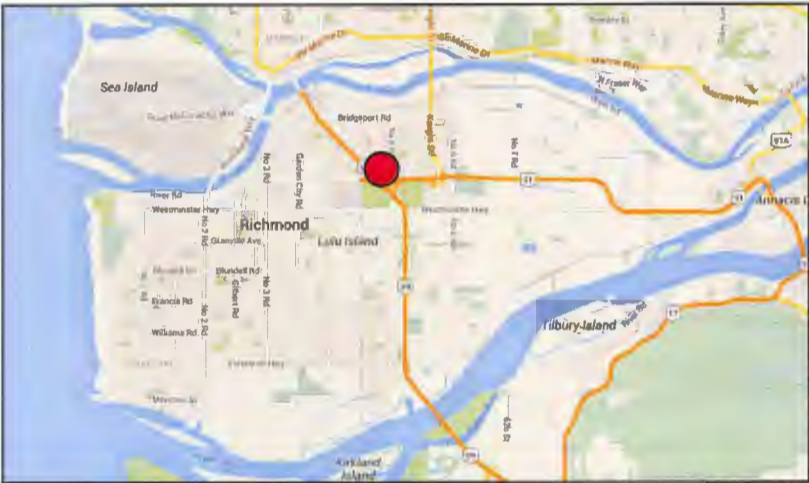
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Rustico Agawin  
Auxiliary Committee Clerk

Schedule 1 to the Minutes of the Development Permit Panel meeting held on Wednesday, April 27, 2016.



Location Map

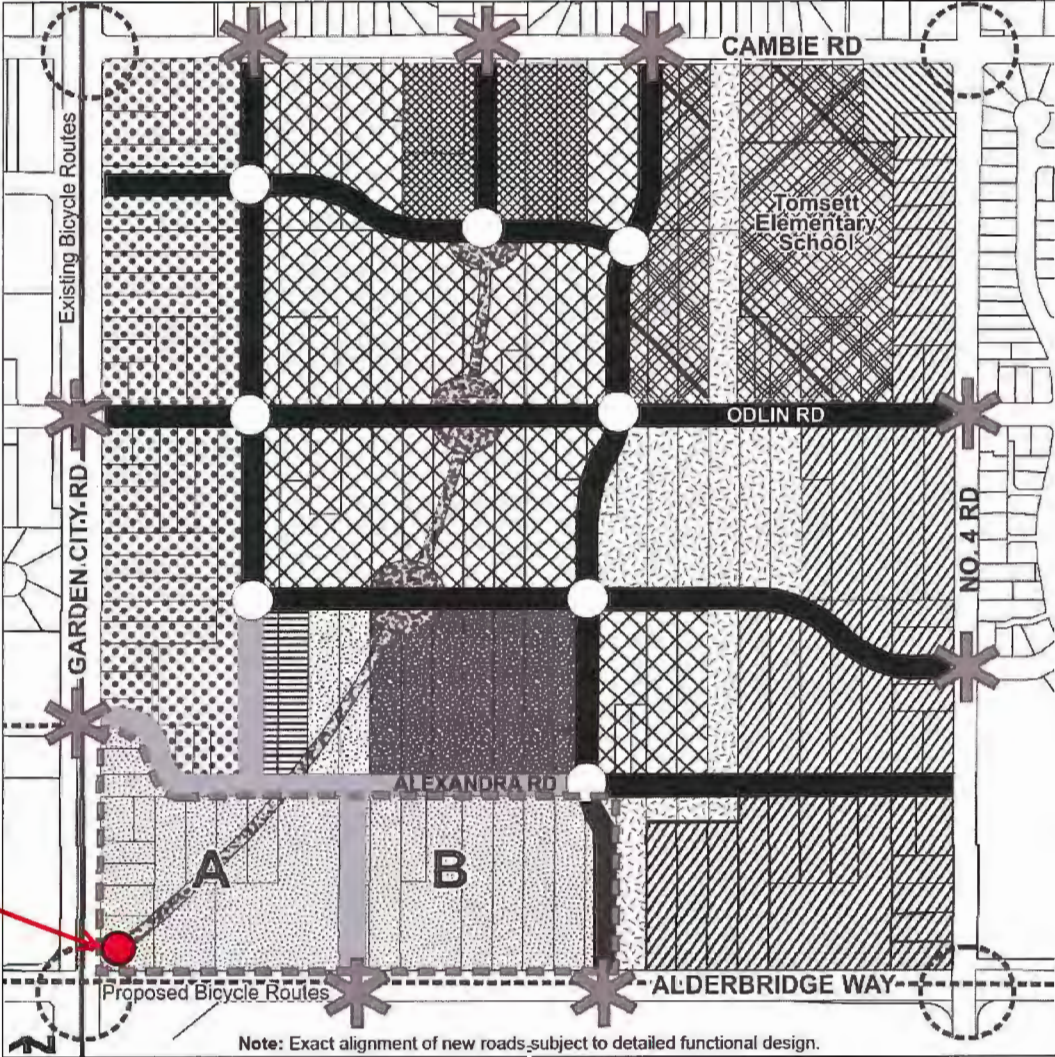




# Alexandra Neighbourhood Land Use Map

## Alexandra Neighbourhood Land Use Map

Bylaw 9121  
2015/06/15



Proposed Flagpole  
Location



The site plan shows the layout of the University of Utah Health Center. Building H is a large rectangular structure with a central courtyard. Building I is a smaller structure to the right of Building H. Building J is a long, narrow structure at the bottom of the plan. A red circle and arrow point to a location labeled 'gpole' near Building J. The plan also shows various landscaping elements, including trees, shrubs, and walkways. A north arrow is located in the upper right corner.





## Proposed Flagpole - Perspective



**SMARTREIT**

CENTRAL AT GARDEN CITY – RICHMOND, BC

# Proposed Flagpole - Elevations



**SOUTH ELEVATION - ALONG ALDERBRIDGE WAY**

SCALE: 1:150



**WEST ELEVATION - ALONG GARDEN CITY ROAD**

SCALE: 1:150



# City of Richmond

## Report to Development Permit Panel

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**To:** Development Permit Panel

**Date:** April 29, 2016

**From:** Wayne Craig  
Director of Development

**File:** DP 15-708397


**Re:** Application by Townline Gardens Inc. for a Development Permit at  
10780 No. 5 Road and 12733 Steveston Highway

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### Staff Recommendation

That a Development Permit be issued which would:

1. Permit the construction of two (2) 8-storey residential buildings and one (1) 4-storey residential building at 10780 No. 5 Road and 12733 Steveston Highway on a site zoned "Commercial Mixed Use (ZMU18) – The Gardens (Shellmont)"; and
2. Vary the provisions of Richmond Zoning Bylaw 8500 to:
  - (a) Increase the maximum height over a parkade structure from six (6) storeys and 25.0 m, to eight (8) storeys and 26.9 m; and
  - (b) Allow the projection of unenclosed balconies to a maximum of 1.8 m into a side yard setback abutting the Agricultural Land Reserve.

  
Wayne Craig  
Director of Development

WC:hc  
Att.

## Staff Report

### Origin

Townline Gardens Inc. has applied to the City of Richmond for permission to develop two (2) 8-storey residential buildings (Building E1 – ‘The Dahlia’ and Building E2 – ‘The Calla’) and one (1) 4-storey residential building (Building F – ‘The Jasmine’), all above an underground parkade. The proposal is for 313 apartment units and 9 townhouse units: Building E1 would have 132 apartment units; Building E2 would have 132 apartment units; and Building F would have 49 apartment units and nine (9) townhouse units.

The current proposal is Phase 3 of ‘The Gardens’, which is a mixed-use development at the northeast corner of Steveston Highway and No. 5. Road. Council approved the rezoning (RZ 08-0450659) for the overall development on July 25, 2011. ‘The Gardens’ site was rezoned from “Service Station District (G2)”, “Botanical Garden District 1 (BG1)” and “Botanical Garden District 2 (BG2)” to “Commercial Mixed Use (ZMU18) – The Gardens (Shellmont)” through Zoning Bylaw 8500 Amendment Bylaw 8532. The vision is a ‘Garden City’ with compact, transit-oriented development, pedestrian-friendly streetscapes and small shops and restaurants within a landscaped setting of common gardens, including opportunities for urban agriculture.

Significant requirements and contributions were secured at the time of rezoning that included:

- 12.2 acre ‘Agricultural-Park’ dedication and the park design;
- 5 % of total residential floor area as affordable housing units;
- A City-owned 37 space child care facility in an upgraded existing building;
- Agricultural Land Reserve (ALR) setback and landscape buffer;
- Enhancement of an existing Riparian Management Area (RMA);
- On-site public art;
- Construction of a north-south and an east-west internal road; and
- Upgrades to the No. 5. Road frontage and existing infrastructure.

The “Commercial Mixed Use (ZMU18) – The Gardens (Shellmont)” Zone permits development of the overall site up to a maximum density of 1.43 FAR, provided that commercial use does not exceed 9,000 m<sup>2</sup> and that residential use does not exceed 53,511 m<sup>2</sup>.

The Development Permit (DP-10-544504) for Phase 1 was issued in 2011 and Buildings A and B along Steveston Highway are built, and the Development Permit for Phase 2 (DP-13-641796) was issued in 2014 and Building D along No. 5 Road is under construction.

The current proposal for Phase 3 is the third and final Development Permit application for the overall site development.

### Surrounding Development

North: A 12.2 acre dedicated ‘Agricultural Park’ zoned “Agriculture and Botanical Show Garden (ZA3) – Fantasy Gardens (Ironwood)”.

- South: Building A and Building B in Phase 1 of 'The Gardens' are immediately south of proposed Building E1, Building E2 and Building F across the traffic end point at the east end of the internal east-west shopping high street.
- East: Beyond the development site is Highway 99, separated from the development site by a tall, evergreen hedge (within the subject site) and a large drainage ditch (within the highway right-of-way). Properties to the east of Highway 99 are agricultural.
- West: Across No. 5 Road is an established, single-family neighbourhood with lots fronting No. 5 Road zoned "Single Detached (RS1/E)" and a townhouse project zoned "Low Density Townhouse (RTL4)" that fronts onto No. 5 Road.

### **Development Information**

The subject site is comprised of two remaining (2) vacant lots on the overall development site. The proposal to develop the two (2) mid-rise (8-storey) apartment buildings, and one (1) low-rise (four-storey) apartment building, is generally consistent with the master plan that was presented to Council at the time of the rezoning (RZ 08-0450659). Vehicle access was provided to the site in Phase 1 of the overall development and includes a right-in only from Steveston Highway, and two-way access from the signalized intersection at No. 5. Road. Pedestrians enter the site from points along No. 5. Road and Steveston Highway and one (1) future walkway will eventually connect the overall site to the 'Agricultural Park'.

The attached Development Application Data Sheet (Attachment 1) provides a comparison of the proposed development data with the relevant Bylaw requirements.

### **Related Policies and Bylaws**

#### Official Community Plan (OCP)

The subject site is designated as "Limited Mixed Use" in the Official Community Plan (OCP), and the proposal is consistent with the vision for the area as medium-density, mid-rise housing with limited commercial, industrial, office, institutional or community uses.

#### Flood Plain Designation and Protection (Bylaw 8204)

In accordance with the Flood Management Strategy, registration of a Flood Indemnity Covenant has been secured as a condition of the rezoning.

#### Affordable Housing Strategy

In accordance with the Affordable Housing Strategy, the applicant is required to provide 5% of total residential floor area as Affordable Housing Units (AHUs), and meet specific commitments in a Covenant for No Development (NDC) that is registered on the subject site. The applicant's proposal is generally consistent with the NDC, and would include a total of 16 AHUs as follows:



- Buildings E1 and E2 together would have one (1) studio; one (1) accessible one-bedroom; five (5) two-bedrooms; and six (6) three-bedrooms;
- Building F would have one (1) two-bedroom and two (2) three-bedrooms.

The existing NDC would be released and simultaneously replaced with a registered RC with the Housing Agreement and the Housing Agreement Bylaw.

#### OCP Accessibility Policy

The proposed development includes 15 AHUs that are basic universal housing units and are designed to be easily renovated to accommodate a future resident in a wheelchair. These single-storey units are required to incorporate all of the accessibility provisions listed in the Basic Universal Housing Features section of the City's Zoning Bylaw.

The proposed development includes 1 barrier free AHU that will be designed to be fully accessible at the time of construction for a resident in a wheelchair.

#### OCP Crime Prevention Through Environmental Design (CPTED)

The development proposal would include standard CPTED features, which are articulated by the applicant in sheet A-004 of the Development Permit plans.

#### Public Art Program (Policy 8703)

In accordance with the Public Art Policy, registration of a NDC for public art was required prior to zoning bylaw adoption. Artist Joel Berman has delivered two pieces for Phases 1 and 2. The remaining amount for Phase 3 is \$143,419. Prior to the issuance of the Development Permit, this outstanding amount would be secured through a Letter of Credit with a letter from the applicant that commits to the timeframe for delivery of the Phase 3 public art and its installation, and the NDC would be released.

#### Childcare Facility

In accordance with the rezoning conditions, registration of a NDC for the City-owned childcare facility was required prior to zoning bylaw adoption. The NDC terms require that the applicant provide plans for improvements to the existing building and outdoor areas, and a timeline and security for completion of a turnkey facility as a condition of the current Development Permit. Occupancy of the City facility must also occur prior to occupancy of any buildings in Phase 3. Facilities and Community Services staff have reviewed and approved the plans, budget and timeline. Prior to the issuance of the Development Permit, the NDC would be released and simultaneously replaced with a No Building Permit Covenant to secure a construction agreement between the City and the applicant with plans, a budget and the completion and occupancy timeline for the childcare facility as a condition of the issuance of any Building Permit for the development.

### Agricultural Landscape Buffer Zone and Maintenance Plan

Registration of a NDC for an Agricultural Landscape Buffer Zone and Maintenance Plan was also required as a condition of the rezoning. The NDC terms require that the applicant provide a plan with the appropriate details for the buffer zone between the north property line of the subject site and the 'Agricultural Park'. Planning staff have reviewed and concur with the Agricultural Landscape Plan (Attachment 3), prepared by the applicant's landscape architect, as provided in the Development Permit plans. Prior to the issuance of the Development Permit, the NDC would be released and simultaneously replaced with a registered RC with the landscape plan and maintenance provisions, and a Statutory Right-of-Way to allow for the City to maintain the buffer area in the event that the strata corporation does not fulfill their legal obligations for maintenance. Costs for the landscaping plan were included in the landscaping estimate for the subject site, and form a component of the associated security.

### Riparian Management Area Landscape and Maintenance Plan

Rezoning conditions included the registration of a NDC for a Riparian Management Area (RMA) Landscape and Maintenance Plan, prior to the bylaw adoption. The NDC terms require that the applicant engage a qualified environmental professional (QEP) to prepare a plan to enhance the RMA in the short-term, and protect, preserve and maintain the RMA over the long-term. The RMA is partially located along the east edge of the subject site and partially on the Ministry of Transportation and Infrastructure (MoTI) lands along the Highway 99 corridor. The applicant's QEP has prepared the RMA plan, including the MoTI portion, and the applicant has agreed to cover all costs for the works through security for the off-site improvements subject to receiving permission from MoTI. Environmental Sustainability staff concur with the QEP plan and QEP-prepared landscape estimate and have received confirmation that the applicant has submitted the MoTI application for permission to undertake improvements on their lands and that approval is pending. Prior to the issuance of the Development Permit, the NDC would be released and simultaneously replaced with a registered RC with the RMA plan and provisions for maintenance and a Statutory Right-of-Way to allow for the City to maintain the RMA in the event the strata corporation does not fulfill their legal obligations for maintenance.

### Noise and CHMC Standards

Registration of a NDC for noise attenuation was required as a condition of the rezoning. Prior to the issuance of the Development Permit, the applicant must provide the mechanical and/or acoustical engineering reports to demonstrate that the proposed buildings will meet the appropriate standards.

### **Rezoning and Public Hearing Results**

The Public Hearing for the rezoning application was held on October 19, 2009. While no objections to the proposed development were raised, some concerns were expressed about the traffic impact in the immediate vicinity. As a result, improvements were made in Phase 1 of 'The Gardens' to the Steveston Highway and No. 5 Road intersection and a new signalized intersection was introduced along No. 5 Road at the entry to the subject site.

## Zoning Compliance/Variations

The proposed scheme attached to this report has satisfactorily addressed urban design issues and responded to staff comments in the review process for this Development Permit application. The proposal is generally consistent with applicable sections of the Official Community Plan (OCP) Bylaw 9000 and Schedule 2.8A – Shellmont Area – Ironwood Sub-Area Plan in the OCP Bylaw 7100 including design guidelines. Two (2) zoning variances are required as noted below.

The applicant requests to vary the provisions of Richmond Zoning Bylaw 8500 to:

- (a) Increase the maximum height over a parkade structure from six (6) storeys and 25.0 m, to eight (8) storeys and 26.9 m; and

*Staff support the proposed variance for height because the request is technical in nature for mechanical penthouses only and the building wall would not exceed the maximum of 25.0 m. The increase in storeys is also technical in that a mixed-use building of six storeys with commercial at grade is approximately equivalent to an eight-storey apartment building with no commercial at grade. It is possible to accommodate the eight (8) storeys within the maximum height through the use of concrete construction which enables lower storeys than wood frame.*

- (b) Allow the projection of unenclosed balconies to a maximum of 1.8 m into a side yard setback abutting the Agricultural Land Reserve.

*This regulation is part of the zone to protect farm uses in the ALR. The adjacent lands are located within the ALR but are not farmed as the property is dedicated to the City as a park. Staff support the proposed variance because the projection of unenclosed balconies further into the north (side) setback would help to connect the occupants of the apartment units to the people and activities in the park, and thereby promote animation. The balcony projections into the side setback would have no adjacency or other negative impacts, given the dwelling units would be facing a park and not sensitive land uses (e.g. adjacent residential buildings).*

## Urban Design Response

### Advisory Design Panel Comments

The Advisory Design Panel recommended support for this Development Permit application. A copy of the relevant excerpt from the Advisory Design Panel Minutes from December 17, 2015 is attached (Attachment 4). The design response from the applicant is included immediately following the specific Design Panel comments and is identified in '***bold italics***'.

## Analysis

### Conditions of Adjacency and Streetscape

The proposed design of Building E1, Building E2 and Building F respect adjacent properties and neighbouring land uses to ensure urban design is well-suited to the site in the following ways.



- Buildings E1, E2 and F would have no shadow impacts on the 'Agricultural-Park'.
- The proposed development would not have a negative impact on public views from the 'Agricultural Park', looking south:
  - While Buildings E1 and E2 would be 26.9 m, this height is measured to the top of proposed mechanical structures on the rooftops, whereas the highest point on the residential storeys would be 25.0 m. The penthouses would not impede views as they would be small and situated far back on the roofs near the south-west edges.
  - Though the above-grade exterior of the parking roof deck would be visible along the north edges of the subject site, the 'blank wall' appearance would be softened through plantings in the Agricultural Buffer Area and trees in front of Building F.
- The views of Building F from Highway 99 would be somewhat screened from view due to the existing tall, evergreen hedge. The fencing around the dog park between Building F and the RMA at the northeast edge of the subject site would be sited to meet the setback distance required to protect this environmentally sensitive area.
- The relationships between Buildings E1, E2 and F would effectively create streetscapes:
  - Building E1 would complete the sense of enclosure with Building D along the internal road, and the mirroring of Buildings E1 and E2 would create the edges of an enclosed plaza between the two buildings.
  - The three-storey podium of the south elevations of Buildings E1 and E2 would be complementary to the height of the commercial storeys along the north elevations of Buildings A and B. Together these four buildings would form the streetscape along an internal east-west retail street.
  - The three-storey podium of Building E2 would complement the four-storey Building F and their east/west elevations would provide a sense of enclosure around the 'pedestrian mews'.

### ***Site and Functional Planning***

- This site is located at an important southern gateway to Richmond from Highway 99 and the vision for multi-storey (above parking structure) built form was designed to provide an appropriate framing element on the north side of Steveston Highway, which will eventually become an entry 'portal' into the city.
- The overall development vision includes seven buildings all located on an internal east-west 'high street' on top of the parking roof deck with apartments above ground-level commercial. This pedestrian-scale retail street incorporates a variety of store frontages, a limited amount of surface parking, wide sidewalks, raised crosswalks, decorative paving and other special features intended to create an enjoyable pedestrian experience and to contribute to a vibrant 'urban village'.
- The proposed site plan for Buildings E1, E2 and F is broadly consistent with the overall vision to create a vibrant, mixed-use, 'urban village'.
  - The public realm between Buildings E1 and E2 and between Building E2 and Building F would consist of high-quality gardens, courtyards, plazas, and the 'pedestrian mews' connecting to the 'Agricultural Park' with trees, shrubs, plantings, outdoor seating and viewing areas that are appropriately detailed.
  - The site orientation of Building F in relation to Building E2 would create a generous 'mouth' at the south edge of the pedestrian mews and the 'funnel'

configuration that would encourage pedestrians toward the plaza at the north end of the mews and to cross over the 'grand staircase' and Agricultural Landscape Buffer into the 'Agricultural Park'.

- Interruption of the public realm at the vehicle entry point to the underground parkade, along the west elevation of Building E1, would be softened through extensive plantings along the road and the private patios.
- Pedestrian connectivity would be further achieved through the completion of the public sidewalk along the north side of the road between Buildings E1, E2 and F.

### ***Parking and Loading***

- In Phase 1, the applicant provided a parking study and proposed a suite of transportation demand management (TDM) measures that Transportation staff accepted as sufficient to support a 10% reduction in the on-site parking requirements for the overall development.
- Phase 3 complies with the 10% reduction in vehicle parking ratios for apartment, townhome and affordable housing spaces, small car stalls, accessible and visitor spaces, and loading spaces. All required commercial spaces for the overall development were provided in Phase 1, and these are spaces that are shared as unassigned residential visitor parking for Phase 1 and Phase 2. Class 1 and Class 2 bicycle parking facilities would comply with the Bylaw requirements. The table below is a statistical summary for the Phase 3 vehicle and bicycle parking and loading spaces.

Land Use	Required Parking	Parking Reduction (TDM & Overlap)	Proposed Parking Provided	
Residential Apartment	446	476 - 10% = 428	Apartment = 386	
Residential Townhome	14		Townhome = 27	
Residential Affordable Housing	16		Affordable = 15	
Visitor	10	10 - 10% = 9	Visitor = 59	
Total	476	476 - 10% = 428	Total = 428	
Small Car Stalls (50% allowed)	238	238 - 10% = 214	202 (residential only)	
Accessible Parking Stalls	10	10 - 10% = 9	9 (residential only)	
Shared Commercial & Residential Visitor	Phase 3 = 0 Overall = 351	Phase 3 = 0 Overall = 351-10% = 316	At Grade/On Street = 45 Parkade P1 Level = 383 Total = 428	Based on shared commercial / residential visitor parking
Phase 3 - Total Vehicle Parking	476	428		
Residential Class 1 Bike Parking	392	n/a	419	0% reduction
Residential Class 2 Bike Parking	83	n/a	n/a (provided in Phase 1)	
Commercial Class 1 Bike Parking	n/a	n/a	n/a	0% Reduction
Commercial Class 2 Bike Parking	n/a	n/a	n/a	
Loading Spaces	3	n/a	3	3

- All required visitor bicycle racks were provided in Phase 1;
- Phase 3 bicycle storage units would be located in the bike pavilion/parking structure;
- Phase 3 vehicle parking stalls would be provided partly in the underground parkade, and partly in the above-ground bicycle pavilion/parking structure to the east of Building F.

### ***Architectural Form and Character***

- One central principle in the design guidelines for Shellmont Area – Ironwood Sub-Area is the ‘pedestrian-first orientation’ that would be achieved through the design as follows:
  - Buildings E1 & E2:
    - These would be eight-storey L-shaped buildings in mirror image that would form the enclosed plaza and garden spaces as noted previously.
    - Some units would have individual entrances and others would have patios that would connect the private and public realms.
    - The form and massing would be stepped back at the three-to-four storey podium on all elevations with a narrow second street wall setback at the penthouse storey. The podiums would create a sense of human-scale and setbacks would further help to reduce the pedestrians’ experience of bulk, size and scale in the buildings through creating a ‘bottom, middle and top’.
  - Building F
    - This is a four-storey L-shaped building that frames the pedestrian path to the common entrance, and enfolds the above-ground parking structure.
    - Most of the ground-level units would have private entrances and patios, further strengthening the interface between the public and private realm.
    - Garage entrances along the east elevation are blended with upper storeys through the vertical continuity of materials, textures and colours, which reduce the visual dominance of the doors and create streetscape rhythm.
- Though the architectural features and expression of Buildings E1 and E2 is distinct from Building F, both are well-integrated in the overall development. Building F is similar in its volumetric form, massing, height and palette to Building D and together would frame the northerly edges of the site. The podium along the south elevation of Buildings E1 and E2 takes cues from the datum line of the commercial storey of Buildings A and B and the finishes and palettes on both sides of the retail street would be complementary.

### ***Landscape Design and Open Space Design***

- As part of the rezoning, the applicant was required to dedicate approximately 12.2 acres as an ‘Agricultural Park’ that will include trails, play areas, ponds, community gardens, horticultural and agricultural interpretive facilities in the various garden areas.
- Phase 1 and 2 provided a high quality of hard and soft landscape design, materials, detailing and furnishings. All soft landscape areas have an automatic irrigation system. Landscaping the internal road between Building D and E1 included 1.5 m wide boulevard planting strips with street trees and grass and 2.0 m wide sidewalks on both sides, which will also provide future pedestrian access to the ‘Agricultural-Park’.
- Phase 3 landscaping would include the following:
  - The courtyard between Buildings E1 and E2 would have five zones: a large amenity garden with a simple sheet of lawn and water feature; a summer flower garden; a children’s play area; a covered outdoor dining area and large semi-private patios for the units facing the common spaces.

- The pedestrian mews would have a linear path with textured concrete pavers in a charcoal colour alongside grasses and other plantings that would visually and physically connect the mews to the semi-private patios of Buildings E2 and F. Its south end would have a trellis structure with seating oriented to north, and way-finding to the grand staircase and ramps to provide universal access to the park.
- Hard surface treatments along the east side of Building F would have a variety of textures to clearly separate the pedestrian and drive aisle zones and to provide for wayfinding to the building main entry and a dog park in the east corner of the site. There would also be a short wavy path from that entrance to a water basin feature that would visually and physically connect to the bike pavilion with a treed green-roof to contribute to the garden theme and prevent anyone climbing onto the roof. The dog park would be gravel with protective fencing setback from the RMA and include covered seating and a drinking basin for the comfort of residents and pets.
- The Agricultural Landscape Buffer Area would have cedar hedging and a variety of thorny plantings that would serve as an effective barrier between the ALR buffer and the development site, while providing an attractive landscape strip when seen from the park and Buildings E1, E2 and F.

## Conclusions

The proposed design is responsive to the City of Richmond's urban design objectives within the Ironwood Sub-Area of the Shellmont neighbourhood, and is generally consistent with the master plan that was presented to Council at the time of rezoning. The siting of the proposed buildings and their respective forms, massing and heights would complete the envisioned streetscapes and urban design pattern of the central spine (i.e. retail street) courtyards, gardens, a large plaza (i.e. the south end of the mews) and pedestrian connections to the 'Agricultural Park'. The proposed architectural styles, features and exterior finishes are complementary to the mixed-use buildings on Steveston Highway, and the apartment building under construction on No. 5. Road. With respect to the proposed variances, the projection of balconies into the north side yard setback would have no negative impacts on the ALR lands, and would help foster animation through connecting residents to people and activities in the park. Also the height of the small rooftop structures would not impede public views from the park or otherwise detract from the appearance of the eight-storey buildings. As the proposal would meet the applicable design guidelines, staff recommend support for this Development Permit Application.

*Helen Cain*

Helen Cain  
Planner 2  
(604-276-4193)

HC:cas

Attachment 1: Data Sheet

Attachment 2: Sustainability and CPTED Provisions List (provided by applicant)

Attachment 3: Agricultural Landscape Buffer Zone Plan (provided by applicant)

Attachment 4: Advisory Design Panel Minutes & Applicant Responses (inserted in bold italics)

**The following are to be met prior to forwarding this Development Permit application to Council for approval:**

1. Discharge of the existing No Development Covenant (NDC) for affordable housing (Charge Number CA3856784) on Parcels D and E in the Land Title Office subject to the simultaneous registration of a Restrictive Covenant (RC) that secures affordable housing in a Housing Agreement as indicated below.
  - a) The form of the Housing Agreement is to be agreed to by the developer and the City, and registered on title, prior to Development Permit approval on Parcels D and E. The terms of the Housing Agreement shall indicate that they apply in perpetuity and provide for, but are not limited to, the following:
    - occupants of the affordable housing units shall, to the satisfaction of the City shall enjoy full and unlimited access to and use of all on-site indoor and outdoor amenity spaces;
    - the required minimum floor area of the affordable housing units shall be a minimum of 5% of the residential gross floor area (no exceptions) as projected in Table 1 below;
    - all affordable housing units shall be built to the City's Basic Universal Housing guidelines;
    - the number of affordable housing units, together with their types, sizes (averages in Table 1; minimums in Table 2), and unit mix shall be provided to the satisfaction of the City according to the following schedule:

**Table 1**

Phase	Unit Type	No. of Units	%	Average Unit Size	Total Amount (ft <sup>2</sup> )
Phase 3 (Parcel D) Buildings E1 & E2	1 Studio	1	8%	491	491
	Accessible 1 Bedroom	1	8%	602	602
	2 Bedroom	5	38%	879	4,395
	3 Bedroom	6	46%	990	5,940
	Sub-Total	13	100%	-	11,428
Phase 4 (Parcel E) Building F	2 Bedroom	1	33%	868	868
	3 Bedroom	2	67%	982	1,964
	Sub-Total	3	100%	-	2,832

- rental rates and occupant income restrictions shall be in accordance with the City's Affordable Housing Strategy and guidelines for Low End Market Rental housing, according to the following schedule:

**Table 2**

Unit Type	Minimum Unit Sizes	Maximum Monthly Rent	Total Household Annual Income <sup>1,2</sup>
Bachelor	37 m2 (400 ft2)	\$850	\$34,000 or less
One bedroom	50 m2 (535 ft2)	\$950	\$38,000 or less
Two bedroom	80 m2 (860 ft2)	\$1,162	\$46,500 or less
Three bedroom	91 m2 (980 ft2)	\$1,437	\$57,500 or less

Notes:

<sup>1</sup> Denotes 2013 amounts adopted by Council on March 11, 2013 .

<sup>2</sup> Household income may be increased annually by the Consumer Price Index.

2. Discharge of the No Development Covenant (NDC) for the provision of a child care facility (Charge Number CA2766525) on Parcels D and E in the Land Titles Office subject to the simultaneous registration of a No Building Permit Covenant on Parcel D and E as indicated below:

- a) The form of the legal agreement is to be agreed to by the developer and the City, and registered on title, prior to Development Permit approval on Parcels D and E. The terms of the NDC shall indicate that no building permit for Parcel D and E shall be issued until both parties have entered into a construction agreement for the 37-space child care facility and provide for, but are not limited to, the following:
- The completion, at the Owner's sole cost, of the Works on the City lands;
    - budget and letter of credit in the amount of \$2,620,050.00 to secure the completion of the works;
    - timeline to completion and occupancy and other items and conditions to the satisfaction of staff.
    - building Permit plans for improvements to the existing building, associated outdoor spaces (e.g. landscaping) and parking;
    - no occupancy permit for any building on Parcel D and E shall be issued until an occupancy permit has been issued for the conversion of the existing building to the childcare facility and any necessary legal agreements for accessory areas (e.g. parking) to the satisfaction of staff.
3. Discharge of the No Development Covenant (NDC) for the Agricultural Buffer Zone Landscaping and Maintenance Plan on Parcels D and E (Charge Number CA2088645 to CA2088647) subject to the simultaneous registration of a Restrictive Covenant (RC) that secures a Landscape Buffer Zone and Maintenance Plan as indicated below.
- a) The form of the legal agreement is to be agreed to by the developer and the City, and registered on title, prior to Development Permit approval on Parcels D and E. The terms of the RC shall indicate that they apply in perpetuity and provide for, but are not limited to, the following:
- the plan for the enhancement, management and maintenance of the landscape buffer area, prepared by a registered landscape architect, to the satisfaction of the City.
    - no building, structure or improvement shall be constructed or permitted to be constructed in or on the landscape buffer, unless the City provides its written consent as per an approved Development Permit or Servicing Agreement;
  - registration of a Statutory Right-of-Way along the entire Agricultural Buffer Area, which shall apply in perpetuity, to provide for access for the protection, preservation and maintenance of the Landscape Buffer Area by the City if required.
  - the owner shall not grant any easements, statutory rights of way or other grants, leases or licences over the landscape buffer area without the prior consent of the City.
4. Registration of a Public Right-of-Passage Statutory Right-of-Way, between Building E2 and Building F, which shall apply in perpetuity, to provide for public access to and along the pedestrian mews and through the Agricultural Buffer Area to the City's park lands. The maintenance and liability associated with the public walkway shall be the responsibility of the strata corporation.
5. Discharge of the No Development Covenant (NDC) for the Riparian Management Area Landscape and Maintenance Plan on Parcels D and E (Charge Number CA2088637 to CA2088639), subject to the simultaneous registration of a Restrictive Covenant (RC) for a Riparian Management Area Landscape Plan as indicated below.
- a) The form of the legal agreement is to be agreed to by the developer and the City, and registered on title, prior to Development Permit approval on Parcels D and E. The terms of the RC shall indicate that they apply in perpetuity and provide for, but are not limited to, the following:
- the plan for the protection, management and maintenance of the preservation area, prepared by a qualified environmental professional, to the satisfaction of the City.
  - the completion of the works, at the developer's sole cost, including the portion of the Preservation Area that is Crown lands;

- a letter of credit in the amount of \$86,569.42 for the completed works (based on the Preservation Area enhancements cost estimate prepared by a qualified environmental professional), which will be returned after the enhancements to the Preservation Area, to the satisfaction of the City.
  - registration of a Statutory Right-of-Way, which shall apply in perpetuity, to provide for access for the City for the protection, preservation, management and maintenance of the Preservation Area by the City if required.
  - the owner shall not grant any easements, statutory rights-of-way or other grants, leases or licences over the Preservation Area without the written prior consent of the City.
6. Discharge of the No Development Covenant (NDC) for public art on Parcels D and E (Charge Number CA2088662), subject to provision of a letter from the applicant with a timeline for delivery of the public art and its installation, and a Letter of Credit in the amount of \$143,419.00 (based on total floor area minus affordable housing area), which will be returned after the installation of the public art to the satisfaction of the City.
  7. Confirmation that all the underground parking on Parcels D and E is solely for the benefit of Parcels D and E or registration of appropriate easement agreements for lots and/or parcels to be provided for access to these parking stalls.
  8. Provision of a letter of credit by the owner/developer for supply and installation of landscape site improvements in the amount of \$860,667.94 (based on a landscape cost estimate prepared by a registered landscape architect).
  9. Consolidation of Parcel D and Parcel E unless an alternate legal agreement is secured with respect to the encroachment of the parking structure across the shared property line, to the satisfaction of the Director of Development.

**Prior to Building Permit Issuance, the developer must complete the following requirement**

1. Incorporation of accessibility measures in Building Permit (BP) plans as determined via the Rezoning and/or Development Permit processes.
2. Obtain a Building Permit (BP) for any construction hoarding. If construction hoarding is required to temporarily occupy a public street, the air space above a public street, or any part thereof, additional City approvals and associated fees may be required as part of the Building Permit. For additional information, contact the Building Approvals Division at 604-276-4285.

**Note:**

- \* This requires a separate application.

Where the Director of Development deems appropriate, the preceding agreements are to be drawn not only as personal covenants of the property owner but also as covenants pursuant to Section 219 of the Land Title Act.

All agreements to be registered in the Land Title Office shall have priority over all such liens, charges and encumbrances as is considered advisable by the Director of Development. All agreements to be registered in the Land Title Office shall, unless the Director of Development determines otherwise, be fully registered in the Land Title Office prior to the issuance of the Development Permit.

The preceding agreements shall provide security to the City including indemnities, warranties, equitable/rent charges, letters of credit and withholding permits, as deemed necessary or advisable by the Director of Development. All agreements shall be in a form and content satisfactory to the Director of Development.

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Signed

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Date



# City of Richmond

## Development Application Data Sheet

Development Applications Department

**DP 15-708397**

**Attachment 1**

Address: 10780 No 5 Road / 12733 Steveston Highway

Applicant: Joseph Lau, ZGF Cotter Architects

Owner: Townline Gardens Inc.

Planning Area(s): Shellmont Ironwood Sub-Area

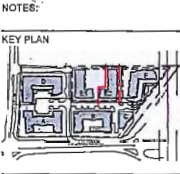
Floor Area

Gross: 27,222 m<sup>2</sup> Floor Area Net: 26, 157 m<sup>2</sup>

	Existing	Proposed	
<b>Site Area:</b>	17, 088 m <sup>2</sup>	17, 088 m <sup>2</sup>	
<b>Land Uses:</b>	Vacant	Residential apartment	
<b>OCP Designation:</b>	Limited Mixed Use	No change	
<b>Zoning:</b>	"Commercial Mixed Use (ZMU18) – The Gardens (Shellmont)"	No change	
<b>Number of Units:</b>	322	322	
	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	1.43	1.39	none permitted
Lot Coverage:	Max. 50%	26.3%	n/a
Setback – Front Yard (west):	Min. 6.0 m	8.40 m (Building E1)	n/a
Setback – Rear Yard (east):	Min. 6.0 m	11.60 m (Building E1)	n/a
Setback – Side Yard (north):	Min. 6.0 m No projection into setback abutting ALR	6.10 m (Building E1) Projection of 1.80 m for unenclosed balconies	<b>Variance required</b>
Setback – Side Yard (south):	Min. 3.0 m	7.50 m (Building E2)	n/a
Height (m):	Max. 25.0 m 6 storeys	26.9 m 8 storeys	<b>Variance required</b>
Lot Size:	Min. 3,000 m <sup>2</sup>	4,496 m <sup>2</sup>	n/a
Off-street Parking Spaces – Regular/Commercial:	428 residential No commercial	428 residential No commercial	n/a
Off-street Parking Spaces – Accessible:	9	9	n/a
Total off-street Spaces:	428	428	n/a
Tandem Parking Spaces	not permitted	none	n/a
Amenity Space – Indoor:	Min. 70 m <sup>2</sup>	Provided in Phase 1	n/a



APR 29 2016



18	8	Sustainable Sites	Possible Points:	26
Y	?	N		
Y		Prereq 1 Construction Activity Pollution Prevention		1
1		Credit 1 Site Selection		5
5		Credit 2 Development Density and Community Connectivity		1
1		Credit 3 Brownfield Redevelopment		6
6		Credit 4.1 Alternative Transportation—Public Transportation Access		1
1		Credit 4.2 Alternative Transportation—Bicycle Storage and Changing Rooms		3
3		Credit 4.3 Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles		2
2		Credit 4.4 Alternative Transportation—Parking Capacity		1
1		Credit 5.1 Site Development—Protect or Restore Habitat		1
1		Credit 5.2 Site Development—Maximize Open Space		1
1		Credit 6.1 Stormwater Design—Quantity Control		1
1		Credit 6.2 Stormwater Design—Quality Control		1
1		Credit 7.1 Heat Island Effect—Non-roof		1
1		Credit 7.2 Heat Island Effect—Roof		1
1		Credit 8 Light Pollution Reduction		1
4	6	Water Efficiency	Possible Points:	10
Y		Prereq 1 Water Use Reduction—20% Reduction		2 to 4
2	2	Credit 1 Water Efficient Landscaping		2
2		Credit 2 Innovative Wastewater Technologies		2 to 4
2	2	Credit 3 Water Use Reduction		
9	26	Energy and Atmosphere	Possible Points:	35
Y		Prereq 1 Fundamental Commissioning of Building Energy Systems		
Y		Prereq 2 Minimum Energy Performance		
Y		Prereq 3 Fundamental Refrigerant Management		
4	15	Credit 1 Optimize Energy Performance		1 to 19
7		Credit 2 On-Site Renewable Energy		1 to 7
2		Credit 3 Enhanced Commissioning		2
2		Credit 4 Enhanced Refrigerant Management		2
3		Credit 5 Measurement and Verification		3
2		Credit 6 Green Power		2
7	2	Materials and Resources	Possible Points:	14
Y		Prereq 1 Storage and Collection of Recyclables		
	3	Credit 1.1 Building Reuse—Maintain Existing Walls, Floors, and Roof		1 to 3
	1	Credit 1.2 Building Reuse—Maintain 50% of Interior Non-Structural Elements		1
2		Credit 2 Construction Waste Management		1 to 2
1	1	Credit 3 Materials Reuse		1 to 2
Materials and Resources, Continued				
Y	?	N		
2			Credit 4 Recycled Content	1 to 2
2			Credit 5 Regional Materials	1 to 2
1			Credit 6 Rapidly Renewable Materials	1
	1		Credit 7 Certified Wood	1
9	5	Indoor Environmental Quality	Possible Points:	15
Y		Prereq 1 Minimum Indoor Air Quality Performance		
Y		Prereq 2 Environmental Tobacco Smoke (ETS) Control		
	1	Credit 1 Outdoor Air Delivery Monitoring		1
	1	Credit 2 Increased Ventilation		1
1		Credit 3.1 Construction IAQ Management Plan—During Construction		1
1		Credit 3.2 Construction IAQ Management Plan—Before Occupancy		1
1		Credit 4.1 Low-Emitting Materials—Adhesives and Sealants		1
1		Credit 4.2 Low-Emitting Materials—Paints and Coatings		1
1		Credit 4.3 Low-Emitting Materials—Flooring Systems		1
1		Credit 4.4 Low-Emitting Materials—Composite Wood and Agrifiber Products		1
	1	Credit 5 Indoor Chemical and Pollutant Source Control		1
1		Credit 6.1 Controllability of Systems—Lighting		1
1		Credit 6.2 Controllability of Systems—Thermal Comfort		1
1		Credit 7.1 Thermal Comfort—Design		1
1		Credit 7.2 Thermal Comfort—Verification		1
1		Credit 8.1 Daylight and Views—Daylight		1
	1	Credit 8.2 Daylight and Views—Views		1
5	1	Innovation and Design Process	Possible Points:	6
1		Credit 1.1 Innovation in Design: Specific Title		1
1		Credit 1.2 Innovation in Design: Specific Title		1
1		Credit 1.3 Innovation in Design: Specific Title		1
1		Credit 1.4 Innovation in Design: Specific Title		1
1		Credit 1.5 Innovation in Design: Specific Title		1
1		Credit 2 LEED Accredited Professional		1
2	2	Regional Priority Credits	Possible Points:	4
1		Credit 1.1 Regional Priority: Specific Credit		1
1		Credit 1.2 Regional Priority: Specific Credit		1
1		Credit 1.3 Regional Priority: Specific Credit		1
1		Credit 1.4 Regional Priority: Specific Credit		1
54	50	6 Total	Possible Points:	110
Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110				

Sustainability Strategies

Key Features:

- Site use
- Alternative Transportation Strategies
- Heat Island
- Water conservation and Efficiency
- Energy Conservation
- Equipment Efficiency
- System Optimization
- Construction waste management
- Recycled Materials
- Indoor Air Quality
- Green Cleaning
- Green education

The Site

Townline is committed to a development that embodies sustainability and contributes to improving the livability of the area. As the project being submitted for review is part of a larger development it will share a number of features that enhance its sustainability and livability. The approach is to look for a sustainable strategy that sees the site as a whole and adopt a common set of features that benefit all three buildings of the proposal as well as the entire site.

Some of these features being considered include extensive landscaping, not only to enhance livability of the residence, but to also to manage the site's stormwater quality and quantity. For example, the site will also use the adjacent park as a storm retention pond to further control the quantity and quality of the storm water that is to be ejected into the municipal infrastructure. Programs will be adopted to facilitate sustainable living by the residents. Equipment will be carefully chosen due to their impact on or enhancement of the environment.

Site Use

Alternative Transportation Strategies

The project is located adjacent to bus routes allowing occupant to get to and from the site without dependence on a single occupancy vehicle. To further promote a reduction in single occupancy vehicle usage, bicycle storage will be provided on the site to encourage the use of bicycles. There is also a car share program that has been implemented for the site. The Site also provides trip facilities (showers) for the retail tenants and users. With over 7000sf of onsite indoor amenity in Phase 1 for use by all phases, the site encourages healthy exercise and social interaction.

Heat Island

Most of parking for the development will be located underground. This reduces the amount of heat absorbed by the surface level hardscapes that would otherwise be found on a ground level parking lot. This also ensures a more productive use of the site and eliminates parking sprawl while increasing project density.

Water efficiency

Water Conservation

The Gardens will be designed with optimum water management in mind. All water fixtures: faucets, toilets, and showers will be selected to be water efficient. Where efficiency can be further improved, fixtures may be equipped with aerators and/or flow reducers to maximize their water efficiency while maintaining occupant usability and satisfaction.

Landscaping

Landscaping will be designed to include native and/or adaptive vegetation to increase natural resiliency throughout all climatic conditions; therefore reducing water demands and significantly limiting additional maintenance and artificial fertilization.

Energy Efficiency

Building Facade Design

Utilization of a high performance, double-gazed, thermally broken window systems will provide a high degree of thermal efficiency overall. The energy used to keep the occupant thermally comfortable will be significantly reduced. Window to wall ratios will also be specially selected to manage solar heat gains and energy losses through glazing for each building.

Equipment Efficiency

In terms of heating and cooling efficiency, the first and most effective strategy in energy savings is reducing the need for it. For the development, the exterior envelope is a key component of this reduction strategy. The ideal system for integration into the buildings is still being evaluated.

Lighting

In common areas, energy usage will be further reduced by pursuing sustainable lighting strategies:

- Compact Fluorescent Lighting
- LED Signage
- High Efficiency Ballasts
- Daylighting controls with dimmable ballasts
- Zone switched Luminaries
- Occupancy sensors

The appropriate lighting power density levels will also be specified and a high degree of measurement and control of all systems will positively impact power consumption and energy user flexibility and energy management.

System Optimization

To ensure that energy performance is achieved according to design, all major systems of the buildings are planned to be commissioned by an independent commissioning agent.

Materials and Resources

Recycling and Composting Facilities

To promote ongoing recycling activities once occupied, recycling facilities will be located in close proximity the garbage disposal where clearly labeled sorting containers help encourage users to recycle where appropriate and avoid sending recyclable waste to the landfill. An extensive composting program will also be adopted for the site.

Recycling Materials

Each building will focus on selecting materials with recycled content. By seeking out and using recycled materials the project hopes to achieve a recycled content of at least 10%, even 20% where possible. This will most likely be done through the careful selection of structural systems like concrete and steel where the impact of recycled materials can be most significant.

Indoor Air Quality

Low Emitting materials

Each building will also be finished using specified materials with lower VOC content. These materials include paint, sealants, adhesives, and flooring and will be utilized to limit the release of chemicals once the materials are installed, improving post construction air quality for the occupants. Urea formaldehyde woods and composites will not be specified to limit the release of chemical after construction.

Innovation in Design

Green Cleaning

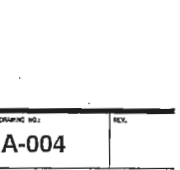
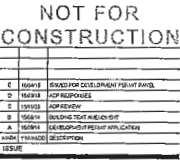
The building janitorial contractor will be expected to select environmentally sensitive and natural cleaning products while also using cleaning practices proven to reduce the impact of those cleaning agents on the environment. These practices will also help maximize indoor environmental quality by limiting the chemical release into the occupant space through janitorial practices.

Green Education

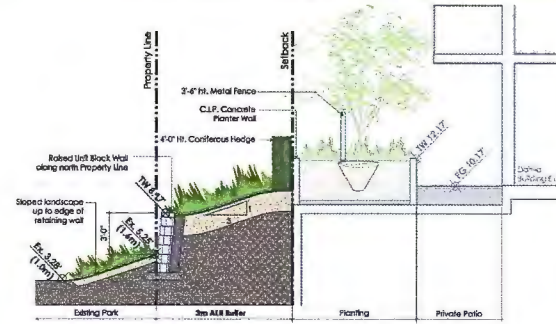
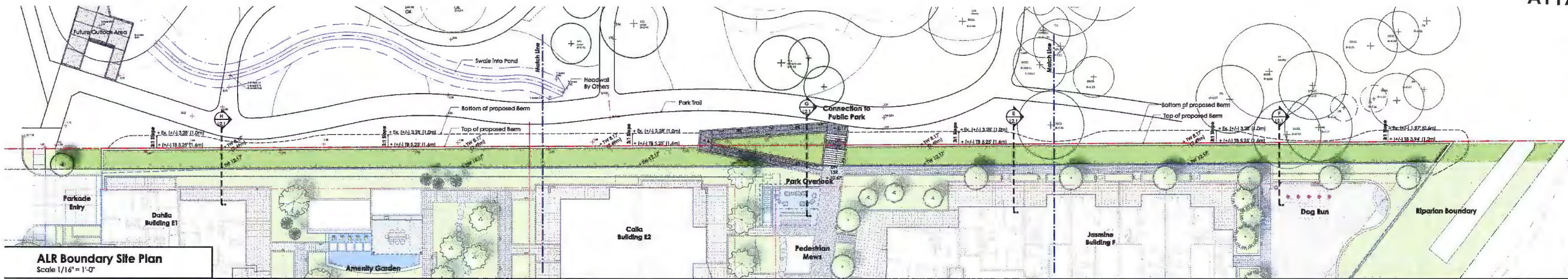
Both an active and passive education strategy are planned to help transfer knowledge to the tenants and the visitors of the Gardens development. They will be informed on the benefits of the features adopted in the building as well as for the larger site. In the adjacent park, a program will be implemented to introduce the community to urban farming and horticulture.

NOTES:

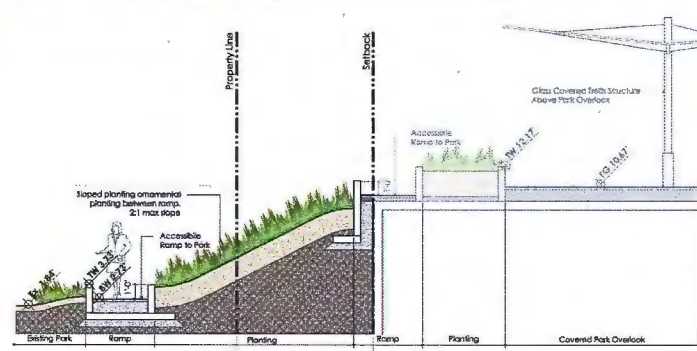
KEY PLAN



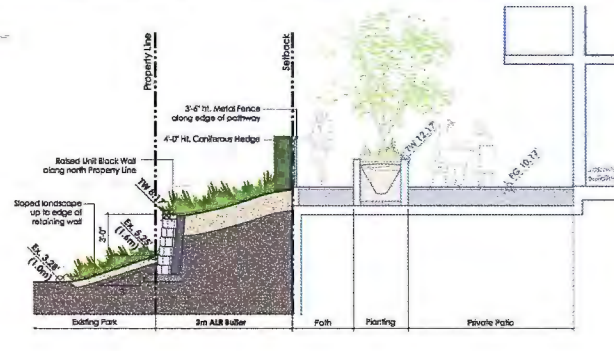




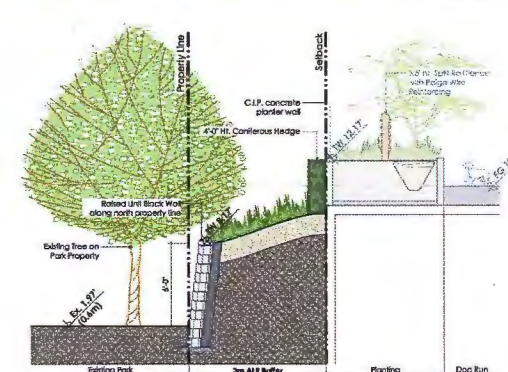
**Park Edge of Dahlia Building E - Section**  
Scale: 1/4"=1'-0"



**Park Edge of Connection to Pedestrian Mews**  
Scale: 1/4"=1'-0"

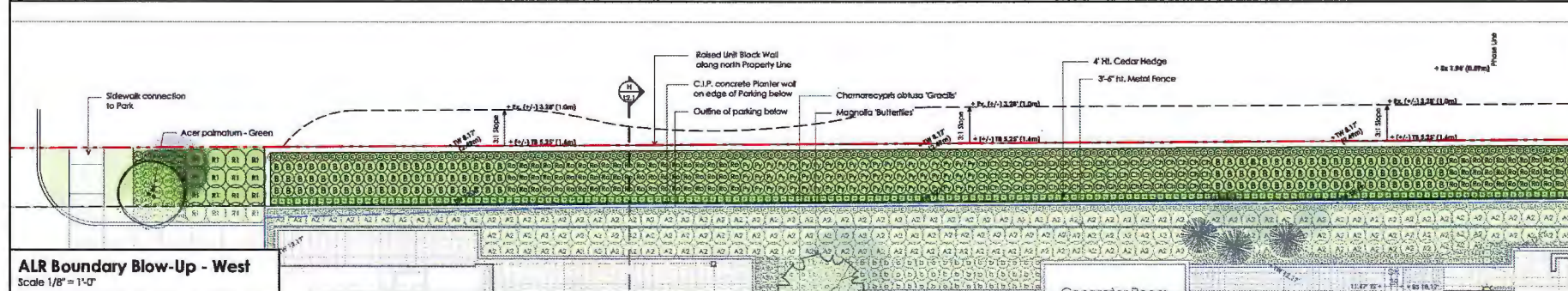


**Park Edge of Jasmine Building F - Section**  
Scale: 1/4"=1'-0"

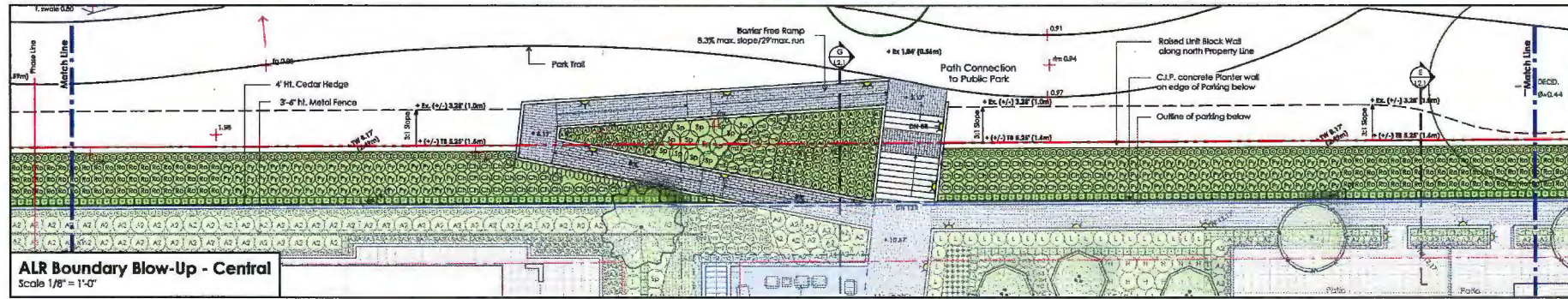


**Park Edge of Dog Run - Section**  
Scale: 1/4"=1'-0"

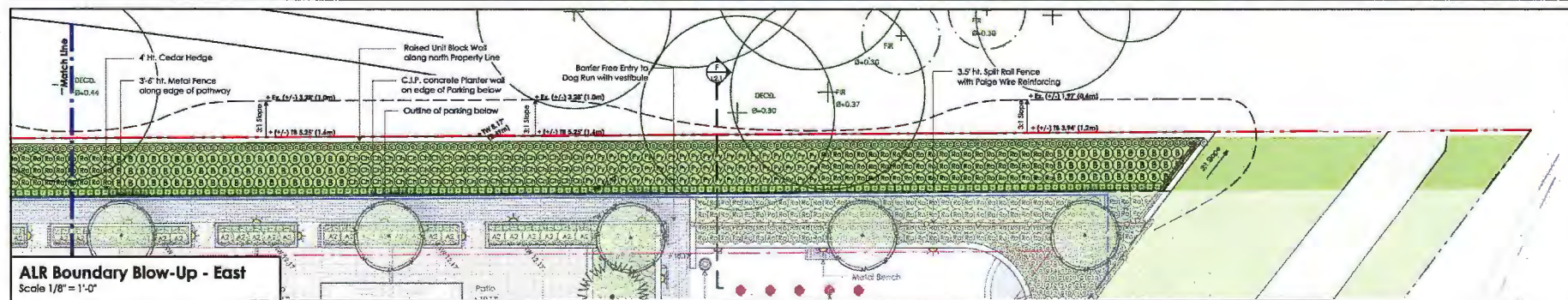
Sym	Qty	Botanical Name	Common Name	Size / Spacing / Comments
<b>Plant List - ARL Buffer Boundary</b>				
<b>Trees</b>				
1	1	Acacia palmatum - Green	Japanese Maple	5cm cal. 8x8
<b>Shrubs / Groundcovers</b>				
A1	155	Azalea 'Nikko'	Dwarf Azalea	#3 pot
C	505	Coloreader damaski	Coloreader	#1 pot
I	20	Ilex sempervirens 'Snowflake'	Evergreen Candytuft	#2 pot
m2	25	Miscanthus 'Little Litten'	Dwarf Maiden Grass	#3 pot
m1	15	Miscanthus 'Morning Light'	Maiden Grass	#3 pot
R1	12	Rhododendron - 4' Ht.	Rhododendron	4' Ht., partial culture with LA
Sp	15	Salix purpurea 'Mona'	Dwarf Arctic Willow	#3 pot
<b>Coniferous Planting</b>				
445	445	Thuja occidentalis 'Smaragd'	Cedar Hedge	4' Ht. 8x8
<b>Shrubs / Groundcovers</b>				
A1	155	Azalea 'Nikko'	Dwarf Azalea	#3 pot
C	505	Coloreader damaski	Coloreader	#1 pot
I	20	Ilex sempervirens 'Snowflake'	Evergreen Candytuft	#2 pot
m2	25	Miscanthus 'Little Litten'	Dwarf Maiden Grass	#3 pot
m1	15	Miscanthus 'Morning Light'	Maiden Grass	#3 pot
R1	12	Rhododendron - 4' Ht.	Rhododendron	4' Ht., partial culture with LA
Sp	15	Salix purpurea 'Mona'	Dwarf Arctic Willow	#3 pot



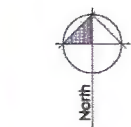
**ALR Boundary Blow-Up - West**  
Scale 1/8"=1'-0"



**ALR Boundary Blow-Up - Central**  
Scale 1/8"=1'-0"



**ALR Boundary Blow-Up - East**  
Scale 1/8"=1'-0"



CS Apr 13, 14 DPP  
C2 Apr 14, 14 ALR Buffer Boundary Review  
C1 Apr 14, 14 ALR Buffer Boundary Review  
no. 1 01000 10000  
Revised:  
Dunsmuir Park Ltd.  
100 - 1007 West 4th Avenue  
Vancouver BC V6J 1N5  
Tel: 604 684 4011  
Fax: 604 684 4077  
www.dp.ca

Project:  
**The Gardens**

Drawn by: DWH  
Checked by: JB  
Date: Nov 04, 2015  
Scale: As Shown  
Drawing Title:  
**ALR Buffer Boundary**

Project No.:  
**15051**  
Sheet No.:



**Excerpt from the Minutes from  
The Design Panel Meeting**

**Wednesday, December 17, 2015 – 4:00 p.m.  
Rm. M.1.003  
Richmond City Hall**

**3. DP 15-708397 – PROPOSAL FOR TWO (2) EIGHT-STOREY APARTMENT BUILDINGS WITH VARIANCES RELATED TO HEIGHT AND PROJECTION OF BALCONIES INTO SETBACKS, AND ONE (1) FOUR-STOREY APARTMENT BUILDING (THIRD AND FINAL DP FOR PHASED PROJECT)**

APPLICANT: Townline

PROPERTY LOCATION: 10780 No. 5 Road and 12733 Steveston Highway

**Applicant's Presentation**

Steve Jedreicich, Vice-President of Development, Townline Group of Companies, Patrick Cotter, ZGF Cotter Architects Inc., Joseph Lau, ZGF Cotter Architects Inc. and Jennifer Stamp, Durante Kreuk Ltd. Landscape Architecture, presented the project on behalf of the applicant and answered queries from the Panel.

**Panel Discussion**

*Comments from the Panel were as follows:*

- appreciate the walk-in closets and pocket doors in the suites; consider introducing more pocket doors in washrooms;
- *Pocket doors will be used where appropriate.*
- appreciate the presentation materials and packages provided by the applicant;

*Noted. Thank you.*

- like the design of the bigger buildings (i.e., Buildings E1 and E2); appreciate the idea of the datum line, the attention to pedestrian scale and artistic treatment of the entries;

*Noted. Thank you.*

- depth of the building step backs are sufficient; however, the top floor needs to be differentiated in terms of material and colour; consider using a darker colour for the top floor; also, the guardrail on the top floor should be de-emphasized, e.g., could be set back and remove the colour elements to visually reduce the height of the buildings;

*Due to the use of window wall, there is not actually that much opportunity to put colour on the wall. The shadow caused by the extensive overhang over the penthouse floor will create enough of a darkening effect as to make the top volume visually recede.*

*Keeping colour on the handrail makes it read as part of the plane of the window wall volume below, improving the separation from the penthouse window wall surface beyond.*

*The wood finish of the soffit at the penthouse level will also have visual impact that will help to differentiate this most upper floor from the pedestrian level.*

- appreciate the wood soffit;

*Noted. Thank you.*

- consider one colour for the balcony guardrail as opposed to the proposed black and white coloured aluminum rail to simplify its design;

*Building F design has been revised to become simpler in terms of both colour and materials.*

- appreciate the amount of attention given to the project by the applicant;

*Noted. Thank you.*

- appreciate the presentation of the project and the explanation regarding its design rationale;

*Noted. Thank you.*

- agree with comments regarding the design of the bigger buildings; appreciate the interior spaces between the buildings;

*Noted. Thank you.*

- the bigger buildings are too different from the rest of the buildings in the development in terms of materiality; look at opportunities to connect these buildings with the smaller buildings in the development;

*The materials and colours of the buildings are taken straight from the existing palette of the site. Calla and Dahlia use brick, wood, metal panel, and coloured glass, which are all established materials of the existing buildings in the project.*

- appreciate the siting, massing, scale and articulation of the bigger buildings; also appreciate the combination of townhouse and upper apartment units;

*Noted. Thank you.*

- generally, a well-planned and highly refined project;

*Noted. Thank you.*

- design of the project is well done; appreciate the proposed public art but needs to be further developed;

*Noted. Thank you.*

- Phase 3 appears to be a separate project from Phases 1 and 2; however, appreciate the applicant's efforts to provide the context and design rationale for the subject phase; look at opportunities to strengthen the relationship between the bigger buildings and the smaller buildings in the development;

*See comment above. Lot of effort was made to match scale of adjacent projects as well. More effort has been put into improving the dialogue between Jasmine the rest of the site.*

- support the proposed project;

*Noted. Thank you.*

- appreciate the quality of the applicant's presentation;

*Noted. Thank you.*

- consider more pedestrian connections from the proposed development to the park in addition to the proposed pedestrian mews; investigate opportunities to increase porosity from Steveston Highway to the park;

*City of Richmond Planning Staff is to provide direction on connectivity between the development and the future park.*

- the courtyard between Buildings E1 and E2 should be either completely visually open or closed off to the park, but the current proposal is neither; small conifers will potentially obstruct views to the park;

*The courtyard garden has been designed as an enclosed space. The trellised dining area and water feature at the north are to provide a central focus to the garden. The tree species indicated are smaller growing species appropriate for installing over a suspended slab.*

- consider more variety in plant species in the summer garden to encourage more pedestrian circulation in the area;

*There are a number of species in the summer garden – both ornamental grasses, shrubs and groundcovers.*

- consider increasing the width of the pedestrian mews, from 8 feet to 10-15 feet for a grander and more celebratory connection to the park;

*The width of the pedestrian mews has been increased to 10' wide. The lawn area along the west side of the mew has also been increased in width. Four benches have been added along the length of the mews to provide more seating opportunities.*

- consider introducing covered areas for pet owners on the dog run, e.g. tree shades and/or structures, where people could socialize;

*A covered trellis has been added to the dog run area. Also added are a dog waste station (bags and waste bin) and drinking station.*

- maximize planting in the riparian area to provide a stronger visual separation between the subject development and Highway 99;

*The Qualified Environmental Professional report outlines planting in this area and is subject to City approval.*

- the project is well refined; applicant has put a lot of effort into the project;

*Noted. Thank you.*

- consider incorporating something whimsical in the semi-private courtyard between Buildings E1 and E2 to loosen its linear landscaping;

*The curvilinear step stone path and the summer garden are meant to reflect the fluid nature of the Fraser River and break up the linear layout (meant to reflect the agricultural history of Richmond). We feel the earthy nature of the path through the flowery plantings is whimsical.*

- the proposed pedestrian mews is a subtle and nice way of connecting to the park; however, agree with comments to increase its width; also consider increasing the size of the stairs and adding a vertical element (e.g., public art) to provide visual interest and draw people from Steveston Highway to the park;

*The width of the mews and stairs at the north end have been increased to 10' wide. A trellis area adjacent the stairs brings a vertical architectural form to the northern terminus of the mews.*

- agree with comments that it is challenging to review two "different" projects at the same time; investigate overlook issues at the west and east sides of the buildings;

*Noted. Thank you.*

- appreciate the proposed dog run; however, consider further design development, e.g. introduce seating and double gates for more effective dog handling and control;

*Seating and double gates at both entries to the dog run have been introduced. □*

- street edges are well refined;

*Noted. Thank you.*

- review the long and homogeneous run of plant material along the north property line to provide a smoother flow and transition to the park;

*The planting along the north property line has been further refined to provide more visual interest and variety in plant material.*

- great presentation and well resolved project.

**Panel Decision**

It was moved and seconded

*That DP 15-708397 be supported to move forward to the Development Permit Panel subject to the applicant giving consideration to the comments of the Panel.*

**CARRIED**



# City of Richmond

## Development Permit

**No. DP 15-708397**

To the Holder: JOSEPH LAU, ZGF COTTER ARCHITECTS

Property Address: 10780 NO 5 ROAD AND 12733 STEVESTON HIGHWAY

Address: 901 – 838 W. HASTINGS STREET  
VANCOUVER, BC V6C 0A6

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1. This Development Permit is issued subject to compliance with all of the Bylaws of the City applicable thereto, except as specifically varied or supplemented by this Permit.
2. This Development Permit applies to and only to those lands shown cross-hatched on the attached Schedule "A" and any and all buildings, structures and other development thereon.
3. The "Richmond Zoning Bylaw 8500" is hereby varied to:
  - (a) Increase the maximum height over a parkade structure from six (6) storeys and 25.0 m, to eight (8) storeys and 26.9 m; and
  - (b) Allow the projection of unenclosed balconies to a maximum of 1.8 m into a side yard setback abutting the Agricultural Land Reserve.
4. Subject to Section 692 of the Local Government Act, R.S.B.C.: buildings and structures; off-street parking and loading facilities; roads and parking areas; and landscaping and screening shall be constructed generally in accordance with Plans 1 to 35 attached hereto.
5. Sanitary sewers, water, drainage, highways, street lighting, underground wiring, and sidewalks, shall be provided as required.
6. As a condition of the issuance of this Permit, the City is holding the security in the amount of \$860,667.94 to ensure that development is carried out in accordance with the terms and conditions of this Permit. Should any interest be earned upon the security, it shall accrue to the Holder if the security is returned. The condition of the posting of the security is that should the Holder fail to carry out the development hereby authorized, according to the terms and conditions of this Permit within the time provided, the City may use the security to carry out the work by its servants, agents or contractors, and any surplus shall be paid over to the Holder. Should the Holder carry out the development permitted by this permit within the time set out herein, the security shall be returned to the Holder. The City may retain the security for up to one year after inspection of the completed landscaping in order to ensure that plant material has survived.
7. If the Holder does not commence the construction permitted by this Permit within 24 months of the date of this Permit, this Permit shall lapse and the security shall be returned in full.



**Development Permit**  
**No. DP 15-708397**

To the Holder: JOSEPH LAU, ZGF COTTER ARCHITECTS  
Property Address: 10780 NO 5 ROAD AND 12733 STEVESTON HIGHWAY  
Address: 901 – 838 W. HASTINGS STREET  
VANCOUVER, BC V6C 0A6

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8. The land described herein shall be developed generally in accordance with the terms and conditions and provisions of this Permit and any plans and specifications attached to this Permit which shall form a part hereof.

This Permit is not a Building Permit.

AUTHORIZING RESOLUTION NO.  
DAY OF , .

ISSUED BY THE COUNCIL THE

DELIVERED THIS DAY OF , .

---

MAYOR





PROJECT INFORMATION

CIVIC ADDRESS  
10780 - 10788 NO. 5 ROAD & 12733 STEVESTON HWY, RICHMOND, B.C.

LEGAL ADDRESS  
LOT D SEC 31 BLK4N RGSW PL EPP12978 &  
LOT E SEC 31 BLK4N RGSW PL EPP12978

APPLICANT  
TOWNLINE GARDENS INC (0864227 BC LTD)

EXISTING ZONING  
ZAS 2M1/15

PROPOSED ZONING  
N/A

PROJECT TEAM

OWNERS:  
TOWNLINE GARDENS INC (0864227 BC LTD)  
#120 - 13575 COMMERCE PARKWAY,  
RICHMOND, BC V6V 2L1  
CONTACT: STEVE JEDREICH  
T. (604) 276-8823 EXT. 228 F. (604) 270-0854 E. steve.jedreich@townline.ca

ARCHITECT:  
ZGF COTTER ARCHITECTS INC.  
SUITE 801 - 838 WEST HASTINGS STREET  
VANCOUVER, BC V6C 0A8  
CONTACT: JOSEPH LAU  
T. (604) 599-8350 E. joseph.lau@zgf.com

LANDSCAPE ARCHITECT:  
DURANTE KREUK LTD.  
102 - 1637 WEST 5TH AVENUE,  
VANCOUVER, BC V6J 1N5  
CONTACT: JENNIFER STAMP  
T. (604) 684-4611 EXT. 29 F. (604) 684-0577 E. jennifer@dkl.bc.ca

DRAWING LIST

ARCHITECTURAL

- A-001 COVER PAGE
- A-002 DEVELOPMENT SUMMARY
- A-003 DESIGN RATIONALE
- A-004 SUSTAINABILITY CHECKLIST
- A-101 CONTEXT PLAN
- A-102 SHADOW STUDIES
- A-201 PHASE 3 PARKING PLAN
- A-202 PHASE 3 SITE PLAN
- A-211 BUILDING E1: DAHLIA - LEVEL 1 TO 2 FLOOR PLANS
- A-212 BUILDING E1: DAHLIA - LEVEL 3 TO 7 FLOOR PLANS
- A-213 BUILDING E1: DAHLIA - LEVEL 8 FLOOR PLAN
- A-214 BUILDING E2: CALLA - LEVEL 1 TO 2 FLOOR PLANS
- A-215 BUILDING E2: CALLA - LEVEL 3 TO 7 FLOOR PLANS
- A-216 BUILDING E2: CALLA - LEVEL 8 FLOOR PLAN
- A-217 BUILDING F: JASMINE - LEVEL 1 FLOOR PLAN
- A-218 BUILDING F: JASMINE - LEVEL 2 FLOOR PLAN
- A-219 BUILDING F: JASMINE - LEVEL 3 FLOOR PLAN
- A-220 BUILDING F: JASMINE - LEVEL 4 FLOOR PLAN

- A-301 PERSPECTIVE RENDERINGS
- A-302 PERSPECTIVE RENDERINGS
- A-303 PERSPECTIVE RENDERINGS
- A-311 BUILDING E1: DAHLIA - WEST & EAST ELEVATIONS
- A-312 BUILDING E1: DAHLIA - NORTH & SOUTH ELEVATIONS
- A-313 BUILDING E2: CALLA - WEST & EAST ELEVATIONS
- A-314 BUILDING E2: CALLA - NORTH & SOUTH ELEVATIONS
- A-315 BUILDING F: JASMINE - ELEVATIONS
- A-401 SITE ELEVATIONS & SECTIONS
- A-402 SITE ELEVATIONS & SECTIONS

DP 15-708 367<sup>9</sup> HC  
APR 29 2016 PLAN #31

LOCATION MAP



ISSUED FOR: DEVELOPMENT PERMIT PANEL REVIEW

PROJECT NUMBER: 15-11  
ISSUED DATE: 2016/04/15

ZGF  
COTTER  
905-458-1177  
100-100-1177  
100-100-1177  
100-100-1177



THE GARDENS: PHASE 3   10780 - 10788 NO. 5 ROAD & 12733 STEVESTON HWY, RICHMOND B.C.									
EXISTING ZONING:				PROPOSED ZONING:					
SITE AREA:									
PARCEL D & E									
PARCEL D				96,756.06 m²					
PARCEL E				85,174.82 m²					
				NET SITE AREA					
				181,930.88 m²					
SITE COVERAGE				Proposed					
Max 0.50				48,390 m²					
SETBACKS				Proposed					
				4,456 m²					

PHASE 3 FAR SUMMARY									
FAR PHASE 3 TOTALS									
		GROSS FLOOR AREA		MARKET RESIDENTIAL		TOWN HOMES		AFFORDABLE HOUSING	
		imperial metric		imperial metric		imperial metric		imperial metric	
3	E1: Dahlia	117,902 m <sup>2</sup>	10,953 m <sup>2</sup>	95,036 m <sup>2</sup>	8,829 m <sup>2</sup>	7,719 m <sup>2</sup>	717 m <sup>2</sup>	10,203 m <sup>2</sup>	948 m <sup>2</sup>
3	E2: Calla	119,002 m <sup>2</sup>	11,056 m <sup>2</sup>	100,018 m <sup>2</sup>	9,282 m <sup>2</sup>	4,188 m <sup>2</sup>	369 m <sup>2</sup>	9,920 m <sup>2</sup>	922 m <sup>2</sup>
3	F: Jasmine	56,106 m <sup>2</sup>	5,212 m <sup>2</sup>	34,169 m <sup>2</sup>	3,174 m <sup>2</sup>	11,971 m <sup>2</sup>	1,112 m <sup>2</sup>	2,892 m <sup>2</sup>	269 m <sup>2</sup>
TOTAL		293,010 m <sup>2</sup>	27,222 m <sup>2</sup>	229,224 m <sup>2</sup>	21,285 m <sup>2</sup>	14,798 m <sup>2</sup>	1,378 m <sup>2</sup>	25,963 m <sup>2</sup>	2,378 m <sup>2</sup>
FAR PHASE 3 EXCEPTABLES									
AFFORDABLE HOUSING		REQUIRED		5%		of Total Residential FAR for Phase 3		PROVIDED	
		14,078 m <sup>2</sup>		1,308 m <sup>2</sup>		14,348 m <sup>2</sup>		1,324 m <sup>2</sup>	
								5.08%	
								of Total FAR for Phase 3	
								Difference	
								170 m <sup>2</sup>	

PHASE 3 FAR BREAKDOWN									
FAR PARCEL D PHASE 3 BUILDING E1: DAHLIA - 8-STOREY MULTI-FAMILY									
		GROSS FLOOR AREA		MARKET RESIDENTIAL		TOWN HOMES		AFFORDABLE HOUSING	
		imperial metric		imperial metric		imperial metric		imperial metric	
P1	L1/F1	15,936 m <sup>2</sup>	1,461 m <sup>2</sup>	10,877 m <sup>2</sup>	992 m <sup>2</sup>	2,077 m <sup>2</sup>	193 m <sup>2</sup>	2,703 m <sup>2</sup>	251 m <sup>2</sup>
	L2/F2	16,017 m <sup>2</sup>	1,468 m <sup>2</sup>	10,915 m <sup>2</sup>	1,014 m <sup>2</sup>	2,837 m <sup>2</sup>	284 m <sup>2</sup>	1,105 m <sup>2</sup>	103 m <sup>2</sup>
	L3/F3	15,970 m <sup>2</sup>	1,484 m <sup>2</sup>	12,425 m <sup>2</sup>	1,154 m <sup>2</sup>	1,859 m <sup>2</sup>	178 m <sup>2</sup>	1,096 m <sup>2</sup>	102 m <sup>2</sup>
	L4/F4	15,970 m <sup>2</sup>	1,484 m <sup>2</sup>	13,418 m <sup>2</sup>	1,247 m <sup>2</sup>	905 m <sup>2</sup>	84 m <sup>2</sup>	1,096 m <sup>2</sup>	102 m <sup>2</sup>
	L5/F5	13,919 m <sup>2</sup>	1,293 m <sup>2</sup>	12,314 m <sup>2</sup>	1,144 m <sup>2</sup>	1,058 m <sup>2</sup>	98 m <sup>2</sup>	1,058 m <sup>2</sup>	98 m <sup>2</sup>
	L6/F6	13,919 m <sup>2</sup>	1,293 m <sup>2</sup>	12,314 m <sup>2</sup>	1,144 m <sup>2</sup>	1,058 m <sup>2</sup>	98 m <sup>2</sup>	1,058 m <sup>2</sup>	98 m <sup>2</sup>
	L7/F7	13,919 m <sup>2</sup>	1,293 m <sup>2</sup>	12,314 m <sup>2</sup>	1,144 m <sup>2</sup>	1,058 m <sup>2</sup>	98 m <sup>2</sup>	1,058 m <sup>2</sup>	98 m <sup>2</sup>
	L8/F8	12,282 m <sup>2</sup>	1,138 m <sup>2</sup>	10,669 m <sup>2</sup>	980 m <sup>2</sup>	1,029 m <sup>2</sup>	98 m <sup>2</sup>	1,029 m <sup>2</sup>	98 m <sup>2</sup>
	ROOF								
TOTAL		117,902 m <sup>2</sup>	10,953 m <sup>2</sup>	95,036 m <sup>2</sup>	8,829 m <sup>2</sup>	7,719 m <sup>2</sup>	717 m <sup>2</sup>	10,203 m <sup>2</sup>	948 m <sup>2</sup>
FAR PARCEL D PHASE 3 BUILDING E2: CALLA - 8-STOREY MULTI-FAMILY									
		GROSS FLOOR AREA		MARKET RESIDENTIAL		TOWN HOMES		AFFORDABLE HOUSING	
		imperial metric		imperial metric		imperial metric		imperial metric	
P1	L1/F1	15,927 m <sup>2</sup>	1,480 m <sup>2</sup>	11,773 m <sup>2</sup>	1,094 m <sup>2</sup>	1,047 m <sup>2</sup>	97 m <sup>2</sup>	2,635 m <sup>2</sup>	245 m <sup>2</sup>
	L2/F2	15,990 m <sup>2</sup>	1,486 m <sup>2</sup>	12,606 m <sup>2</sup>	1,180 m <sup>2</sup>	1,047 m <sup>2</sup>	97 m <sup>2</sup>	1,083 m <sup>2</sup>	101 m <sup>2</sup>
	L3/F3	15,942 m <sup>2</sup>	1,401 m <sup>2</sup>	13,270 m <sup>2</sup>	1,233 m <sup>2</sup>	1,047 m <sup>2</sup>	97 m <sup>2</sup>	1,074 m <sup>2</sup>	100 m <sup>2</sup>
	L4/F4	15,942 m <sup>2</sup>	1,481 m <sup>2</sup>	13,270 m <sup>2</sup>	1,233 m <sup>2</sup>	1,047 m <sup>2</sup>	97 m <sup>2</sup>	1,074 m <sup>2</sup>	100 m <sup>2</sup>
	L5/F5	14,291 m <sup>2</sup>	1,326 m <sup>2</sup>	12,729 m <sup>2</sup>	1,183 m <sup>2</sup>	1,016 m <sup>2</sup>	95 m <sup>2</sup>	1,016 m <sup>2</sup>	95 m <sup>2</sup>
	L6/F6	14,291 m <sup>2</sup>	1,326 m <sup>2</sup>	12,729 m <sup>2</sup>	1,183 m <sup>2</sup>	1,016 m <sup>2</sup>	95 m <sup>2</sup>	1,016 m <sup>2</sup>	95 m <sup>2</sup>
	L7/F7	14,291 m <sup>2</sup>	1,326 m <sup>2</sup>	12,729 m <sup>2</sup>	1,183 m <sup>2</sup>	1,016 m <sup>2</sup>	95 m <sup>2</sup>	1,016 m <sup>2</sup>	95 m <sup>2</sup>
	L8/F8	12,328 m <sup>2</sup>	1,145 m <sup>2</sup>	10,816 m <sup>2</sup>	1,005 m <sup>2</sup>	1,000 m <sup>2</sup>	93 m <sup>2</sup>	1,000 m <sup>2</sup>	93 m <sup>2</sup>
	ROOF								
TOTAL		119,002 m <sup>2</sup>	11,056 m <sup>2</sup>	100,018 m <sup>2</sup>	9,282 m <sup>2</sup>	4,188 m <sup>2</sup>	369 m <sup>2</sup>	9,920 m <sup>2</sup>	922 m <sup>2</sup>
FAR PARCEL E PHASE 3 BUILDING F: JASMINE - 4-STOREY MULTI-FAMILY									
		GROSS FLOOR AREA		MARKET RESIDENTIAL		TOWN HOMES		AFFORDABLE HOUSING	
		imperial metric		imperial metric		imperial metric		imperial metric	
P1	L1/F1	10,483 m <sup>2</sup>	974 m <sup>2</sup>	2,811 m <sup>2</sup>	243 m <sup>2</sup>	6,328 m <sup>2</sup>	588 m <sup>2</sup>	1,189 m <sup>2</sup>	109 m <sup>2</sup>
	L2/F2	10,383 m <sup>2</sup>	1,022 m <sup>2</sup>	7,041 m <sup>2</sup>	654 m <sup>2</sup>	5,843 m <sup>2</sup>	524 m <sup>2</sup>	1,885 m <sup>2</sup>	175 m <sup>2</sup>
	L3/F3	10,383 m <sup>2</sup>	1,022 m <sup>2</sup>	13,562 m <sup>2</sup>	1,260 m <sup>2</sup>	1,007 m <sup>2</sup>	94 m <sup>2</sup>	1,397 m <sup>2</sup>	130 m <sup>2</sup>
	L4/F4	12,857 m <sup>2</sup>	1,194 m <sup>2</sup>	10,955 m <sup>2</sup>	1,018 m <sup>2</sup>	1,476 m <sup>2</sup>	137 m <sup>2</sup>	1,476 m <sup>2</sup>	137 m <sup>2</sup>
	ROOF								
TOTAL		56,106 m <sup>2</sup>	5,212 m <sup>2</sup>	34,169 m <sup>2</sup>	3,174 m <sup>2</sup>	11,971 m <sup>2</sup>	1,112 m <sup>2</sup>	2,892 m <sup>2</sup>	269 m <sup>2</sup>

PHASE 3 UNIT MIX AND SIZE SUMMARY									
		UNIT MIX		AVERAGE UNIT SIZE		EFFICIENCY			
		MARKET RESIDENTIAL		TOWN HOMES		AFFORDABLE HOUSING			
		imperial metric		imperial metric		imperial metric			
3	E1: Dahlia	132	123			9	773 m <sup>2</sup>	72 m <sup>2</sup>	97%
3	E2: Calla	132	128			4	781 m <sup>2</sup>	73 m <sup>2</sup>	88%
3	F: Jasmine	38	46	9	3	3	743 m <sup>2</sup>	69 m <sup>2</sup>	87%
TOTAL		222	297	9	16				

PARKING SUMMARY									
Phase Building		Type	Residential Units	Basic Parking Bylaw Ratio	PARKING SUMMARY		PARKING SUMMARY		
					Parking Ratio Requirement with 10% Site Specific Reduction	Site Specific Bylaw Requirement	Parking Provided		
3	E1	Dahlia	Affordable Housing Units	9	1.00 Stall/Unit	0.90 Stall/Unit	8 Stalls		
			Apartment Housing - Market Units	123	1.50 Stall/Unit	1.35 Stall/Unit	186 Stalls		
			SUB TOTAL	132		194 Stalls			
3	E2	Calla	Affordable Housing Units	4	1.00 Stall/Unit	0.90 Stall/Unit	4 Stalls		
			Apartment Housing - Market Units	128	1.50 Stall/Unit	1.35 Stall/Unit	173 Stalls		
			SUB TOTAL	132		177 Stalls			
3	F	Jasmine	Apartment Housing - Town Homes	9	1.50 Stall/Unit	1.35 Stall/Unit	12 Stalls		
			Affordable Housing Units	3	1.00 Stall/Unit	0.90 Stall/Unit	3 Stalls		
			Apartment Housing - Market Units	248	1.50 Stall/Unit	1.35 Stall/Unit	62 Stalls		
			SUB TOTAL	26		77 Stalls			
All	Resident Parking	Apartment Housing - Town Homes	8	1.50 Stall/Unit	1.35 Stall/Unit	13 Stalls	27 Stalls	at grade	
		Affordable Housing Units	16	1.00 Stall/Unit	0.90 Stall/Unit	14 Stalls	15 Stalls	at grade	
		Apartment Housing - Market Units	287	1.50 Stall/Unit	1.35 Stall/Unit	401 Stalls	3 Stalls	at grade	
							383 Stalls	parkade	
							386 Stalls	TOTAL MARKET	
							202	SMALL	
							9	HANICAP ACCESSIBLE	
							217	STANDARD	
							50.7%	STANDARD	
							2.1%	HANICAP ACCESSIBLE	
SUMMARY			Residential Units			City Required Parking	Parking Provided		
			TOTALS	322		Basic	428 Stalls	428 Stalls	
						Visitor	58 Stalls	Including 1 Accessible Stall at Grade/On Street	
								8 Accessible Stall at P/O/R Street	
								Provided in Phase 1 as per City Bylaw	



DP 15-708 367#<sup>9</sup>

APR 29 2016

PLAN #3



VIEW FROM NO. 5 ROAD LOOKING SOUTHEAST



VIEW ALONG ROAD B LOOKING EAST



VIEW FROM THE GARDEN PARK LOOKING SOUTH

## Design Rationale

### Site Context

This submission is for the third phase of the master planned Gardens development. The development is on the former Fantasy Gardens site and is part of the Ironwood neighborhood. The project is bound by a future public park to the north; an internal, east-west axial road and mixed use building with a large grocery store to the south; by Highway 99 to the east; and a mixed-use building with commercial space and rental residential to the west.

### Neighbourhood Vision

*"The Gardens project is a vibrant mixed-use development, master planned as an urban village characterized by ground oriented commercial uses, pedestrian oriented street plazas, and multiple family residential use."*

*"Special attention has been paid to the provision of a pedestrian oriented gathering spaces and related connections to the adjacent park, transit locations and community paths networks."*

*"The overall development is based on the creation of a compact, pedestrian friendly, "village" environment that builds on the site's context and history and contributes to the sustainability of the region."*

(quotes from The Gardens Phase 1 Design Rationale)

### Vibrant Urban Village

This project is designed to maintain the vibrancy of the urban village feel of the site as established by the existing condition. The main east-west corridor is animated with grade related commercial units, landscape and public art. To maintain this urban village frontage, the facades of Building E1 (Dahlia), E2 (Calla) and F (Jasmine) has been broken down in scale to create a compressed cityscape. The play on this southern face of the buildings is to maintain the animation of the street as created by the ground related commercial units into the façade of a residential building. By animating the residential face is to extend an invitation toward the east end of the street where the journey would find additional ground level commercial units, the entry to the public mews to the park at the north, and Building C at the east end of the site. The volumes and datums of Buildings E1 and E2 are reflections of the existing massing of the projects already built on site. The design of the buildings have carefully taken into consideration of the commercial massing that established by Buildings A, B and D.

### Adjacency to Park and Views

The view from the park, southward to the north façade of the project sees a compressed cityscape that creates interest and a more friendly scale for the park users. The breaking down of the mass creates the urban village concept instead of a large massive wall that divides the park with the public uses within the overall development. The buildings are also oriented toward the northern views of the park and the unobstructed views of the mountain afforded by the same park. The volumes of the buildings and the treatment of the gaps between the buildings further act as wayfinding devices to lead users of the site toward the views and park. A compressed space between buildings E1 and E2 hint at a semi-private courtyard, whereas the expanded space between buildings E2 and F guide users to the public mews that lead from the centre of the project to the park at the north.

### Compressed Scale

The sense of the urban village is reinforced with the use of a compressed cityscape that speaks to the main east-west interior street of the development as well as the view from the park. By taking the concept of the urban village literally, we create a compressed cityscape to connect the site along the east-west axis.

### Mixture of volumes to create varied experiences.

The varied volumes articulated on the buildings not only help to break down the massing of a single building, but help to further reinforce the variety one would find in an urban village and improve the fine grained, human experience of the pedestrian.

### Materiality

The buildings use a number of materials and colours to convey different scales. Each speaks to a different experience for the users of the urban village. The large dark frameworks outline the larger volumes of the compressed cityscape, but at the same time its brick textured finish speaks to the individual that stands adjacent its face. Wood textured finishes is utilized from the ground floor up to the soffit of the roof line to tie the building together and give connection from the top of the buildings to the ground level.

### Procession

Through the ground plane and markers on the building, key features lead visitors of the urban village through different paths on the site to interest points. The compressed cityscape façade leads the visitor to 2 punctuation points from the centre of the development. The first is the semi-private inner courtyard with the Building Es. In there, the visitor will find a further procession in the landscape that leads to the north park. The second is the public pedestrian mews, which also leads the visitor to the park to the north. The coordination of the landscape with the built form further reinforces the concept of the procession.

NOTES:

KEY PLAN



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9	SOVER	NO RESPONSE
10	SOVER	NO RESPONSE

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THE  
GARDENS

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

CLIENT

TOWNLINE

CONCEPT: 2014  
DESIGN: 2015  
CONSTRUCTION: 2016

OWNER	AL	SEAL
DESIGNER	AL	
SCALE		
JOB NO.	15-11	
DATE	2016-04-04	

SHEET TITLE:  
DESIGN RATIONALE

DRAWING NO.:  
A-003



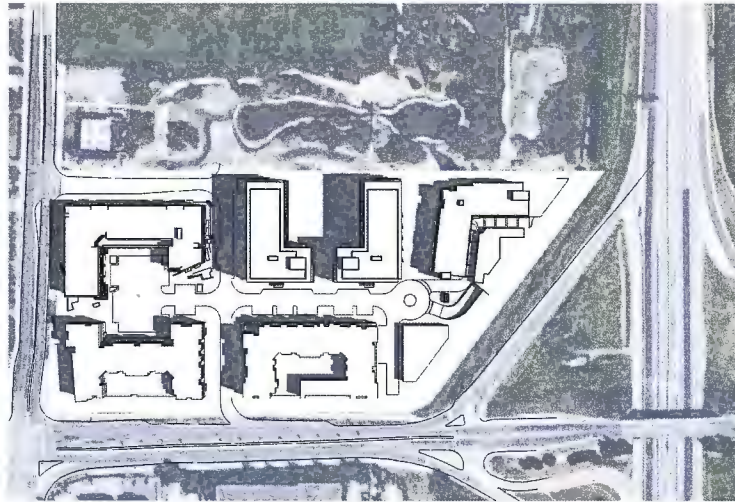




APR 29 2016 #5







JUNE 21 @ 9AM



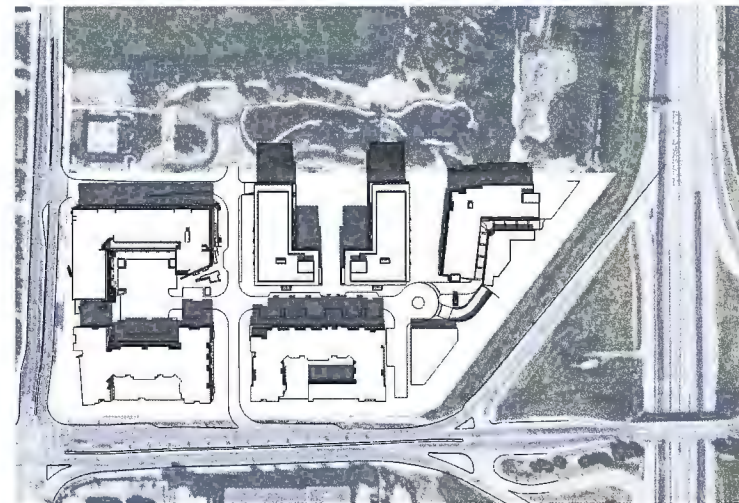
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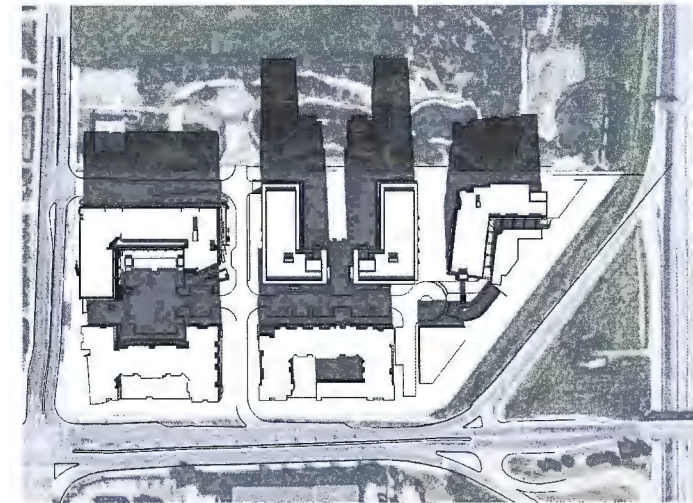
DECEMBER 21 @ 9AM



JUNE 21 @ NOON



MARCH/SEPTEMBER 21 @ NOON



DECEMBER 21 @ NOON



JUNE 21 @ 3PM



MARCH/SEPTEMBER 21 @ 3PM



DECEMBER 21 @ 3PM

NOT FOR  
CONSTRUCTION

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WWW.ZGFCOTTER.COM

**THE  
GARDENS**

THE GARDENS PHASE THREE  
BUILDING E: DAHLIA,  
BUILDING G: CALLA, &  
BUILDING F: JASMINE

**TOWNLINE**

CONCEPT DESIGN, LANDSCAPE ARCHITECTURE, AND ALL  
OTHER SERVICES PROVIDED FOR THE SITE  
PROJECTS IN THE GARDENS & WEST OF APPROXIMATE  
WILSON STREET WEST OF CONSTRUCTION

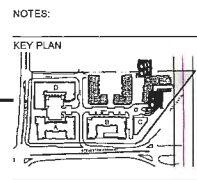
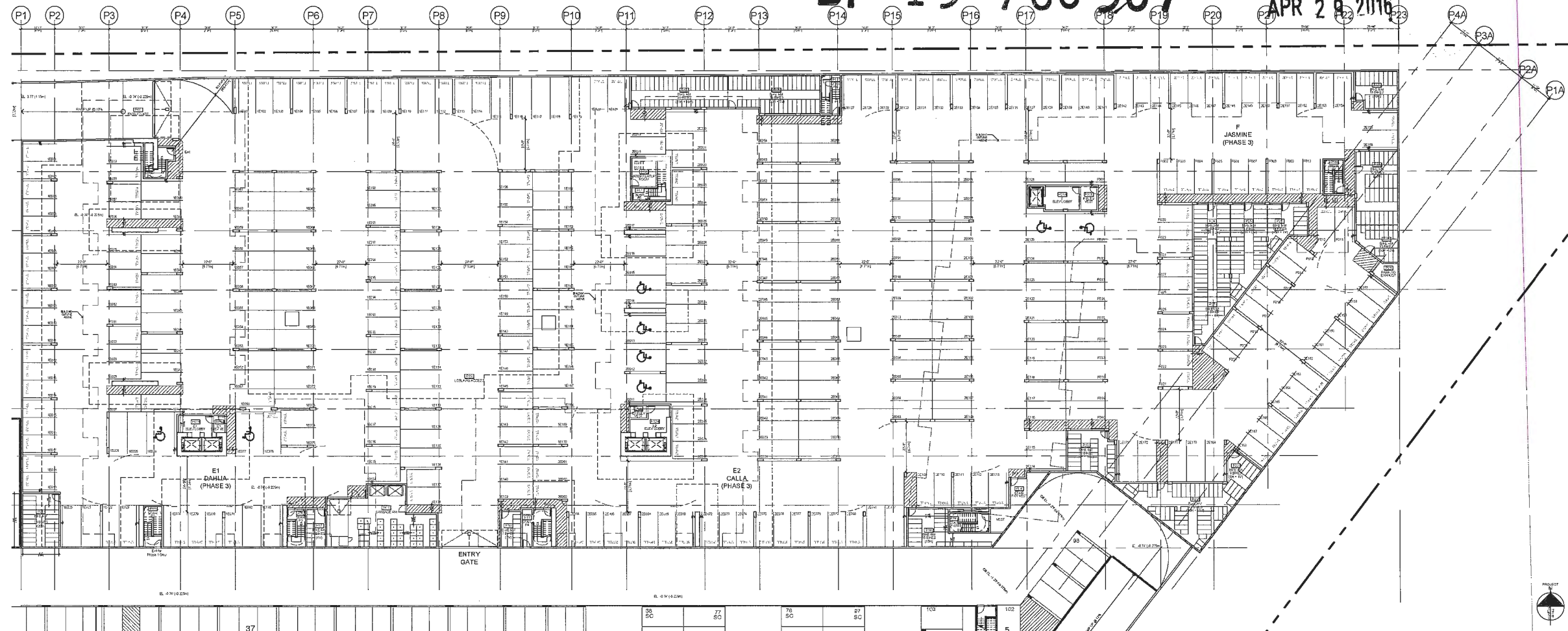
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DESIGNED	DATE
SCALE	DATE
JOB NO.	DATE
DATE	DATE

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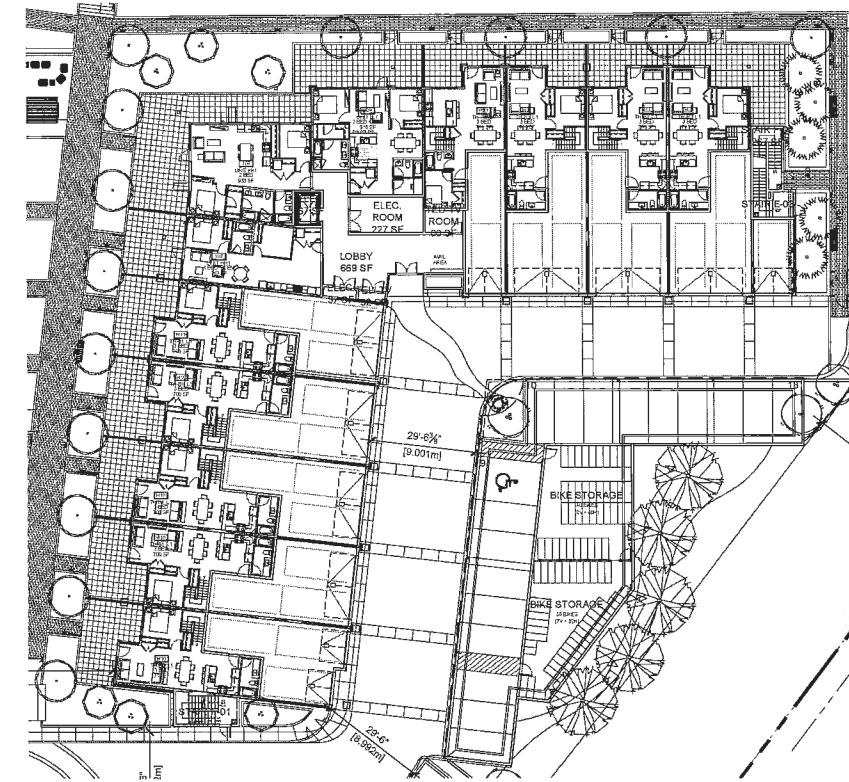


DP 15-708367 HC

APR 28 2016



1 PHASE 3  
P1 PARKING PLAN  
A-201  
1/8" = 1'-0"



NOT FOR CONSTRUCTION

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14	AS NOTED
15	AS NOTED

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WWW: www.zgf.com

**THE GARDENS**  
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

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NO.	DESCRIPTION
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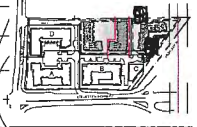
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GROUND FLOOR PARKING PLAN**  
A-201  
1/8" = 1'-0"

2 PHASE 3  
GROUND FLOOR PARKING PLAN  
A-201  
1/8" = 1'-0"

PcAn 8

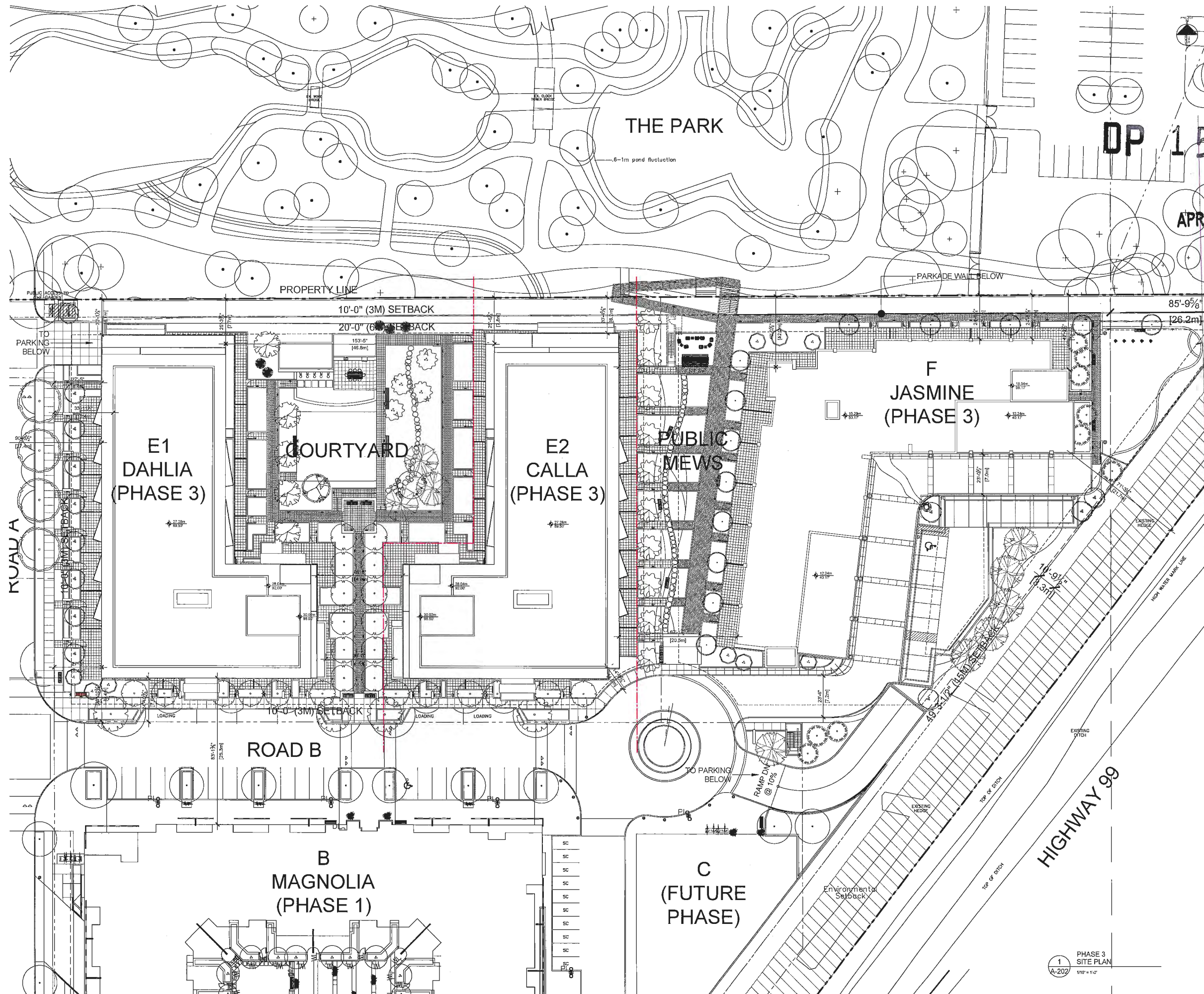
NOTES:

KEY PLAN



DP 15-708367 HC

APR 29 2016



NOT FOR CONSTRUCTION

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COTTER

901-835 West Hocking Street, Columbus, OH 43206  
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WEB: www.zgf.com

PROJECT:

THE  
GARDENS

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

CLIENT:

TOWNLINE

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DESIGNED BY	DATE
CHECKED BY	DATE
SCALE	DATE
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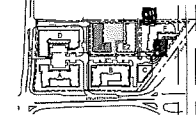
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A-202  
PHASE 3  
SITE PLAN  
1/16" = 1'-0"

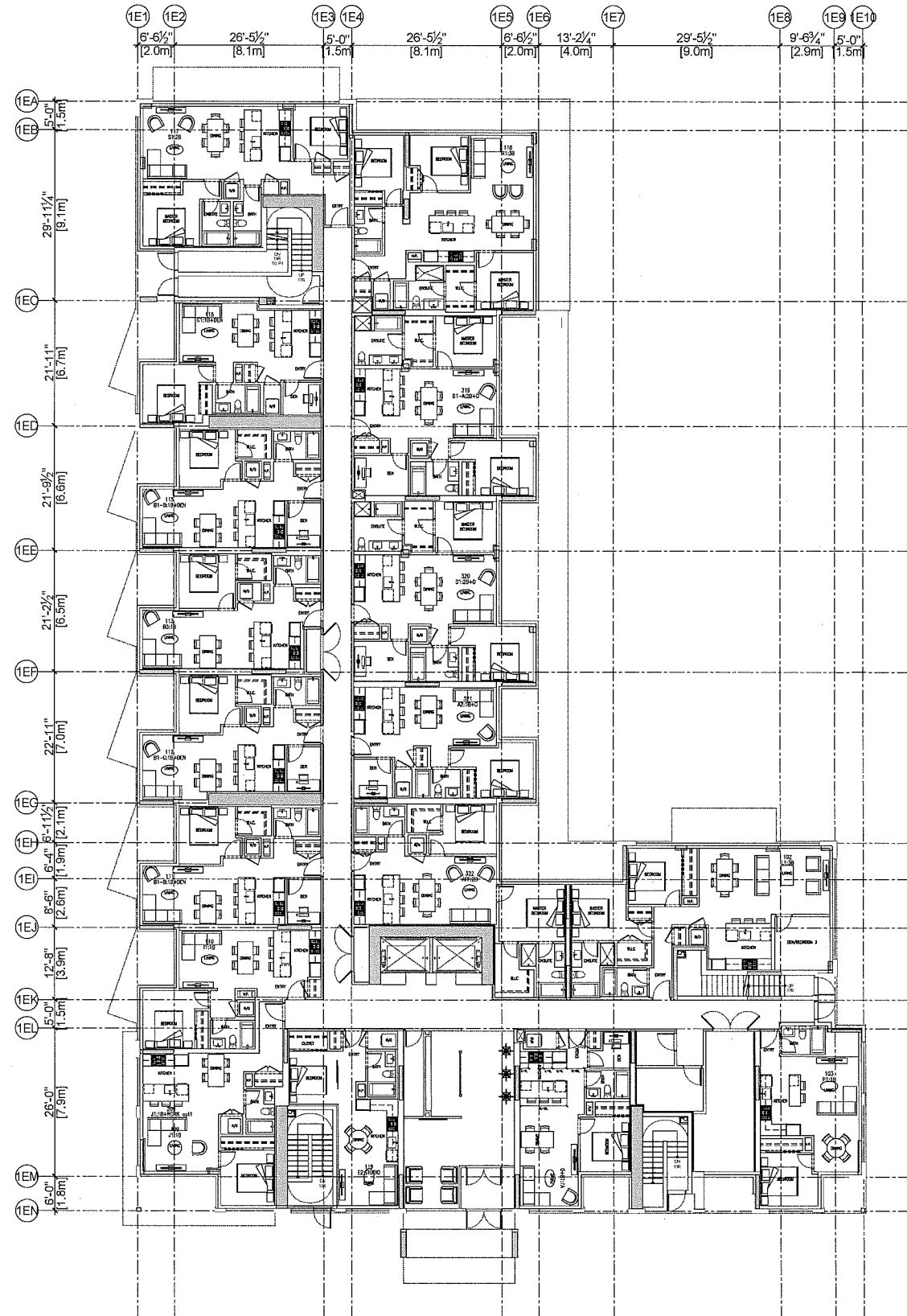




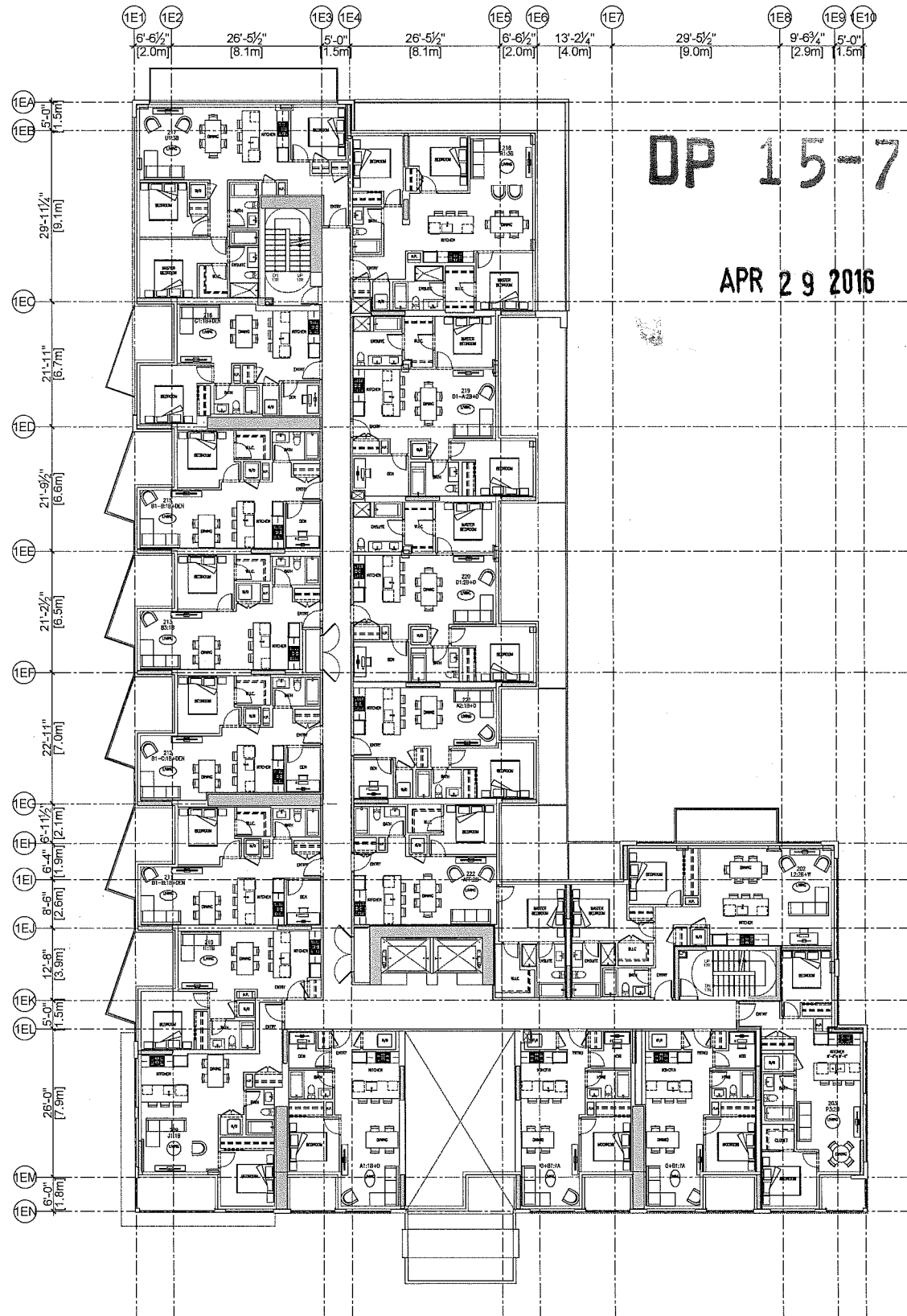
NOTES:  
KEY PLAN



PLAN 9



2 BUILDING E1: DAHLIA (PHASE 3)  
LEVEL 1 FLOOR PLAN  
1/8" = 1'-0"



1 BUILDING E1: DAHLIA (PHASE 3)  
LEVELS 2 FLOOR PLAN  
1/8" = 1'-0"

DP 15-708 367<sup>a</sup> HC

APR 29 2016

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THE GARDENS

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

TOWNLIN

OWNER	SEAL
DESIGNER	
SCALE	1/8" = 1'-0"
DATE	04/29/16
SHEET	01 OF 04

BUILDING E1: DAHLIA  
(PHASE 3)  
FLOOR PLAN  
LEVELS 1 TO 2

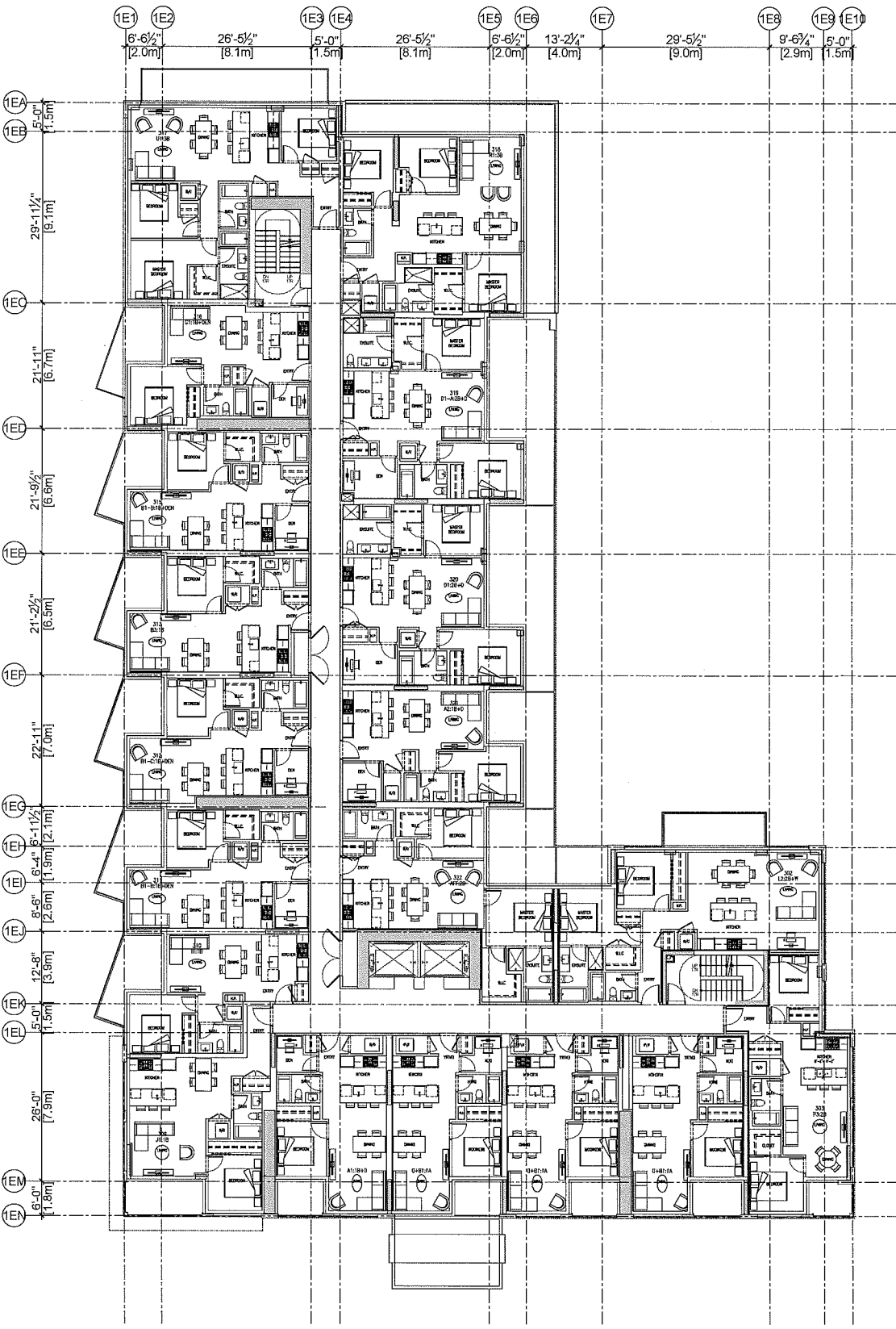
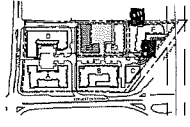
DP 15-708 367<sup>9</sup> HC

PLAN 10

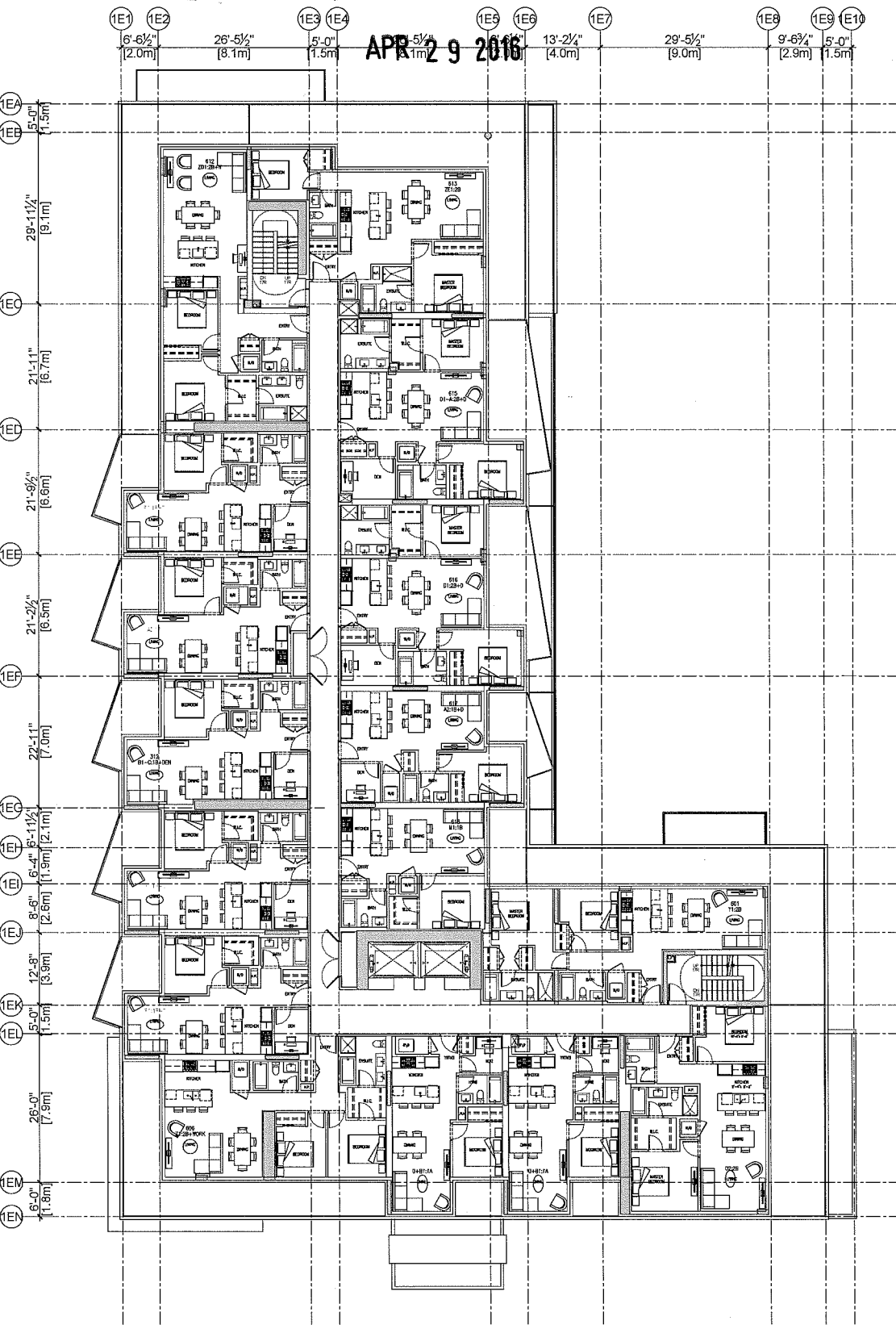
NOTES:



KEY PLAN



2 BUILDING E1: DAHLIA (PHASE 3)  
LEVEL 3 TO 4 FLOOR PLAN  
A-212 1/8" = 1'-0"



1 BUILDING E1: DAHLIA (PHASE 3)  
LEVEL 5 TO 7 FLOOR PLAN  
A-212 1/8" = 1'-0"

NOT FOR CONSTRUCTION

1	ISSUED FOR PERMIT REVIEW
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503-838-3350

**THE GARDENS**  
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CAMELLIA, &  
BUILDING F: JASMINE

**TOWNLINE**

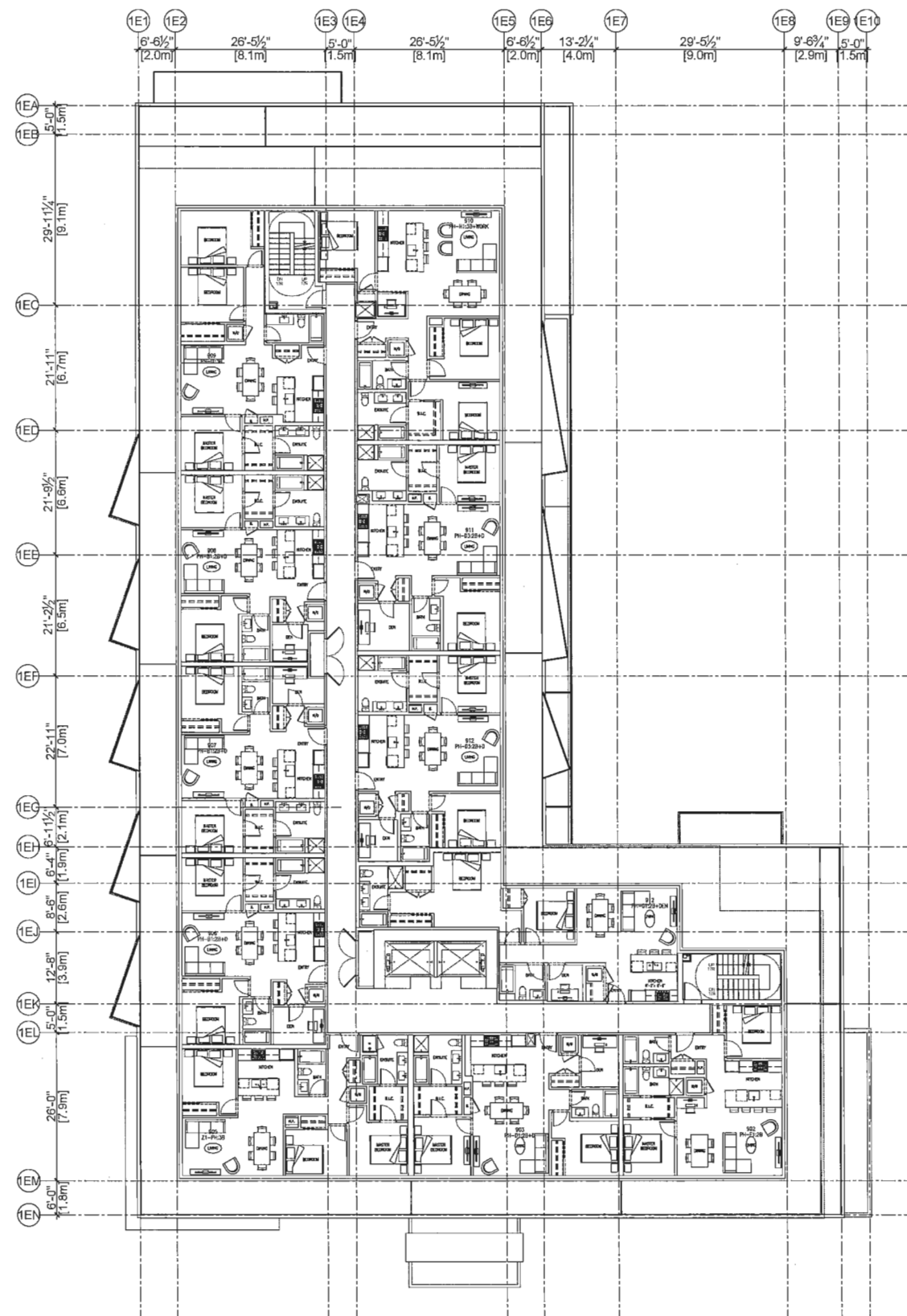
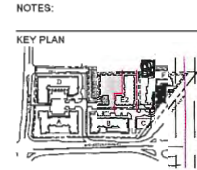
OWNER:	TEAL
DESIGNER:	AL
DATE:	10/1/17
JOB NO.:	1011
DATE:	10/1/17

SHEET TITLE:  
BUILDING E1: DAHLIA  
(PHASE 3)  
FLOOR PLAN  
LEVELS 3 TO 7

DP 15-708 367

APR 29 2016

PLAN 11



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CONSTRUCTION

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**THE  
GARDENS**  
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

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DESIGNED BY: ZGF COTTER  
CHECKED BY: A-213  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-11  
DATE: 01/15/2016

SHEET TITLE:  
BUILDING E1: DAHLIA  
(PHASE 3)  
FLOOR PLAN  
LEVEL 8

1  
A-213  
BUILDING E1: DAHLIA (PHASE 3)  
LEVEL 8 FLOOR PLAN  
1/8" = 1'-0"

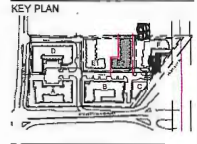
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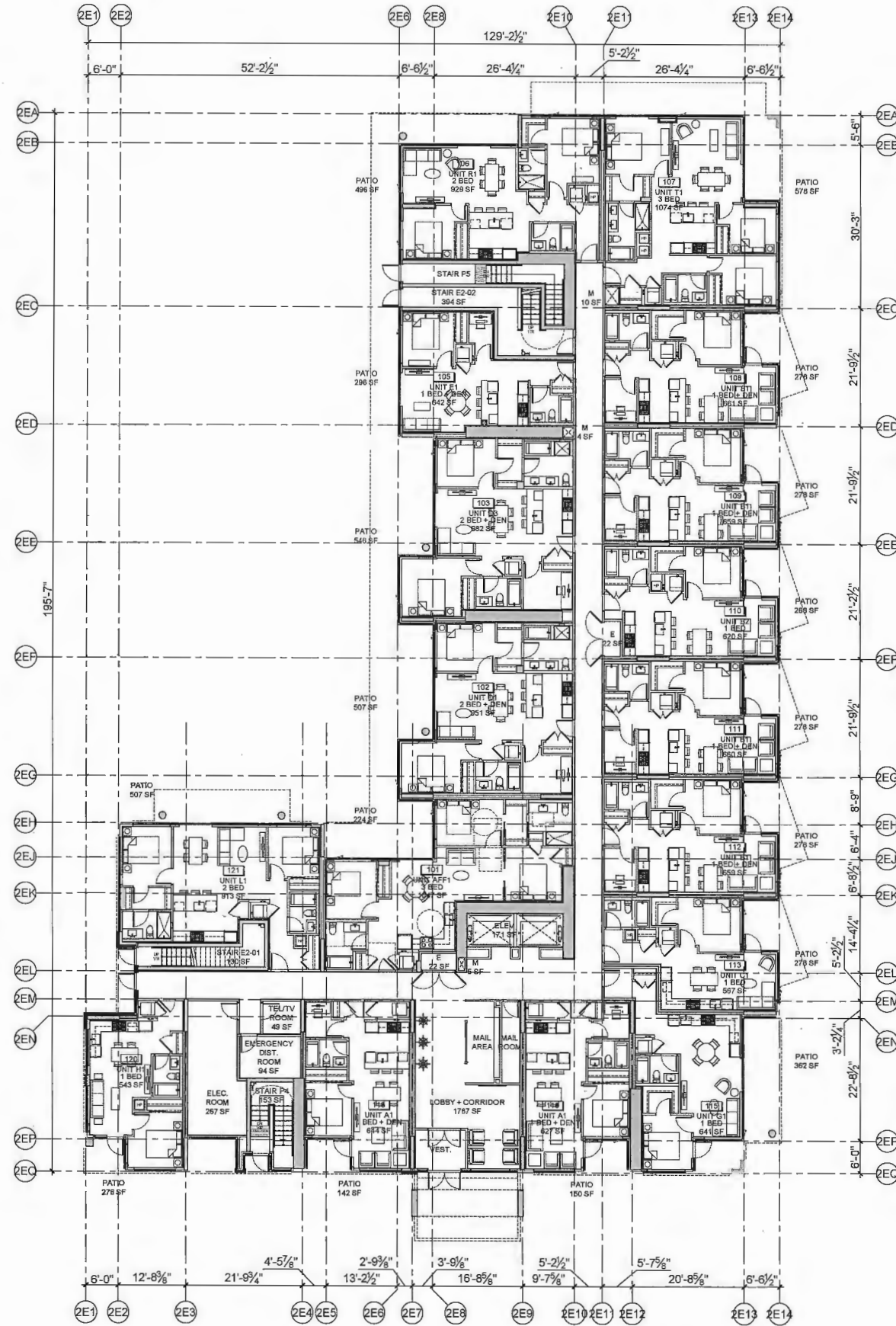
DP 15-708 367<sup>HC</sup>

APR 29 2016

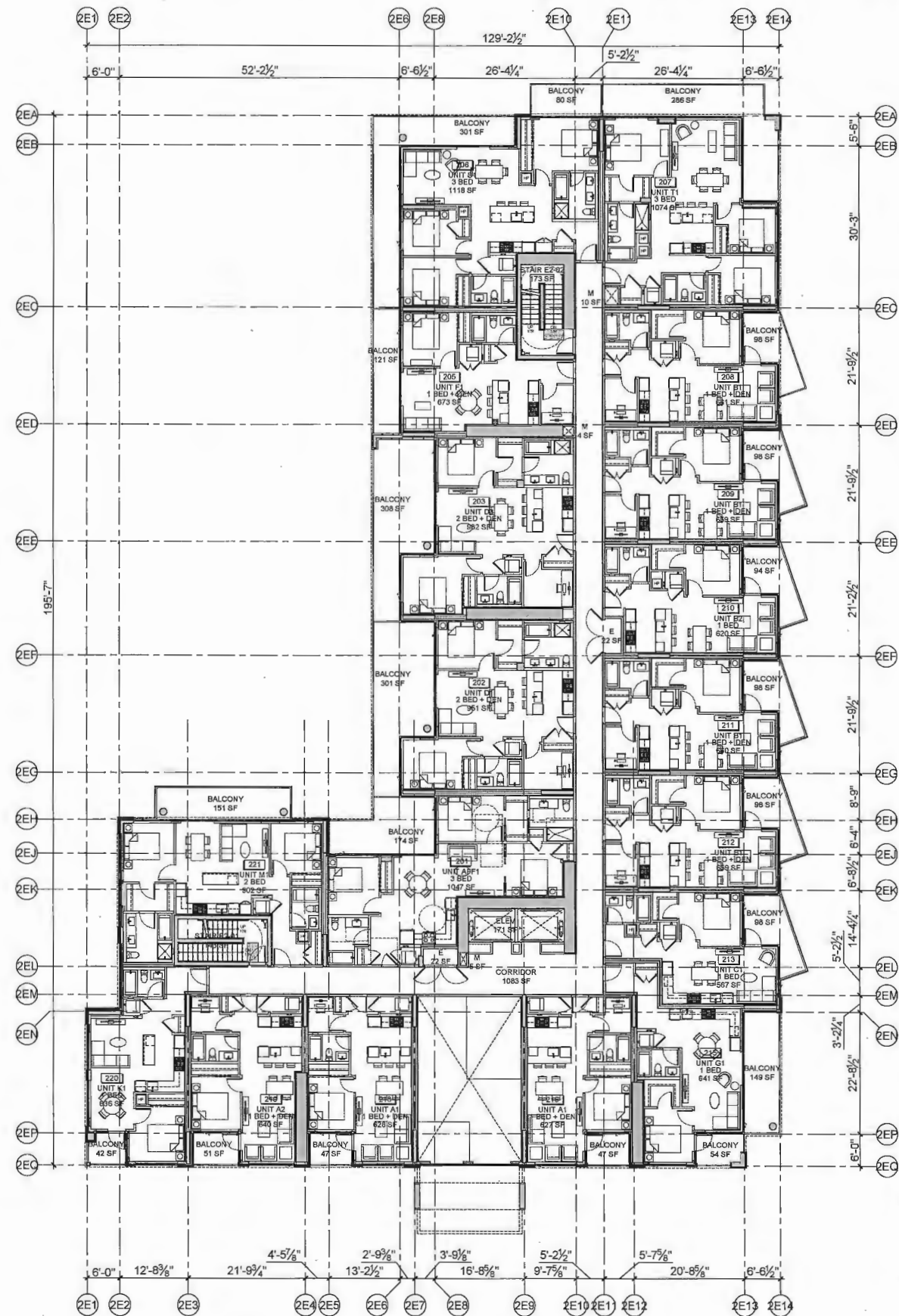
NOTES:



PLAN 12



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A-214  
BUILDING E2: CALLA (PHASE 3)  
LEVEL 1 FLOOR PLAN  
1/8" = 1'-0"



1  
A-214  
BUILDING E2: CALLA (PHASE 3)  
LEVEL 2 FLOOR PLAN  
1/8" = 1'-0"

NOT FOR  
CONSTRUCTION

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TEL: 604-272-1477 FAX: 604-272-1478 EMAIL: info@zgfco.com

**THE  
GARDENS**  
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

OWN:  
**TOWNLINE**

DATE: 04/29/16  
DRAWN: A  
CHECKED: A  
SCALE: 1/8" = 1'-0"  
SHEET NO: 12  
SHEET TOTAL: 12  
BUILDING E2: CALLA  
(PHASE 3)  
FLOOR PLAN  
LEVEL 1 & 2



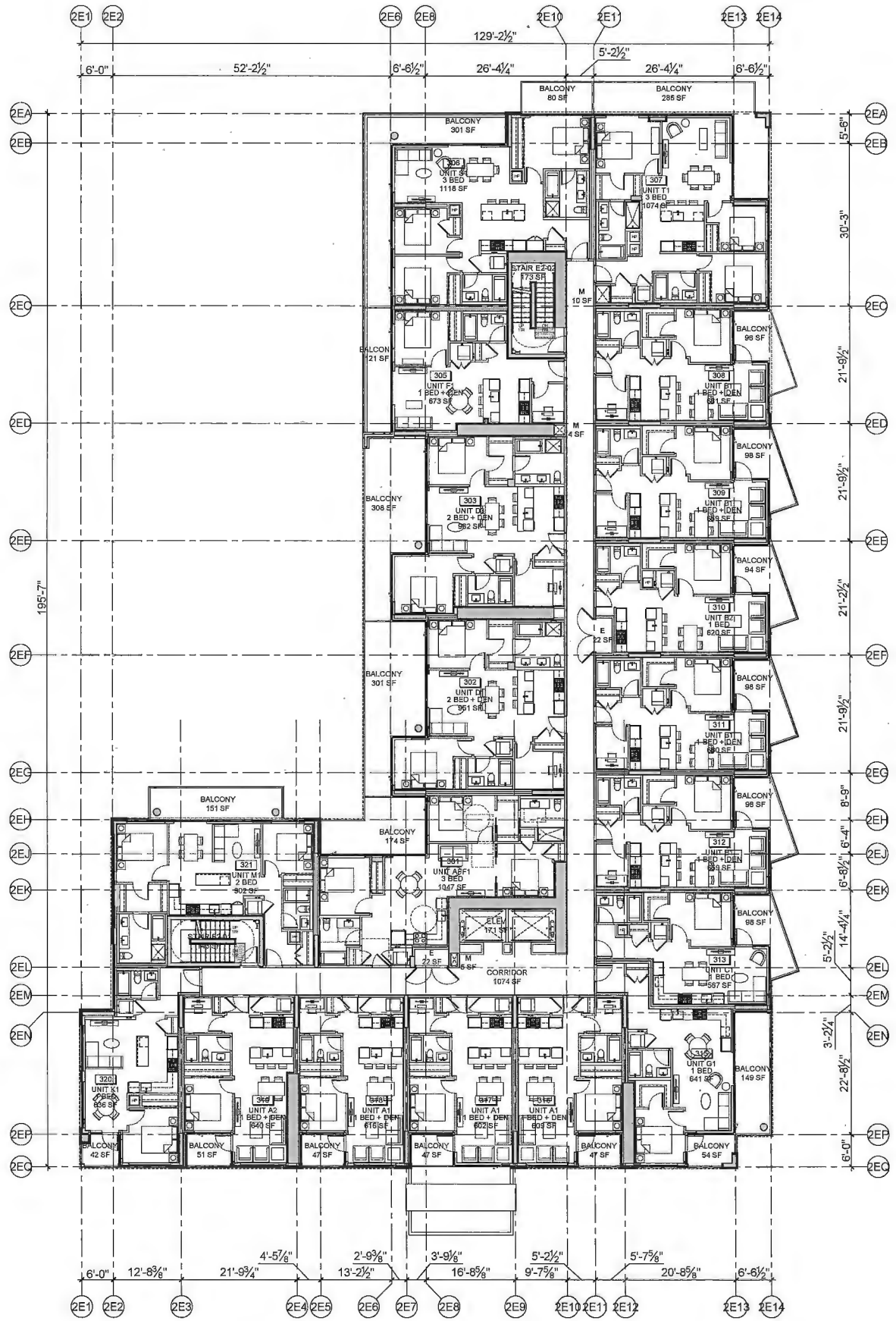
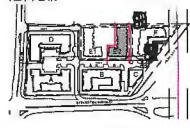
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APR 29 2016

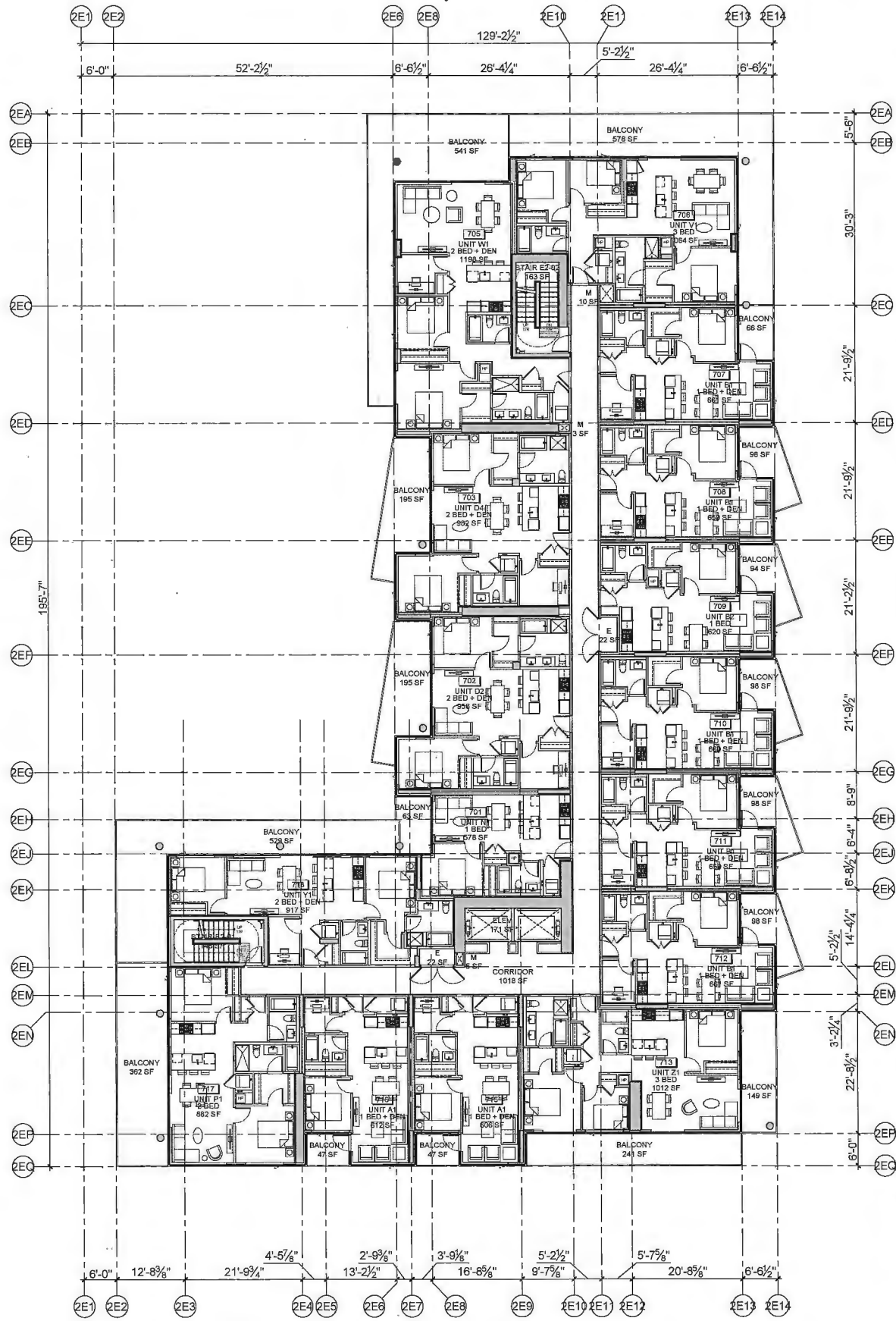
PLAN 13

NOTES:

KEY PLAN



2 BUILDING E2: CALLA (PHASE 3)  
LEVEL 3 TO 4 FLOOR PLAN  
1/8" = 1'-0"



1 BUILDING E2: CALLA (PHASE 3)  
LEVEL 5 TO 7 FLOOR PLAN  
1/8" = 1'-0"

NOT FOR  
CONSTRUCTION

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97	REVISION
98	REVISION
99	REVISION
100	REVISION

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WWW.ZGFCOTTER.COM

THE  
GARDENS

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

TOWNLIN

DATE: 04/29/2016  
DRAWN: JG  
CHECKED: JG  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-708  
SHEET: 13 OF 13

REVISIONS:  
1. 04/29/2016: REVISED PER COMMENTS FROM TOWNLINE

PROJECT: THE GARDENS PHASE THREE  
BUILDING E2: CALLA (PHASE 3)  
FLOOR PLAN  
LEVEL 3 TO 7

DATE: 04/29/2016  
DRAWN: JG  
CHECKED: JG  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-708  
SHEET: 13 OF 13

REVISIONS:  
1. 04/29/2016: REVISED PER COMMENTS FROM TOWNLINE

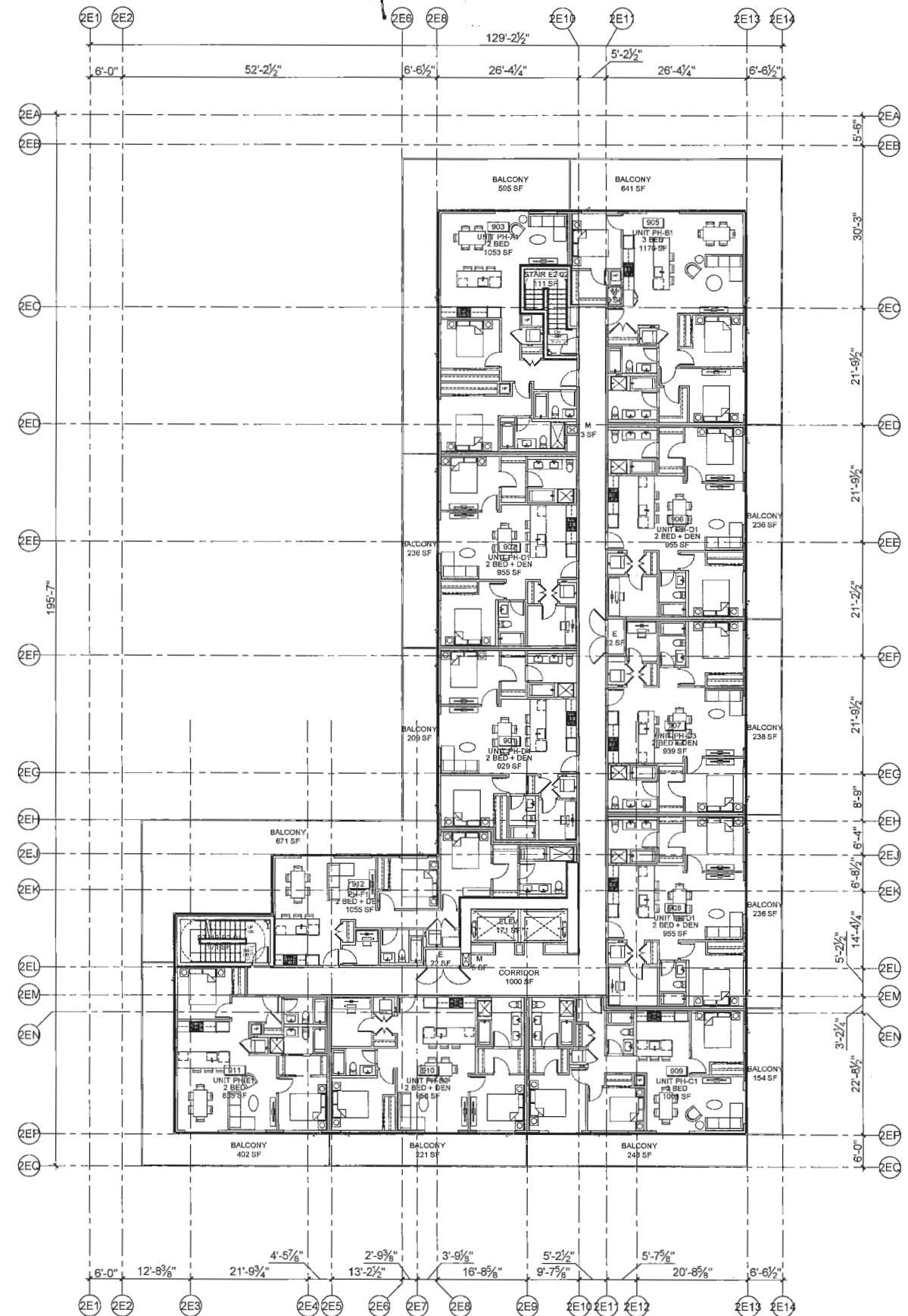
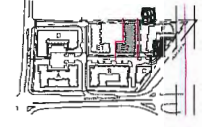
PROJECT: THE GARDENS PHASE THREE  
BUILDING E2: CALLA (PHASE 3)  
FLOOR PLAN  
LEVEL 3 TO 7

DATE: 04/29/2016  
DRAWN: JG  
CHECKED: JG  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-708  
SHEET: 13 OF 13

REVISIONS:  
1. 04/29/2016: REVISED PER COMMENTS FROM TOWNLINE

PLAN 14

## KEY PLAN



DATE	DESCRIPTION
16-04-15	ISSUED FOR DEVELOPMENT PERMIT FINAL
19-06-18	FOR RESPONSES
19-11-20	ADP-RE-1503
15-03-16	BUILDING TEST AGREEMENT
15-09-16	DEVELOPMENT PERMIT APPLICATION
11-11-2010	DESCRIPTION

ZGF  
COTTER

901-838 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-272-0477 FAX: 604-272-1871 EMAIL: info@ingcenter.com  
WWW: www.ingcenter.com

PROJECT:

**THE**  
**GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

**CLIENT:**

 TOWNLINE

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 RIGHTS REMAIN THE EXCLUSIVE PROPERTY OF JEF COTTON  
 ARCHITECTS INC. AND CANNOT BE USED OR REPRODUCED  
 WITHOUT THE ARCHITECT'S WRITTEN CONSENT.

Page 12

ONE CARD: A.	
SCALE: 100.	100.

JOS No. 15-8

DATE: 2008

SHEET TITLE:  
BUILD

BUILDING E2: CALLA  
(PHASE 3)  
FLOOR PLAN  
LEVEL 8

1  
A-216

BUILDING E2: CALLA (PHASE 3)  
LEVEL 8 FLOOR PLAN

1/8" = 1'-0"

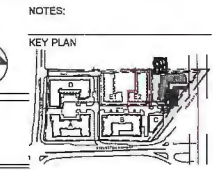
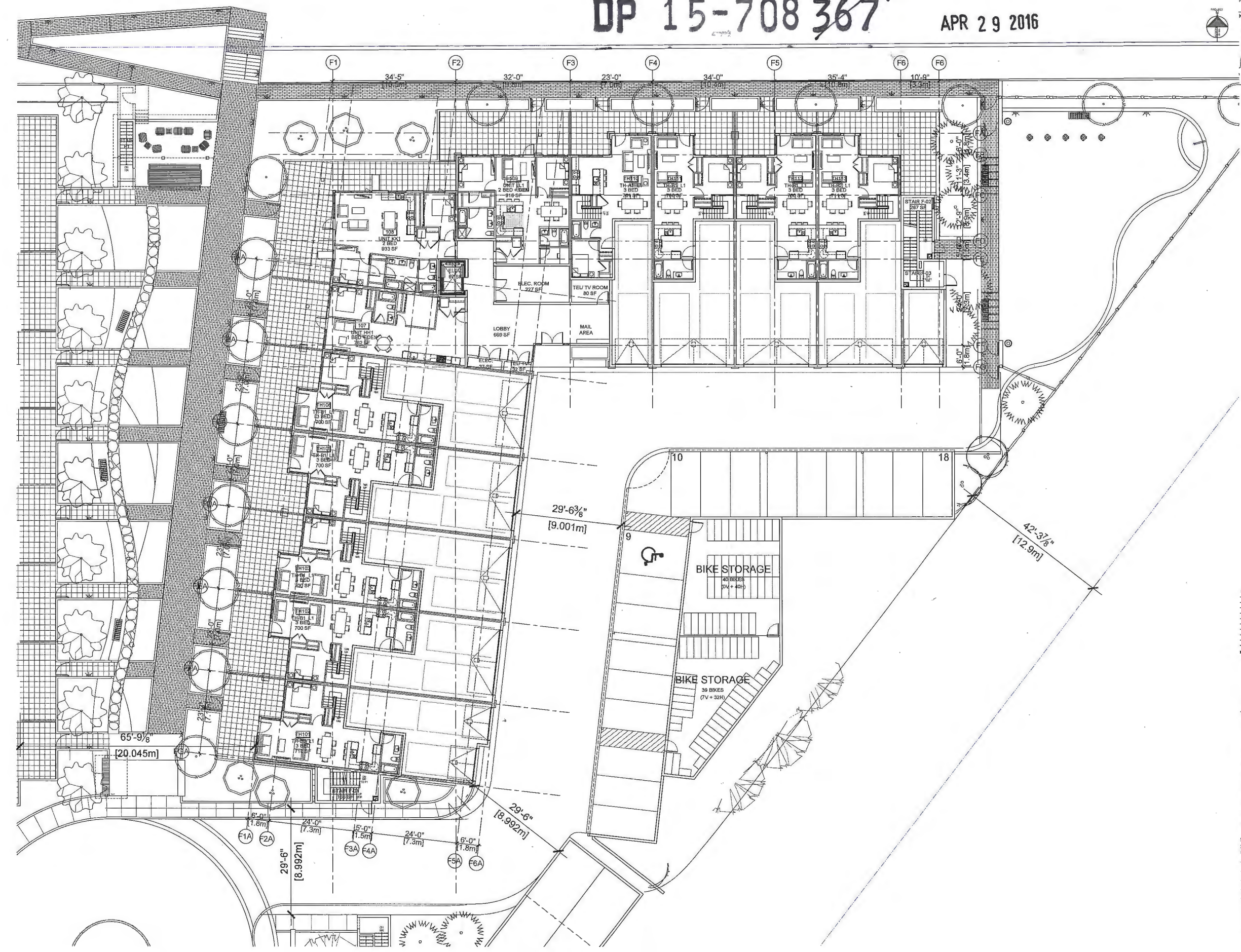
DRAWING NO.:  
**A-216**



DP 15-708 367<sup>9</sup> HC

APR 29 2016

PLAN 15



NOT FOR CONSTRUCTION

NO.	REVISION	DATE
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2	ADDITIONAL REVISIONS	
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**ZGF COTTER**  
ARCHITECTS  
303-338 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-272-4477 FAX: 604-272-4471 EMAIL: info@zgfco.com  
WWW.ZGFCOTTER.COM

**THE GARDENS**  
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

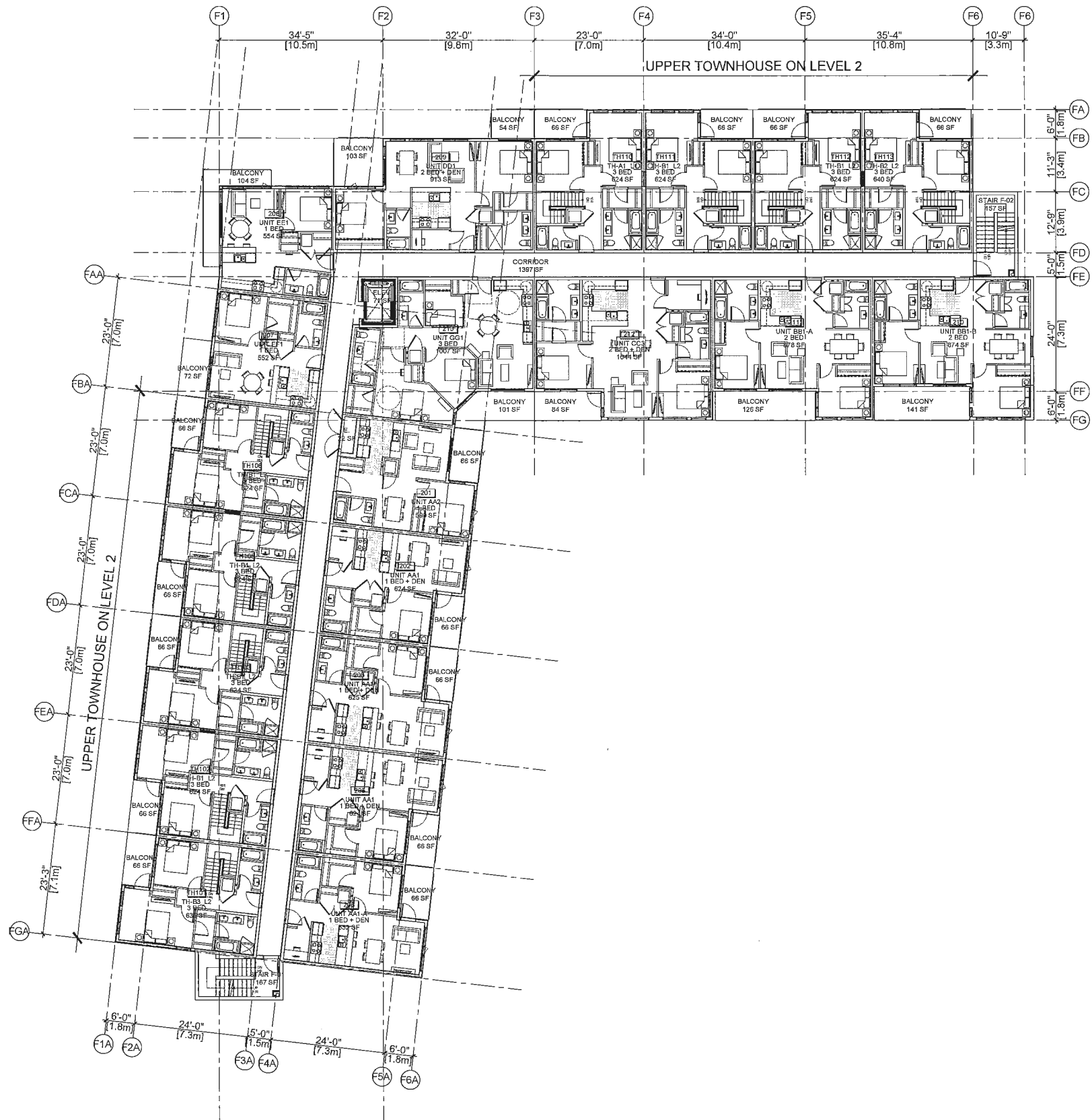
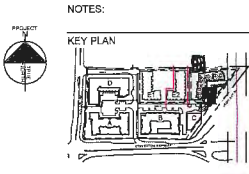
**TOWNLIN**  
CORPORATE RESPONSIBILITY: THIS PLAN HAS BEEN PREPARED BY AND FOR ALL  
PARTIES KNOWN OR UNKNOWN AND IS NOT TO BE USED FOR ANY OTHER  
PURPOSES WITHOUT THE WRITTEN CONSENT OF TOWNLIN.

NO.	REVISION	DATE
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BUILDING F: JASMINE (PHASE 3)  
LEVEL 1 FLOOR PLAN  
A-217  
1/8" = 1'-0"

DATE: 04/29/2016  
BY: [Signature]  
CHECKED: [Signature]  
SCALE: 1/8" = 1'-0"  
JOB NO: 15-708  
SHEET: 01 OF 01  
SHEET TITLE:  
BUILDING F: JASMINE  
(PHASE 3)  
FLOOR PLAN  
LEVEL 1  
A-217





NOT FOR  
CONSTRUCTION

1	ISSUED FOR DEVELOPMENT PERMIT APPLICATION
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9	ISSUED FOR DEVELOPMENT PERMIT APPLICATION
10	ISSUED FOR DEVELOPMENT PERMIT APPLICATION

**ZGF  
COTTER**

901-838 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-275-2277 FAX: 604-275-2281 EMAIL: info@zgf.com  
WWW.ZGFCOTTER.COM

**THE  
GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

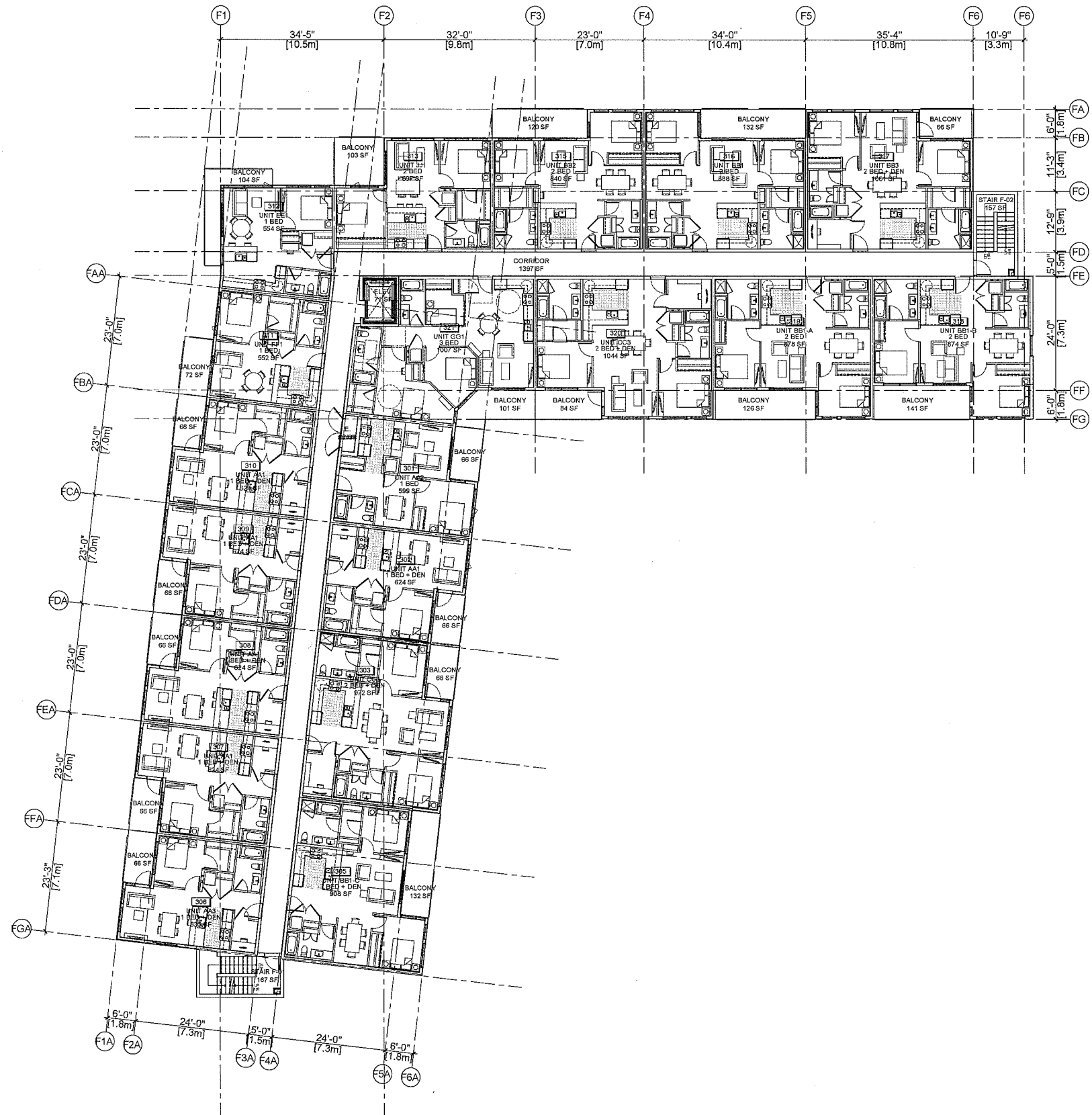
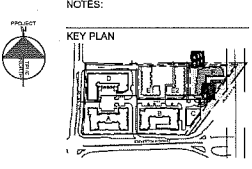
**TOWNLINE**

DESIGNED BY TOWNLINE ARCHITECTS  
FOR ZGF COTTER

DESIGNED BY	DATE
CHECKED BY	DATE
SCALE	1/8" = 1'-0"
JOB NO.	15-11
DATE	20160404

SHEET TITLE  
BUILDING F: JASMINE  
(PHASE 3)  
FLOOR PLAN  
LEVEL 2





NOT FOR CONSTRUCTION

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**ZGF COTTER**  
ARCHITECTS

301-438 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-272-1477 FAX: 604-272-1471 EMAIL: zc@zgf-cotter.com  
WWW.ZGFCOTTER.COM

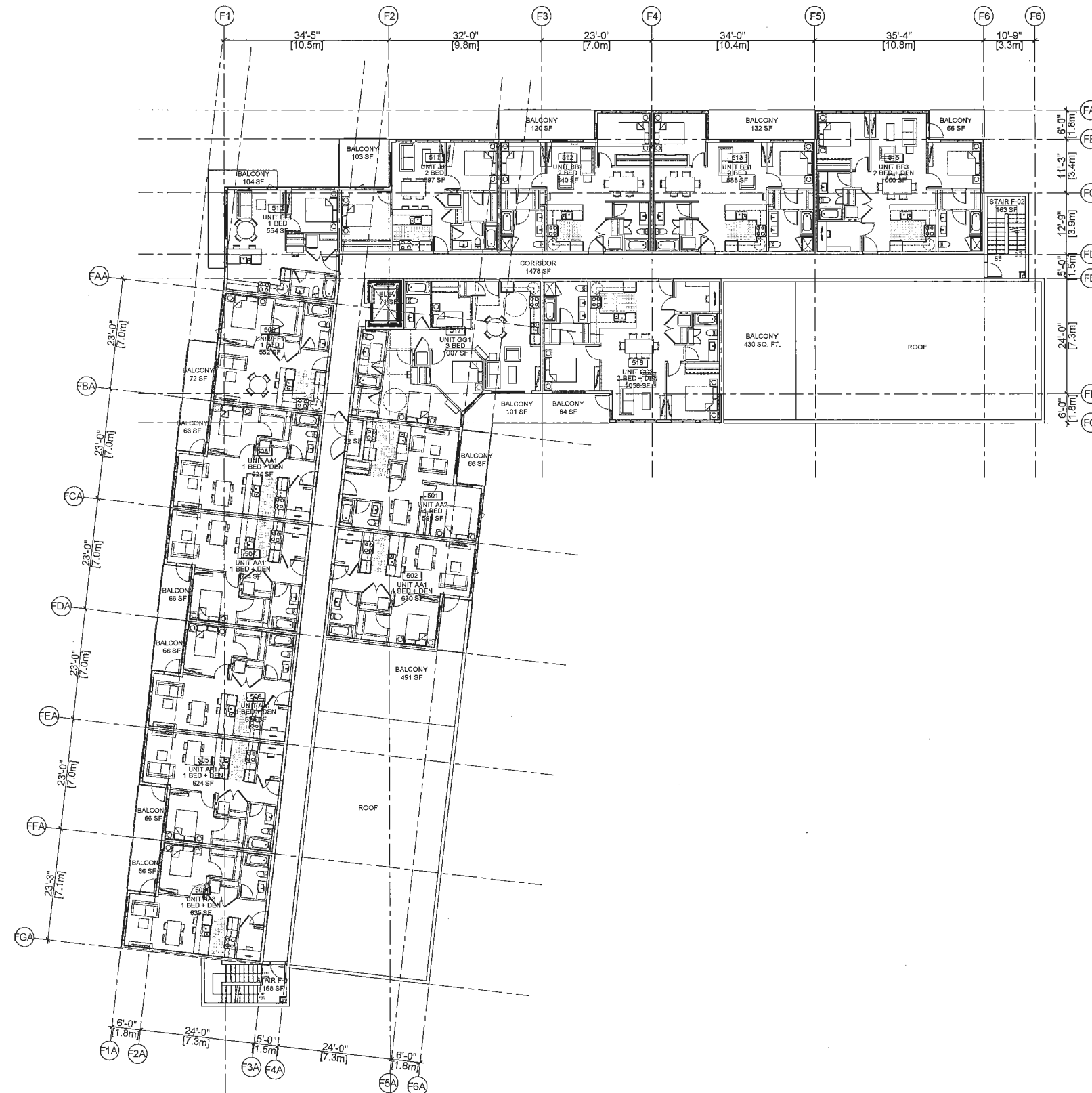
**THE GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

**TOWNLINE**

DESIGNER	DATE
CHECKED	DATE
SCALE	DATE
JOB NO.	DATE
SHEET	DATE

BUILDING F: JASMINE  
(PHASE 3)  
FLOOR PLAN  
LEVEL 3



NOT FOR  
CONSTRUCTION

E	100418	ISSUED FOR DEVELOPMENT PERMIT PANEL
D	150318	ACP REQUISITES
C	150122	ACP FINDER
B	150914	BUILDING TEXT AMENDMENT
A	150014	DEVELOPMENT PERMIT APPLICATION
MARK	TYPE/ISSUED	DESCRIPTION
[ISSUE]		

ZGF  
COTTER

931-838 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-272-1477 FAX: 604-272-2871 EMAIL: info@gagkramer.com  
WEB: www.gagkramer.com

PROJECT:



**THE  
GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

CLIENT:

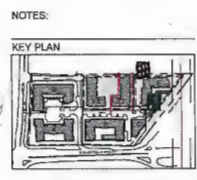
 TOWNLINE

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NAME: J.	SOLJ
C-Code: J.	
SCALE: 1.0 = 1.0	
JOB No: 15-1	
DATE: 2016-04-19	

SHEET TITLE:  
BUILDING F: JASMINE  
(PHASE 3)  
FLOOR PLAN  
LEVEL 4





AERIAL VIEW ALONG HWY 99 LOOKING SOUTHWEST



OBLIQUE FROM FUTURE PARK TOWARD SITE-LOOKING S.E.



VIEW FROM THE GARDEN PARK LOOKING SOUTH



STREET VIEW ALONG ROAD B LOOKING EAST



VIEW OF ENTRY ON BUILDING E1: DAHLIA



NOT FOR CONSTRUCTION

NO.	REVISION	DATE
1	ISSUED FOR DEVELOPMENT PERMIT APPLICATION	
2	ISSUED FOR DEVELOPMENT PERMIT APPLICATION	
3	ISSUED FOR DEVELOPMENT PERMIT APPLICATION	
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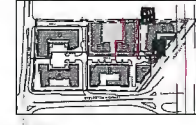
**ZGF COTTER**  
351 438 West Hastings Street, Vancouver, BC V6C 0A6  
Tel: 604 251 4377 Fax: 604 251 4380 Email: info@zgfco.com  
Web: www.zgfco.com

**THE GARDENS**  
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

**TOWNLINE**  
DESIGNED BY: TOWNLINE  
DRAWN BY: TOWNLINE  
CHECKED BY: TOWNLINE  
DATE: 10/11

**A-301**





DP 15-708397

APR 29 2016



PEDESTRIAN VIEW INTO THE COURTYARD



VIEW OF ENTRY ON BUILDING E2: CALLA



VIEW OF ENTRY ON BUILDING E2: CALLA



VIEW INTO THE PEDESTRIAN MEWS



VIEW INTO PEDESTRIAN MEWS - LOOKING NORTH

NOT FOR  
CONSTRUCTION

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10	15-708397-10	15-708397-10

**ZGF  
COTTER**

3055 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-271-1177 FAX: 604-271-1178 EMAIL: info@zgfco.com  
WWW.ZGFCOTTER.COM

PROJECT:

**THE  
GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

CLIENT:

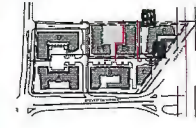
**TOWNLINE**

CONCEPT DESIGN, PRELIMINARY DESIGN, AND AT ALL  
STAGES OF THE DESIGN PROCESS, ZGF COTTER SHALL BE  
RESPONSIBLE FOR THE DESIGN OF THE PROJECT  
WITHOUT THE PROJECT'S WRITTEN CONSENT.

DESIGN	SEAL
CHECKED	DATE
DRAWN	DATE
DATE	DATE

SHEET TITLE:  
PERSPECTIVE  
RENDERING





VIEW ALONG HWY 99 LOOKING NORTHWEST



VIEW FROM DRIVEWAY TOWARDS BUILDING F: JASMINE ENTRY



VIEW FROM BIKE PAVILION TOWARDS BUILDING F: JASMINE ENTRY



VIEW FROM BALCONY OVERLOOKING THE BIKE PAVILION ROOF



PEDESTRIAN VIEW ALONG NORTH EDGE PATHWAY LOOKING WEST



PEDESTRIAN VIEW FROM GARDEN LOOKING SOUTHWEST

NOT FOR  
CONSTRUCTION

E	150415	ISSUED FOR DEVELOPMENT PERMIT PANEL
D	150318	ACP PREPARED
C	151923	ACP REVIEW
B	150814	BUILD NO TEXT AMENDMENT
A	150614	DEVELOPMENT PERMIT APPLICATION
MARK	TYAMKCD	DESCRIPTION

ZGF  
COTTER

301-538 West Hastings Street, Vancouver, BC V6C 6A1  
TEL: 604-272-0477 FAX: 604-272-5473 EMAIL: info@cofkassee.com  
WEB: www.cofkassee.com

PROJECT:

## THE GARDENS

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

**CLUB**  
**TOWNLINE**

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DATE	SCALE
CLASS	

SCALD	NTJS
JED R42	15-11

DATE: 2015/04/19

SHEET TITLE:

### PERSPECTIVE RENDERING

EXAMING NO.: REV.

A-303

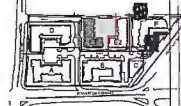


DP 15-708397

PLAN ZZ

NOTES:

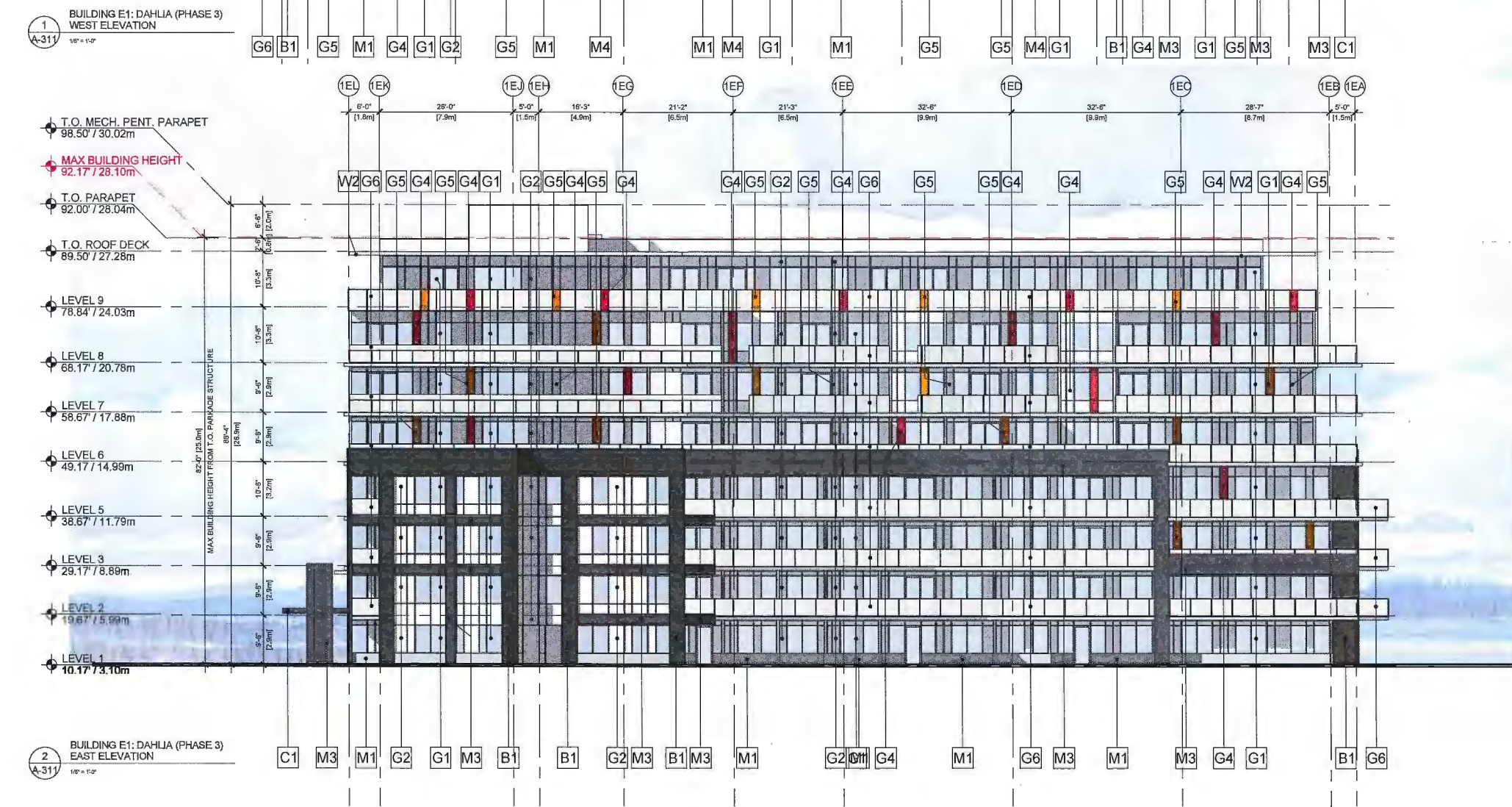
KEY PLAN



APR 29 2016



- BUILDING E1 & E2 MATERIAL LEGEND**
- B1 - BRICK TEXTURED FINISH (DARK GRAY)
- C1 - STEEL FRAMED GLASS CANOPY
- G1 - CLEAR GLAZING  
G2 - SPANDREL PANEL (WHITE)  
G3 - SPANDREL PANEL (LIGHT GRAY)  
G4 - SPANDREL PANEL (ORANGE)  
G5 - SPANDREL PANEL (YELLOW)  
G6 - GLASS GUARDRAIL  
G7 - SPANDREL PANEL (EGGPLANT)  
G8 - SPANDREL PANEL (BURGUNDY)
- M1 - METAL PANEL (LIGHT GRAY)  
M2 - METAL PANEL (GRAY)  
M3 - METAL PANEL (DARK GRAY)  
M4 - METAL PANEL (BEIGE)
- W2 - WOOD TEXTURED FINISHED SOFFIT (CONCRETE/FIBER BOARD)



NOT FOR CONSTRUCTION

1	ISSUED FOR DEVELOPMENT REVIEW PANEL
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10	ISSUED FOR DEVELOPMENT REVIEW PANEL

**ZGF COTTER**  
ARCHITECTS

301.834 West Hastings Street, Vancouver, BC V6C 0A6  
TEL: 604-683-2477 FAX: 604-683-2478 EMAIL: info@zgfco.com  
WWW.ZGFCOTTER.COM

**THE GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

CLIENT: **TOWNLINE**

DATE: 20160404

SCALE: 1/8" = 1'-0"

DATE: 20160404

SHOWN TITLE: BUILDING E1: DAHLIA (PHASE 3) WEST & EAST ELEVATIONS

DATE: 20160404

DATE: 20160404

DATE: 20160404

DATE: 20160404



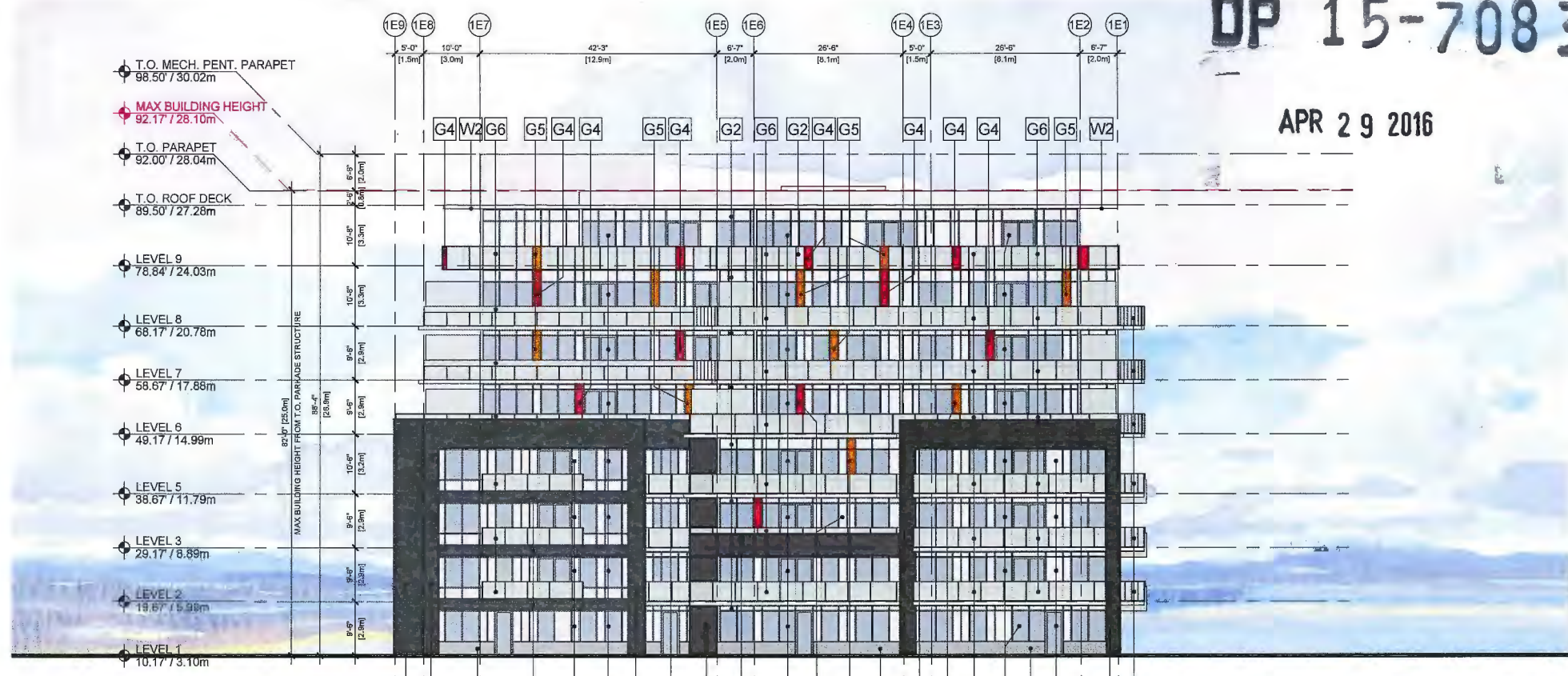
DP 15-708397

APR 29 2016

PLAN 23

NOTES:

KEY PLAN



1  
A-312  
BUILDING E1: DAHLIA (PHASE 3)  
NORTH ELEVATION  
1/8" = 1'-0"



2  
A-312  
BUILDING E1: DAHLIA (PHASE 3)  
SOUTH ELEVATION  
1/8" = 1'-0"

- BUILDING E1 & E2  
MATERIAL LEGEND**
- B1 - BRICK TEXTURED FINISH (DARK GRAY)
- C1 - STEEL FRAMED GLASS CANOPY
- G1 - CLEAR GLAZING  
G2 - SPANDREL PANEL (WHITE)  
G3 - SPANDREL PANEL (LIGHT GRAY)  
G4 - SPANDREL PANEL (ORANGE)  
G5 - SPANDREL PANEL (YELLOW)  
G6 - GLASS GUARDRAIL  
G7 - SPANDREL PANEL (EGGPLANT)  
G8 - SPANDREL PANEL (BURGUNDY)
- M1 - METAL PANEL (LIGHT GRAY)  
M2 - METAL PANEL (GRAY)  
M3 - METAL PANEL (DARK GRAY)  
M4 - METAL PANEL (BEIGE)
- W2 - WOOD TEXTURED FINISHED SOFFIT  
(CONCRETE/FIBER BOARD)

NOT FOR  
CONSTRUCTION

1	10/18/15	ISSUED FOR DEVELOPMENT PERMIT APPLICATION
2	11/19/15	FOR RESPONSE
3	12/10/15	FOR REVIEW
4	1/15/16	FOR REVIEW
5	2/10/16	FOR REVIEW
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98	11/10/23	FOR REVIEW
99	12/10/23	FOR REVIEW
100	1/10/24	FOR REVIEW

**ZGF  
COTTER**

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Web: www.zgfco.com

**THE  
GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

**TOWNLINE**

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DESIGNER	HL	SCALE
CHECKED	AL	
SEAL	1/8" = 1'-0"	
JOB NO.	15-11	
DATE	04/29/16	
SHEET TITLE	BUILDING E1: DAHLIA (PHASE 3) NORTH & SOUTH ELEVATIONS	

DRAWING NO. A-312

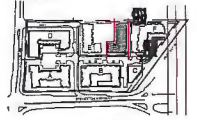


DP 15-708397

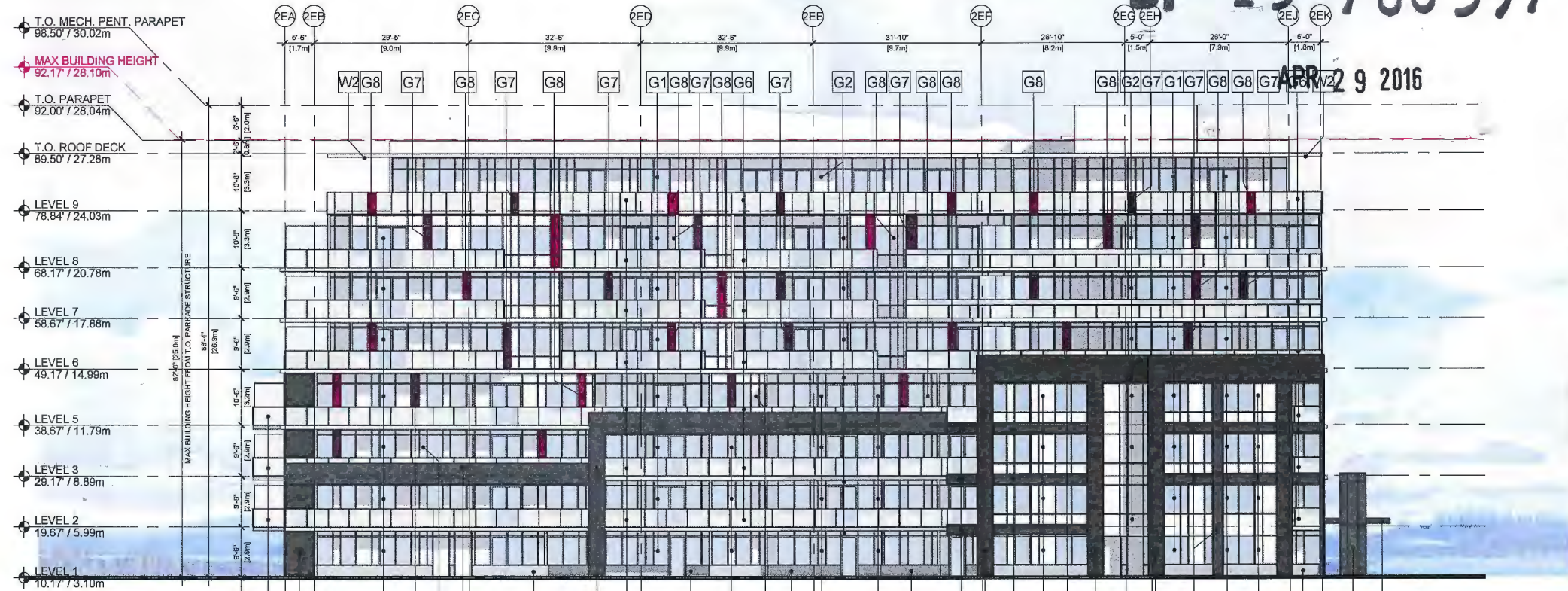
PLAN 29

NOTES:

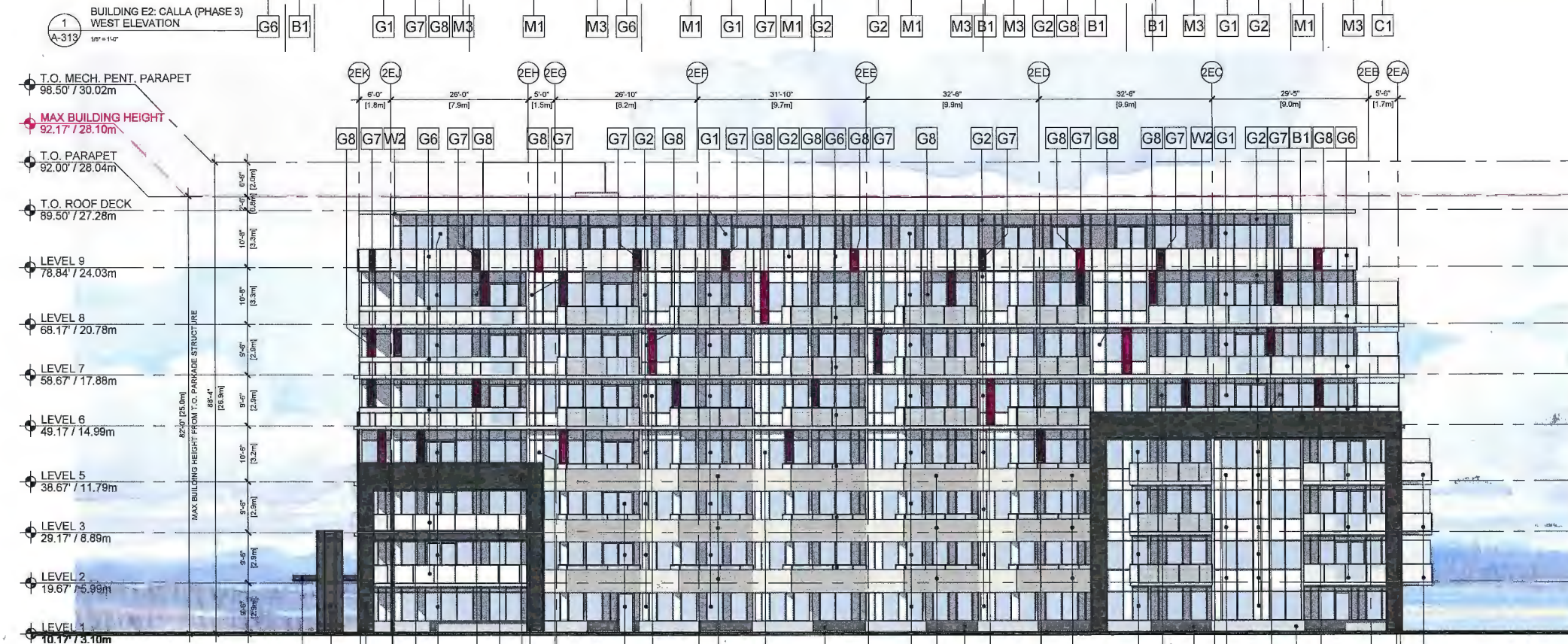
KEY PLAN



APR 29 2016



- BUILDING E1 & E2  
MATERIAL LEGEND**
- B1 - BRICK TEXTURED FINISH (DARK GRAY)
- C1 - STEEL FRAMED GLASS CANOPY
- G1 - CLEAR GLAZING  
G2 - SPANDREL PANEL (WHITE)  
G3 - SPANDREL PANEL (LIGHT GRAY)  
G4 - SPANDREL PANEL (ORANGE)  
G5 - SPANDREL PANEL (YELLOW)  
G6 - GLASS GUARDRAIL  
G7 - SPANDREL PANEL (EGGPLANT)  
G8 - SPANDREL PANEL (BURGUNDY)
- M1 - METAL PANEL (LIGHT GRAY)  
M2 - METAL PANEL (GRAY)  
M3 - METAL PANEL (DARK GRAY)  
M4 - METAL PANEL (BEIGE)
- W2 - WOOD TEXTURED FINISHED SOFFIT  
(CONCRETE/FIBER BOARD)



NOT FOR  
CONSTRUCTION

E	ISSUED FOR CONSTRUCTION PERMIT
D	ISSUED FOR CONSTRUCTION PERMIT
C	ISSUED FOR CONSTRUCTION PERMIT
B	ISSUED FOR CONSTRUCTION PERMIT
A	ISSUED FOR CONSTRUCTION PERMIT
1	ISSUED FOR CONSTRUCTION PERMIT

**ZGF  
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WWW.ZGF.COM

**THE  
GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

**TOWNLIN**

DESIGNED BY: TOWNLIN  
DRAWN BY: TOWNLIN  
CHECKED BY: TOWNLIN  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-11  
DATE: 01/01/2016

PROJECT TITLE:  
BUILDING E2: CALLA  
(PHASE 3)  
WEST & EAST  
ELEVATIONS

DESIGNED BY: TOWNLIN  
DRAWN BY: TOWNLIN  
CHECKED BY: TOWNLIN  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-11  
DATE: 01/01/2016

PROJECT TITLE:  
BUILDING E2: CALLA  
(PHASE 3)  
WEST & EAST  
ELEVATIONS

DESIGNED BY: TOWNLIN  
DRAWN BY: TOWNLIN  
CHECKED BY: TOWNLIN  
SCALE: 1/8" = 1'-0"  
JOB NO.: 15-11  
DATE: 01/01/2016

PROJECT TITLE:  
BUILDING E2: CALLA  
(PHASE 3)  
WEST & EAST  
ELEVATIONS



PLAN 25

**KEY PLAN**



W2 - WOOD TEXTURED FINISHED SOFFIT  
(CONCRETE/FIBER BOARD)

 $\frac{1}{8}'' = 1'-0''$  $1/8^{\circ} = 1.0$ 

DRAWING NO.:  
**A-314**



DP 15-708397

PAN 26

APR 29 2016

NOTES:

KEY PLAN



- BUILDING F: JASMINE**  
**MATERIAL LEGEND**
- B1 - BRICK TEXTURED FINISH (BROWN-RED)
  - C1 - STEEL FRAMED GLASS CANOPY w/ STEEL ROD
  - G1 - VINYL WINDOWS (WHITE TRIM)
  - G2 - GLASS GUARDRAIL
  - M1 - PREFINISHED METAL TRIM
  - M2 - METAL FLASHING (LIGHT GRAY)
  - M3 - GARAGE DOOR (WHITE) C/W FROSTED WINDOWS
  - M4 - GARAGE DOOR (MAPLE) C/W FROSTED WINDOWS
  - M5 - PREFINISHED METAL PICKET GUARDRAIL (WHITE)
  - M6 - METAL FLASHING (BROWN)
  - H1 - CEMENT FIBRE BOARD SHIPLAP SIDING (WHITE)
  - H2 - CEMENT FIBRE BOARD SHIPLAP SIDING (MAPLE)
  - H3 - CEMENT FIBRE BOARD (WHITE)
  - W1 - WOOD FASCIA
  - W2 - WOOD COLUMNS



NOT FOR CONSTRUCTION

1	10/10/15	10/10/15	10/10/15
2	10/10/15	10/10/15	10/10/15
3	10/10/15	10/10/15	10/10/15
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9	10/10/15	10/10/15	10/10/15
10	10/10/15	10/10/15	10/10/15

**ZGF COTTER**  
ARCHITECTS

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**THE GARDENS**

THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

CLIENT: **TOWNLINE**

DATE: 04/29/16  
SHEET TITLE: BUILDING F: JASMINE (PHASE 3) ELEVATIONS

DESIGN: J.L.	SCALE:
CHECKED: J.L.	
DRAWN: J.P.	
DATE: 04/29/16	

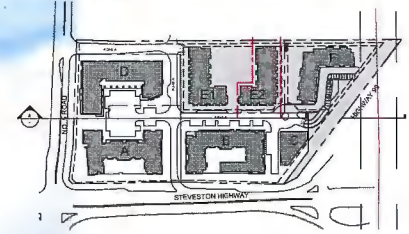
DATE: 04/29/16  
SHEET TITLE: BUILDING F: JASMINE (PHASE 3) ELEVATIONS

DATE: 04/29/16	SCALE:
CHECKED: J.L.	
DRAWN: J.P.	
DATE: 04/29/16	



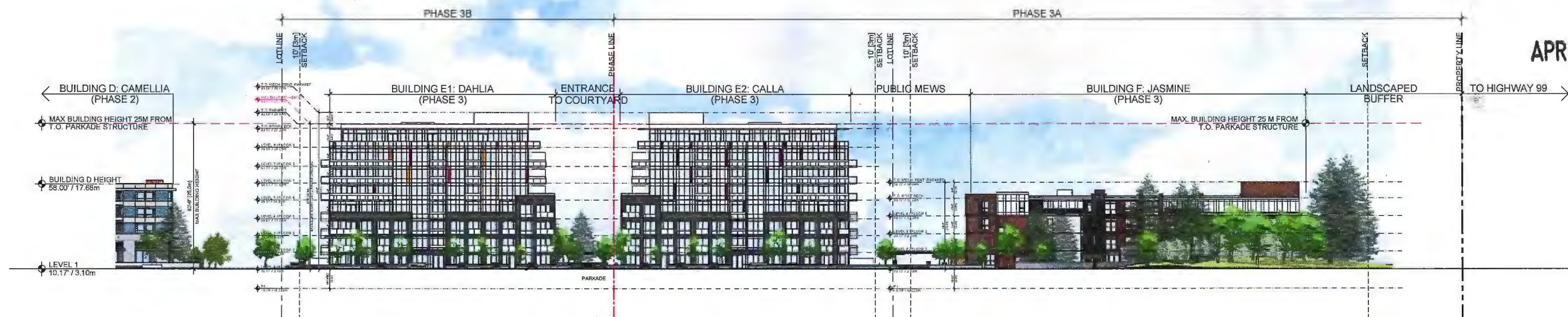
NOTES:

KEY PLAN



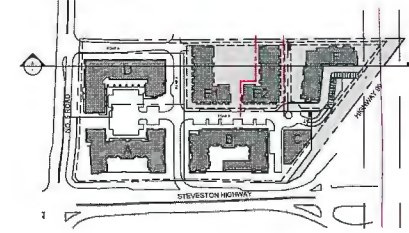
DP 15-708 397

APR 29 2016



1 SITE ELEVATION A-A  
A-401 3/8" = 1'-0"

KEY PLAN



NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	10/15/15	PRELIMINARY
2	10/15/15	REVISION
3	10/15/15	REVISION
4	10/15/15	REVISION
5	10/15/15	REVISION
6	10/15/15	REVISION
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8	10/15/15	REVISION
9	10/15/15	REVISION
10	10/15/15	REVISION

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THE  
GARDENS

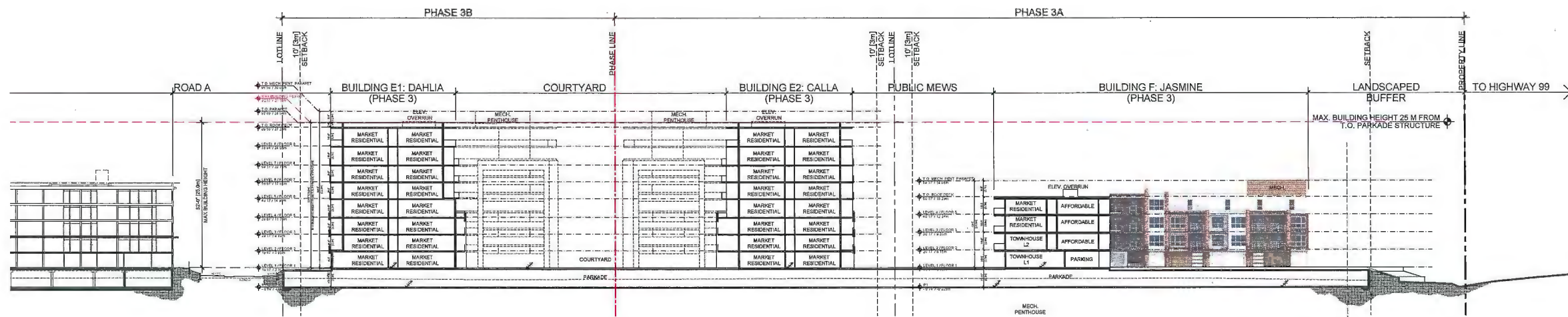
THE GARDENS PHASE THREE  
BUILDING E1: DAHLIA,  
BUILDING E2: CALLA, &  
BUILDING F: JASMINE

OWNER: TOWNLINE

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OWNER	DATE
DESIGNED BY	DATE
SCALE	DATE
JOB NO.	DATE
DRAWN BY	DATE

SHEET TITLE:  
SITE ELEVATIONS &  
SECTIONS

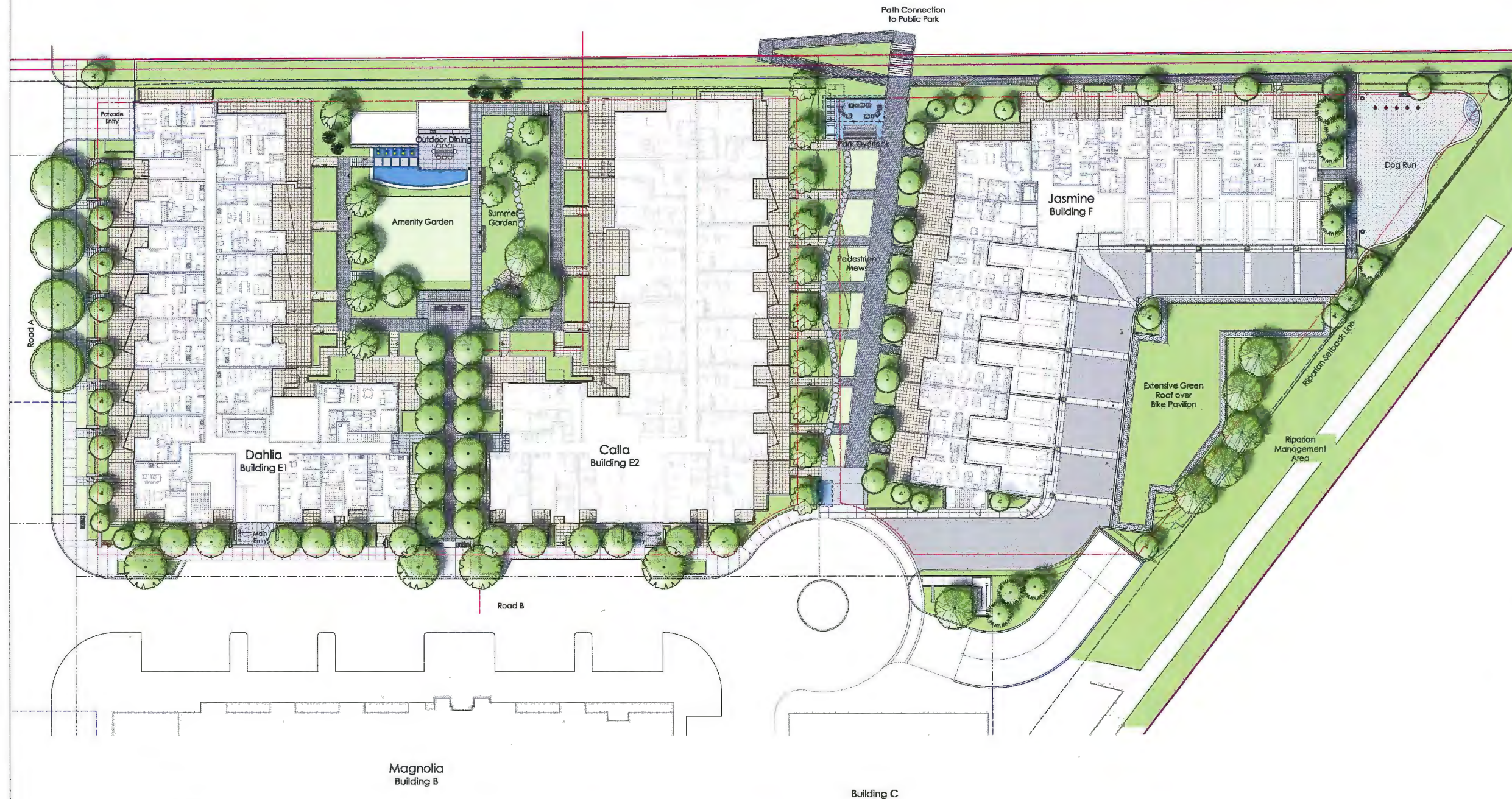


2 SITE SECTION A-A  
A-401 3/8" = 1'-0"

DATE: 04/29/16  
A-401





**Landscape Rationale:**

Buildings E and F are residential and provide a transition from the mixed use development to the south (The Urban Village) to the future public park to the north. The street oriented units at Building E are more urban in character as a response to the development across the street. Raised planters, metal patio gates, and address plaques embellish the entry sequence to these street oriented units.

**Building E Amenity Garden**  
Two "L" shape buildings (Building E1 and E2) enclose a large semi-private courtyard. This amenity garden contains a water feature, a simple sheet of lawn, a summer flower garden, a kid's play area, and a dining area that affords residents the opportunity to be outside and meet their neighbours. Large semi-private patios adjacent the building perimeter also encourage outdoor living.

**Pedestrian Mews**  
Located between Buildings E2 and F a 10/3m wide public pathway connects the Urban Village and surrounding neighbourhood to the future public park to the north. A trellis structure with seating and way finding at the south end of the Mews guides pedestrians north to a park overlook with a trellis and seating. From here a series of stairs and ramps connects the Mews to the future park to the north. Generous patios on the east side of Building E2 and the west side of Building F provide good oversight of the Pedestrian Mews.

**Northern Property Line**  
There are several differing conditions along the north property line of buildings E and F as a means to provide some variation to the property edge. In front of building E1 the landscape steps at the edge of the parking garage, and then slopes down to the future public park. In front of building E2 the landscape again steps at the edge of the parking.

A 3m Agricultural Land Reserve has been protected and enhanced along the entire North edge of the site. Public access is discouraged using a variety of thorny, attractive and hardy trespass inhibiting plants. A retaining wall along the property line also discourages access, while a row of cotoneaster planting will cascade over the wall, softening the edge. Where possible on park property the landscape can also slope up to meet the property line and reduce the height of the wall. A 3.5' ht metal fence set behind the ALR boundary will further discourage pedestrian encroachment into this space.

Along the property line north of building F there is a 4/1.2m wide access path (to the townhouse entries) with planting either side.

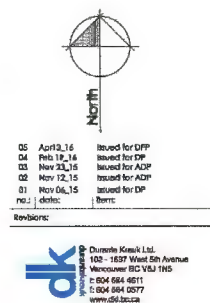
**Eastern Property Line Riparian Zone**  
Along the eastern property line there is a riparian setback. This area will be planted as per the recommendation of the environmental consultant. The existing hedge will be protected and retained, and an existing gap in the hedge will be planted with a similar species. Large native coniferous trees are also proposed to be planted in the riparian zone as a means to buffer the highway. Outside the riparian zone, at the northeast corner of the site, a fenced dog run with double gate access and a covered trellis seating area is proposed.

**Building F Bike Parking**  
The bike parking will have a planted roof that slopes east and beams down to meet the grade at the riparian setback. Five large shade trees are proposed to be planted on the berm and be a focal point for the residential units across. A guardrail, sandwiched between shrub plantings, will prevent access to the green roof.

**Sustainability**  
The landscape will utilize a high efficiency drip irrigation system and plants that are drought tolerant in order to reduce the use of potable water. Shade trees and planting have been maximized to reduce the amount of constructive surfaces that heat up and contribute to the heat island effect. Soil depths of 12 - 30" over the suspended slab will slow storm water runoff.

**Plant Material**  
Plant material will vary throughout the project. Along the street perimeter evergreen shrubs and hedging, as well as small trees will buffer the sidewalk from the ground floor units. Similarly evergreen hedging and medium sized shade trees are proposed to buffer ground floor units from the pedestrian mews.

Plantings in the riparian zone will be predominantly native plants, where as plantings in the amenity courtyard and along the pedestrian mews will have colour and seasonal variation (perennials and ornamental grasses).



Project:  
**The Gardens**

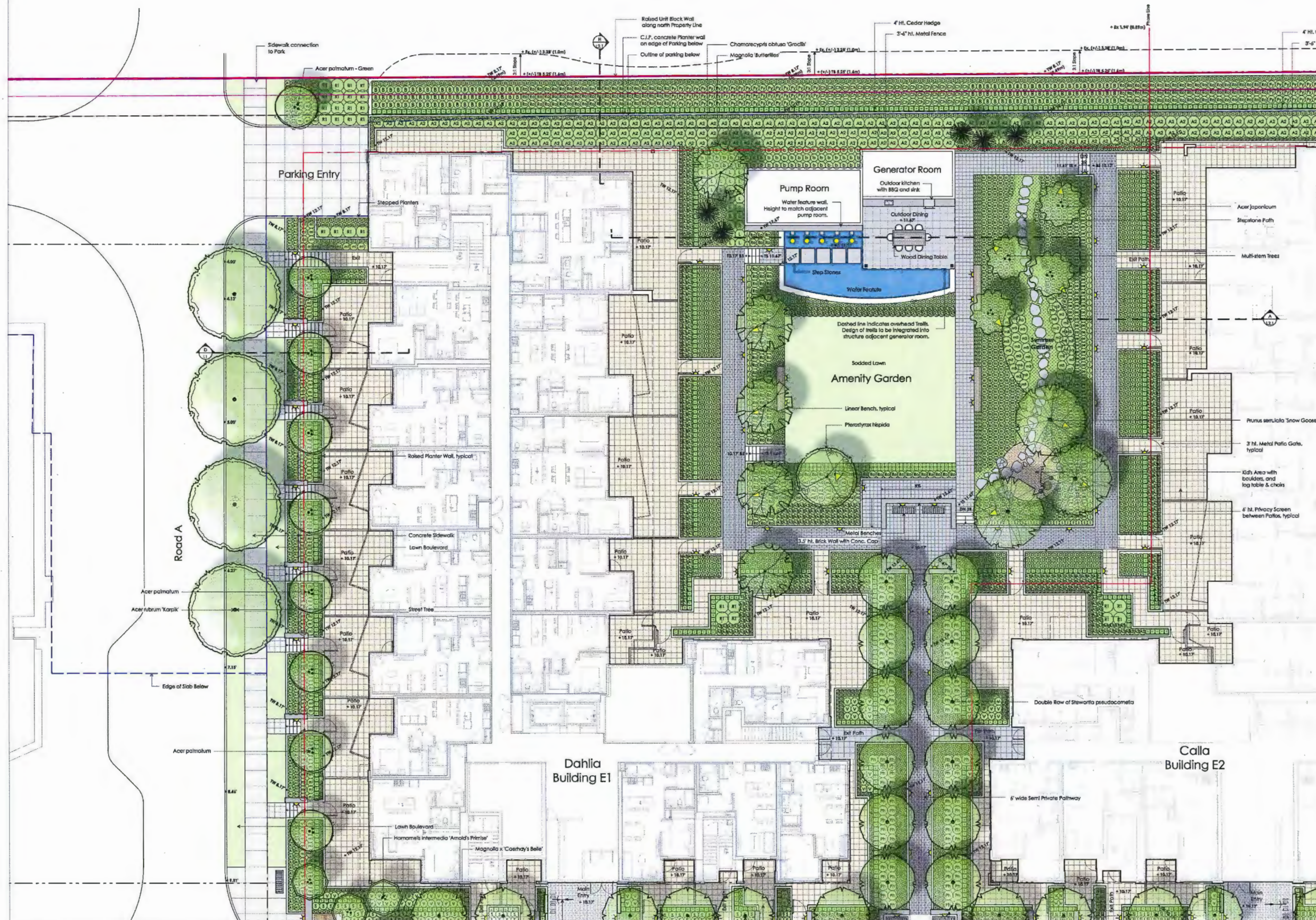
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Checked by: JH  
Date: Nov 04, 2015  
Scale: N.T.S.  
Drawing Title:

**Overall Landscape Plan**

Project No:  
**15051**  
Sheet No:



APR 29 2016



North

05 Apr 13, 16 Issued for DPP  
04 Feb 12, 16 Issued for DP  
03 Nov 12, 15 Issued for ADP  
02 Nov 12, 15 Issued for ADP  
01 Nov 08, 18 Issued for DP  
00 Nov 08, 18 Issued for DP

Revision:

dk

Durston Knott Ltd.  
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Vancouver BC V6L 1Y5  
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F: 604 684 1877  
www.dk.ca

Project:

**The Gardens**

Drawn by: DWH  
Checked by: JS  
Date: Nov 04, 2015  
Scale: 1" = 1/8"  
Drawing Title:

**Landscape Plan West**

Project No.: 15051  
Sheet No.: L1.1



APR 29 2016



05	Apr 13_16
04	Feb 19_16
03	Nov 23_15
02	Nov 12_15
01	Nov 06_15
no.:	date:



Project:  
**The Gardens**

Drawn by:	DWH
Checked by:	JS
Date:	Nov 04, 2011
Scale:	1"=2' = 1/8"
Drawing Title:	
<b>Landscape Plan Central</b>	

Project No.:  
15051

Sheet No.:

## L1.2



APR 29 2016



North

Revisions:

01	Apr 13, 14	Issued for DPP
02	Apr 13, 14	Issued for DPP
03	Nov 23, 15	Issued for ADP
04	Nov 23, 15	Issued for ADP
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Project: The Gardens

Drawn by: DWH

Checked by: JS

Date: Nov 04, 2015

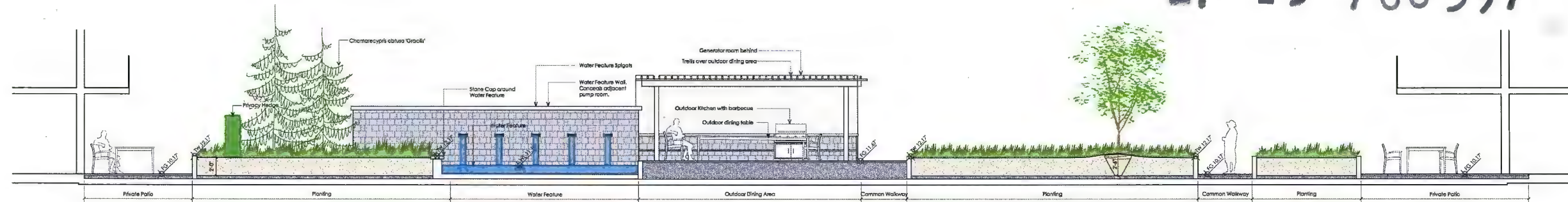
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Drawing Title: Landscape Plan East

Project No.: 15051

Sheet No.: 11.3

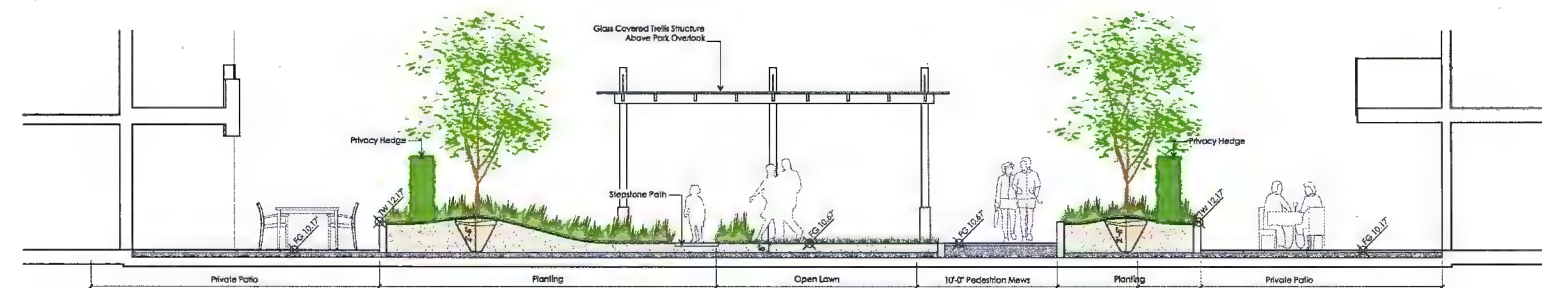




**A**  
Amenity Garden - Section  
Scale: 1/4"=1'-0"



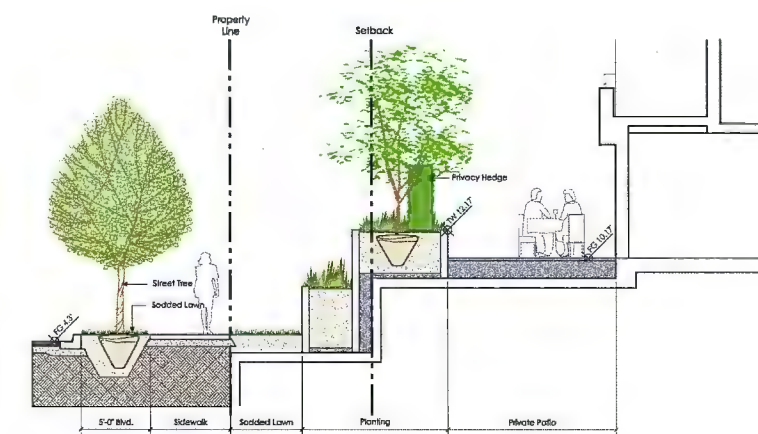
**B**  
Bike Parking Enclosure - Section  
Scale: 1/4"=1'-0"



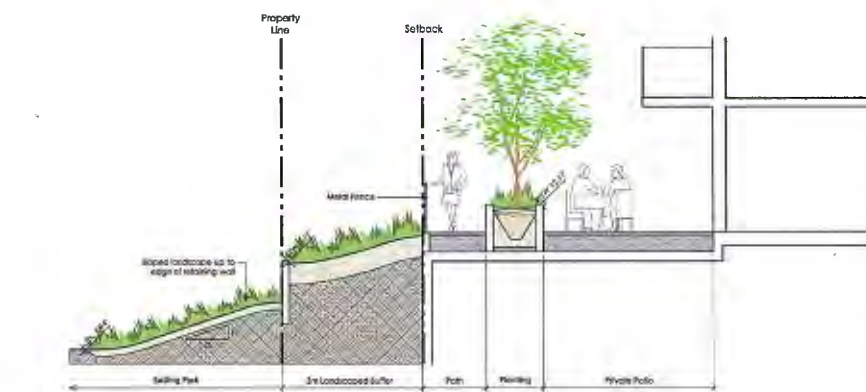
**C**  
Pedestrian Mews - Section  
Scale: 1/4"=1'-0"



**D**  
Park Overlook - Section  
Scale: 1/4"=1'-0"



**E**  
Road A - Section  
Scale: 1/4"=1'-0"



**F**  
Park Edge of Building F - Section  
Scale: 1/4"=1'-0"



**G**  
Park Edge of Dog Run - Section  
Scale: 1/4"=1'-0"

05 Apr 13, 16 Issued for DPP  
04 Feb 12, 16 Issued for DP  
03 Nov 12, 16 Issued for ADP  
02 Nov 12, 16 Issued for ADP  
01 Nov 04, 15 Issued for DP  
Rev 1 04/16  
Revised:  
Dunlop Kiewit Ltd.  
102 - 1037 West 5th Avenue  
Vancouver BC V6J 1N5  
T: 604 684 0811  
F: 604 684 0877  
www.dk.ca

Project:  
**The Gardens**

Drawn by: DWH  
Checked by: JS  
Date: Feb 10, 2016  
Scale: 1'-0" = 1/4"  
Drawing Title:  
**Sections**

Project No:  
15051  
Sheet No:



APP 29 2016

APR 29 2016

Plant List																			
Sym	Qty	Botanical Name	Common Name	Size/Spacing/Comments	Sym	Qty	Botanical Name	Common Name	Size/Spacing/Comments	Sym	Qty	Botanical Name	Common Name	Size/Spacing/Comments	Sym	Qty	Botanical Name	Common Name	Size/Spacing/Comments
Trees					Shrubs					Perennials & Groundcover									
	5	Acer japonicum 'Aureum'	Golden Fullmoon Maple	5cm cal, B&S	A1	308	Azalea 'Nikko'	Dwarf Azalea	#3 pot	as	22	Asarum caudatum	Wild Ginger	#1 pot					
					A3	817	Azalea Hino White	Dwarf White Azalea	#2 pot	b	66	Baptisia 'Purple Smoke'	Foale Indigo	#2 pot					
	13	Acer palmatum - Green	Japanese Maple	5cm cal, B&S	AZ	300	Azalea japonica 'Eble Lee'	Japanese Azalea	#2 pot	x	831	Carex oshimensis 'Evergold'	Evergold Sedge	#2 pot					
					Q	90	Buxus microphylla 'Green Beauty'	Boxwood	#2 pot	c	354	Colostephus dammeri	Colostephus	#1 pot					
					CI	56	Cholayo ternata	Mock Orange	#2 pot	f	110	Festuca 'Blue Glow'	Blue Fescue	#1 pot					
	4	Acer rubrum 'Karpik'	Red Maple	7cm cal, B&S	Cs	81	Cornus sericea 'Kelsey'	Dwarf Red-Outer Dogwood	#2 pot	g	263	Gaultheria shallon	Solal	#2 pot					
					D	315	Daphne cneazum	Rack Daphne	#5 pot	ha	11	Hakonechloa m. 'Aureola'	Japanese Woodland Grass	#2 pot					
					H	12	Hydrangea quercifolia 'Snow Queen'	Oakleaf Hydrangea	#2 pot	h	285	Heuchera 'Obsidian'	Obsidian Coral Bells	#1 pot					
	3	Chamaecyparis obtusa 'Gracilis'	Japanese Cypress	2.5m Ht, B&S	L	320	Lonicera caerulea	Roseleaf Honeysuckle	#3 pot	ha	6	Hosta 'Sum and Substance'	Hosta	#2 pot					
					P	130	Philadelphus 'Miniature Snowflake'	Mock Orange	#2 pot	i	164	Iberis sempervirens 'Snowflake'	Evergreen Candytuft	#2 pot					
	15	Cornus 'Starlight'	Flowering Dogwood	5cm cal, B&S	R1	120	Rhododendron	Rhododendron	4" ht., confirm colours with LA	o	92	Isis ibetica	Siberian Iris	#1 pot					
					Ra	340	Rosa 'R Coronell'	Yellow Rose	#3 pot	la	523	Lavandula 'Hidcote Blue'	English Lavender	#2 pot					
					Sp	95	Salix purpurea 'Nana'	Dwarf Arctic Willow	#3 pot	l	420	Litsea 'Silver Sunproof'	Variegated Lilyturf	#1 pot					
					sa	12	Sarcococca h. humilis	Dwarf Himeyuan Box	#2 pot	ld	320	Lithodora diffusa 'Grace Ward'	Lithospermum	#1 pot					
	9	Hamamelis intermedia 'Arnold's Promise'	Japanese Witch Hazel	5cm cal, B&S	s	73	Spiraea	White Spiraea	#3 pot	rw	198	Moss reptans 'Albus'	Creeeping Moss	#3 pot					
					sj	93	Spiraea japonica 'Little Princess'	Pink Spiraea	#3 pot	m2	222	Miscanthus 'Little Kitten'	Dwarf Maiden Grass	#3 pot					
					1182	Thuja occidentalis 'Smaragd'	Carole Hedge	4" ht., B&S	ml	150	Miscanthus 'Morning Light'	Maiden Grass	#3 pot						
	4	Magnolia x 'Butterflies'	Butterflies Magnolia	7cm cal, B&S	V	149	Viburnum davidii	David's Viburnum	#3 pot	m3	75	Miscanthus 'Silverleaf'	Silver Arrow Maiden Grass	#3 pot					
										p	473	Pachyandra 'Green Screen'	Japanese Spurge	#2 pot					
	12	Magnolia x 'Coehary's Belle'	Coehary's Belle Magnolia	6cm cal, B&S	V1	9	Clematis x 'Romana' 'Joel'	White Clematis	#3 pot, staked	pe	204	Pennisetum 'Hemel'	Fountain Grass	#2 pot					
					V3	4	Clematis montana 'Rubra'	Anemone Clematis	#3 pot, staked	858	Thymus 'pseudolanuginosus'	Woolly Thyme	4" pot, 8" O.C.						
					V2	4	Parnassia caerulea 'Ficusoides'	Boston Ivy	#3 pot, staked	12	Polystichum munthum	Western Sweet Fern	#2 pot						
	11	Magnolia x 'Elizabeth'	Elizabeth Magnolia	7cm cal, B&S						520	Waldsteinia ternata	Barn Strawberry	#1 pot						
	9	Pinus banksia 'Vanderwolf's Pyramid'	Ulmir Pine	2.5m Ht, B&S															
	10	Prunus serrulata 'Snow Goose'	White Flowering Cherry	6cm cal, B&S															
	1	Pteris tyrochaeta 'Nipponica'	Fragrant Epiphyllum Tree	5cm cal, B&S															
	12	Stewartia pseudocamellia	Japanese Stewartia	7cm cal, B&S															
	4	Syrax japonica	Japanese Snowbell	7cm cal, B&S															
					Native Planting Areas														
						130	Rubus spectabilis	Salmonberry	#1 pot, 18" O.C.										
						130	Rubus parviflorus	Thimbleberry	#1 pot, 18" O.C.										
						130	Cornus sericea	Red-Outer Dogwood	#1 pot, 18" O.C.										
						240	Gaultheria shallon	Solal	#1 pot, 18" O.C.										
						240	Cornus x 'Kelsey'	Dwarf Red-Outer Dogwood	#1 pot, 18" O.C.										
						240	Symphoricarpos albus	Snowberry	#1 pot, 18" O.C.										
						685	Festuca idahoensis	Bluebunch Fescue	#1 pot, 12" O.C.										
						685	Sedum spathulifolium	Stonecrop	#1 pot, 12" O.C.										
						685	Sedum relaxum	Stonecrop	#1 pot, 12" O.C.										
						685	Castilleja miniata	Indian Paintbrush	#1 pot, 12" O.C.										

Paving Legend	
	18" x 18" Paving Slabs at Private Patio Colour: Natural
	18" x 18" Paving Slabs at Private Patio Colour: Charcoal
	12" x 12" Paving Slabs in Common Walkway Colour: Charcoal
	8" x 4" Holland Paver Colour: Charcoal
	Flagstone Paving
	C.I.P. Concrete Paving Colour: Natural
	Resilient Wood Fiber Play Surface

Landscape Lighting Legend	
	Wall Light
	Light Bollard
	Trellis Down Lighting
	Up Lighting
	Pool Light

### Precedent Images

Common Space with Water Feature

Common Space with Water Feature

Water Feature Spigots

Contemporary Trellis

Common Space Paths and Planting

Street Level Unit Entries

Common Lawn with Adjacent Paths and Planting

Private Patios Adjacent to Public Pathway

Summer Flower Garden

Public Zig-zag Accessible Ramp to Park

Natural Kids Play - Wood Logs

Outdoor Dining Area

Pavilion Trellis at Park Overlook

Fenced Dog Run

Linear Wood Bench

Rain Water Basin with Pebble Base

05	Apr 13, 14	Issued for DPP
04	Feb 12, 14	Issued for DP
03	Nov 22, 13	Issued for ADP
02	Nov 12, 13	Issued for ADP
01	Nov 04, 13	Issued for DP
Rev.	Date	Notes
Revisions:		
Omnicore Inc. Ltd. 102 - 1027 West 5th Avenue Vancouver, BC V6J 1N6 T: 604 684 4607 F: 604 684 0577 www.oci.bc.ca		

Project:  
**The Gardens**

Drawn by:	DWH
Checked by:	JL
Date:	Nov 04, 2015
Scale:	N/A
Drawing Title:	

**Planting / Materials  
Schedule &  
Precedent Images**

Project No.:  
**15051**  
Sheet No.:



# City of Richmond

## Report to Development Permit Panel

---

**To:** Development Permit Panel

**Date:** April 19, 2016

**From:** Wayne Craig  
Director of Development

**File:** TE 16-721775  
DV 16-721776

**Re:** **Application by TM Mobile Inc. (Telus) for a Development Variance Permit  
and Telecommunications Antenna Concurrence at 17080 Cambie Road**

---

### Staff Recommendation

1. That a Development Variance Permit be issued which would vary the provisions of Richmond Zoning Bylaw 8500 to increase the maximum accessory structure height in the "Agriculture (AG1)" zoning district from 20 m (65.6 ft.) to 30 m (98.4 ft.) in order to permit the installation of a telecommunications antenna tower at 17080 Cambie Road; and
2. That Richmond City Council grant concurrence to the proposed telecommunications antenna tower for the site located at 17080 Cambie Road.

  
Wayne Craig  
Director of Development

MM:blg  
Att. (5)



## Staff Report

### Origin

TM Mobile Inc. (Telus) has applied to the City of Richmond for permission to vary Richmond Zoning Bylaw 8500 to increase the maximum height for an accessory structure in the “Agricultural (AG1)” zone from 20 m (65.6 ft.) to 30 m (98.4 ft.) in order to permit the installation of a telecommunications antenna tower on the site at 17080 Cambie Road. Telus has also applied to seek concurrence from the City for the proposed tower as provided under the City’s *Telecommunication Antenna Consultation and Siting Protocol Policy 5045*.

The subject property and the surrounding properties are located within the Agricultural Land Reserve (ALR). The subject site is a 30 ha. (75 acre) farm that is currently cultivated and includes accessory farm buildings and a single-family dwelling. The proposed use is permitted within the “Agricultural (AG1)” zone. The proposal also complies with the Agricultural Land Commission’s requirements for telecommunications towers and, thus, does not require approval for a non-farm use.

The proposed installation will consist of the proposed 30 m (98.4 ft.) antenna tower within a 100 m<sup>2</sup> (1,076 ft<sup>2</sup>) fenced compound containing related telecom equipment to be located within the footprint of an existing farm road near the south (rear) part of the subject property adjacent to Highway 91.

To continue to provide cellular coverage for East Richmond, the subject replacement tower needs to be located within the vicinity of an existing tower to be removed from 4060 No. 7 Road which is also located within the Agricultural Land Reserve. Telus has confirmed that the existing tower will be removed within its written public information package which was accompanied with an affidavit provided to the City.

### Development Information

Please refer to the attached Development Application Data Sheet (Attachment 1) for a comparison of the proposed development data with the relevant bylaw requirements.

### Background

Development surrounding the subject site is as follows:

- To the north, farms zoned “Agriculture (AG1)”.
- To the south, a golf course zoned “Golf Course (GC)”.
- To the east, farms zoned “Agriculture (AG1)”.
- To the west, farms zoned “Agriculture (AG1)”.

### Staff Comments

The proposed scheme attached to this report has satisfactorily addressed the design issues and other staff comments identified as part of the review of the subject Development Variance Permit

application. In addition, the proposal complies with the intent of the applicable sections of the Official Community Plan (OCP) and is in compliance with the "Agriculture (AG1)" zone except for the zoning variance noted below.

*Telecommunication Antenna Consultation and Siting Protocol Policy 5045* (Protocol) requires that those constructing telecommunications towers over 15 m (49.2 ft.) also submit applications to seek concurrence from City Council. For such proposals also requiring a zoning variance, the City's Protocol provides that the application be reviewed by the Development Permit Panel. Innovation, Science and Economic Development Canada (ISED), the federal agency that grants approvals for telecommunications installations, requires that proponents seek concurrence from local governments prior ISED considering approval for installations.

### **Zoning Compliance/Variations** (staff comments in **bold**)

The applicant requests to vary the provisions of Richmond Zoning Bylaw 8500 to increase the maximum accessory structure height in the "Agriculture (AG1)" zoning district from 20 m (65.6 ft.) to 30 m (98.4 ft.).

***Staff do not have concerns with the proposed height variance as the proposed tower replaces an existing 26m (85.3 ft. ) tall lattice frame tower located at 4060 No. 7 Road which includes a larger compound and will free up that land for farming when removed from the ALR. The proposed tower is also a more slender monopole-style antenna tower which would be similarly visible to a 20 m (65.6 ft.) tower as permitted under the zoning.***

### **Analysis**

#### *Conditions of Adjacency*

- The subject property is located within an area of East Richmond; with large farms located within the ALR.
- A Riparian Management Area (RMA) with a 15.0 m (49.2 ft.) setback straddles the south property line with Highway 91.

#### *Urban Design and Site Planning*

- The proposed tower is a relatively slender monopole design instead of more obtrusive lattice frame towers.
- The antennas attached to the proposed tower are flush mounted, as opposed to a "pinwheel" type of installation; with more visible, expansive antennas extending up to 3.0 m (9.8 ft.) out from the monopole (see photo simulations in Attachment 2).
- The proposed tower compound is located 12.5 m (41.0 ft.) from the southern property line, and just outside of the RMA setback so as to limit interference with the farm operations. The applicant has obtained a qualified environmental professional (QEP) report that reviews the proposal and ensures that there are no impacts on the adjacent RMA.
- The vegetation within the RMA also provides screening of the 100 m<sup>2</sup> (1,076 ft<sup>2</sup>) tower compound.
- The proposal also includes the planting of 2.5 m (8.2 ft.) high Cedar hedge plants adjacent to the chain link fence that surrounds the compound.



***Public Consultation***

The City's Protocol requires that the applicant undertake pre-application consultation to seek public comments and that the proposed installation be referred to the City's Agricultural Advisory Committee (AAC) for comment.

As required by the Protocol, the applicant's pre-application public consultation included the following:

- Written notices were sent to owners and occupants of properties within a radius of six (6) times the tower height from the base of the antenna pole prior to the City's Development Variance Permit (DVP) application notification. On this basis, notices were direct-mailed to owners and occupiers within a 180 m (591 ft.) radius of the proposed antenna location based on a mailing list provided by the City.
- Advertisements were placed in the *Richmond News*, notifying the public of the proposed telecommunications facility being published February 12, 2016 and February 19, 2016. The public consultation period commenced at the time of second advertisement; with the public provided 31 days to comment up to March 21, 2016.

Following the above process, Telus has confirmed that no public correspondence or comments had been received (Attachment 3) during the comment period.

The application was also referred to the February 4, 2016 meeting of the Agricultural Advisory Committee (AAC), which passed the following recommendation:

*That the DVP application be supported subject to ensuring that no future limitation to the agricultural activity by the establishment. (see Attachment 4 for the full AAC minutes).*

The applicant followed up on the above recommendation and subsequent questions from the AAC Chair regarding the proposed tower possibly interfering aircraft used for spraying of nearby cranberry farms and the use of an "un-published" air strip located immediately to the east of the subject site.

Telus engaged an agrologist, Upland Consulting, who prepared a report dated April 13, 2016 (Attachment 5). The report concludes that the proposed tower would not have a serious negative impact on the ability of nearby cranberry fields to receive aerial application of fertilizer. The consultant received input from a fixed-wing aircraft operator and cranberry producer familiar with the site (Todd May), NAV Canada staff, and a neighbouring cranberry producer (Columbia Cranberry Ltd.). It should be noted that no other comments were received as a result of the applicant's initial mail notification to nearby property owners/occupiers or the two (2) newspaper advertisements.

Nav Canada has also confirmed with Telus that they have no comments and jurisdiction in regards to the subject air strip.

In addition to the above consultation required under the Protocol, the City's standard 50 m (164 ft.) notification radius from sites with Development Variance Permit (DVP) applications, the DVP notice was sent to all owners and occupiers to the above-noted larger 180 m (591 ft.) radius from the antenna tower.

### Conclusions

The proposed scheme attached to this report has satisfactorily addressed the siting and consultation requirements of the City's Protocol identified previously as part of the review of the subject Development Variance Permit application. In addition, the proposed tower installation complies with the "Agricultural (AG1)" zone except for the proposed accessory structure height variance.

Furthermore, staff support the revised application as the Telus proposal has been located so as to be not impact agriculture while being located outside of the Riparian Management Area (RMA). Therefore, staff recommends that the proposed Development Variance Permit be supported and forwarded to Council for consideration of issuance and providing concurrence following the City's *Telecommunication Antenna Consultation and Siting Protocol Policy 5045*.



Mark McMullen  
Senior Coordinator - Major Projects  
(604-276-4173)

MM:blg

The following are to be met prior to forwarding this application to Council for approval:

Prior to future Building Permit issuance, the developer is required to complete the following:

- The applicant is required to obtain a Building Permit for any construction hoarding associated with the proposed development. If construction hoarding is required to temporarily occupy a street, or any part thereof, or occupy the air space above a street or any part thereof, additional City approvals and associated fees may be required as part of the Building Permit. *For further information on the Building Permit, please contact Building Approvals Department at 604-276-4285.*
- Submission of a construction traffic and parking management plan to the satisfaction of the City's Transportation Department (<http://www.richmond.ca/services/ttp/special.htm>).
- Final review of the applicant's qualified environmental professional report to ensure protection of the adjacent Riparian Management Area to the satisfaction of Environmental Sustainability staff.





# City of Richmond

## Development Application Data Sheet

Development Applications Division

**TE16-721775 / DV16-721776**

**Attachment 1**

Address: 17080 Cambie Road

Applicant: TM Mobile Inc. (Telus)

Owner: Daniel and Donna Keefer

Planning Area(s): East Richmond

Floor Area Gross: 100 m<sup>2</sup> compound area

Floor Area Net: 100 m<sup>2</sup> compound area

	Existing	Proposed
<b>Site Area:</b>	100 m <sup>2</sup> compound area	100 m <sup>2</sup> compound area
<b>Land Uses:</b>	Agricultural	Agricultural
<b>OCP Designation:</b>	Agriculture	Agricultural
<b>Zoning:</b>	Agricultural (AG1)	Agricultural (AG1)
<b>Number of Units:</b>	N/A	N/A

On Future Subdivided Lots	Bylaw Requirement	Proposed	Variance
Floor Area Ratio:	0.6	<0.6	none permitted
Lot Coverage:	Max. 35%	<35%	none
Setback – Front Yard: Accessory Structure	Min. 7.5 m	>7.5 m	none
Setback – Side Yard: Accessory Structure	Min. 4.5 m	>4.5 m	none
Setback – Side Yard: Accessory Structure	Min. 4.5 m	>4.5 m	none
Setback – Rear Yard: Accessory Structure	Min. 4.5 m	>4.5 m	none
Height (m): Accessory Structure	Max. 20 m	30 m	<b>Variance to increase to 30 m</b>
Lot Size:	30.0 ha.	30.0 ha.	none
Off-street Parking Spaces – Regular/Commercial:	2	2	none
Off-street Parking Spaces – Accessible:	n/a	n/a	none
Total off-street Spaces:	n/a	n/a	none
Tandem Parking Spaces	n/a	n/a	none
Amenity Space – Indoor:	n/a	n/a	none
Amenity Space – Outdoor:	n/a	n/a	none





Schedule A – Photo Simulations

Looking East along Highway 91 (approx. 670m west of proposed tower location)



Looking West along Highway 91 (approx. 445m east of proposed tower location)





Looking Northeast from Highway 91 (approx. 70m southwest of proposed tower location)





City of Richmond

Minutes

## AGRICULTURAL ADVISORY COMMITTEE (AAC)

Held Thursday, February 4, 2016 (7:00 pm)

M.2.002

Richmond City Hall

### In Attendance:

Todd May(Co-Chair); Doug Wright; Scott May; Janet Langelaan; Kyle May; Teresa Murphy; Robert Savage; Councillor Harold Steves; Minhee Park (Policy Planning); Terry Crowe (Policy Planning); Dieter Geesing (Ministry of Agriculture)

### Regrets:

Steve Easterbrook(Co-Chair); Krishna Sharma; Colin Dring; Tony Pellett (Agricultural Land Commission)

### 1. Election of AAC Co-Chairs

Members nominated Todd May and Stephen Easterbrook to serve as AAC co-chairs for 2016. No additional nominations were forwarded. As a result, the following motion was passed:

*That Todd May and Stephen Easterbrook serve as Agricultural Advisory Committee co-chairs for 2016.*

*Carried unanimously*

### 2. Adoption of the Agenda

Information item about the George Massey Tunnel Replacement project was added as item 5.1 to the agenda. The February 4, 2016 AAC Agenda was adopted as amended.

### 3. Development Proposal – Telecommunication Tower 17080 Cambie Road

Staff provided an overview of the Development Variance Permit application to relocate an existing telecommunication tower located on the property at 4060 No. 7 Road to the subject property at 17080 Cambie Road. Staff noted that, as the proposed footprint area of the building and equipment does not exceed 100 m<sup>2</sup>, a non-farm use application to the ALC is not required.

The Committee invited the proponent to the table. The proponent provided a handout which showed the location of existing infrastructure and other potential locations considered:



The Committee had the following questions and comments:

- In response to Committee's question about the reason for the proposed relocation, the proponent explained that the contract with the owner is up for renewal, and the owner decided not to renew the contract.
- Committee asked if the current location would be remediated and returned to farming. The proponent said he could not speak for the owner but believed that it was the owner's intention to return it to farming.
- Committee asked how often maintenance would be required. The proponent explained that it will require maintenance a few times a year and the internal road will be used for access.
- Committee asked about the height of the proposed tower compared to the existing one. The proponent noted that the height of the existing tower is 26.8m and the height of the proposed tower is 30m which is in line with other existing structures in the area. The proponent also noted that the design will change to a monopole tower so there will be less visual impact.
- Committee asked if there would be any farming activities that may be impacted by the installation of the tower, and if there is any aerial operation conducted by the farmer. The proponent said they ensure the safe distance from the compound and they have no authority except for the area they are allowed to be utilized for the tower.
- Committee asked the proponent to provide clarification on the regulations of aerial application and requested Transport Canada's regulations around the proposed tower construction and its impact on current agricultural practices be provided.

As a result of discussion, the Committee passed the following motion:

*That the DVP application be supported subject to ensuring that no future limitation to the agricultural activity by the establishment.*

*Carried Unanimously*

The Committee noted that if the limitation exceeds the compound area, the application should return to the AAC for reconsideration.

#### **4. Development Proposal – Rezoning 8480 No. 5 Road**

Staff provided a brief overview of the rezoning application at 8480 No. 5 Road to develop a new Buddhist temple. The Chair invited the applicants and the project architect to the table.

The Committee had the following questions and comments:

- The Committee asked further information about the site context and properties around the site.



Real Estate and Government Affairs  
 TELUS | Wireless Network – BC  
 3 – 4535 Canada Way, Burnaby, BC V5G 1J9  
 jon.leugner@telus.com  
 604 828 7859 Mobile

**March 31, 2016**

**Mark McMullen**  
 Senior Coordinator  
 Planning and Development  
 City of Richmond  
 6911 No. 3 Road  
 Richmond, BC  
 V6Y 2C1

Dear Mr. McMullen:

**RE: Summary of intent to relocate existing Telecommunications Infrastructure** from 4060 No 7 Road to 17080 Cambie Road – TELECOMMUNICATIONS ANTENNA CONSULTATION AND SITING – RESULTS OF PUBLIC CONSULTATIONS  
**Site Coordinates: 49° 10' 39.1" N, 123° 01' 57.5" W**  
**Telus File: BC2871 – Cambie/No. 7 Rd**

Pursuant the TM Mobile Inc. (TELUS) submission dated January 13, 2016, which officially commenced Innovation, Science and Economic Development Canada's (ISED) (formerly Industry Canada) recommended 120-day consultation period for a relocation of a telecommunications antenna installation, TELUS is pleased to notify the City of Richmond that it has completed the prescribed public consultation requirements by ISED and by the City of Richmond.

We have attached for your reference:

1. the list of owners/occupants who were mailed notification packages for the proposed tower, which list was provided by the City of Richmond;
2. an affidavit confirming those notifications were sent and a copy of the notification; and
3. tear sheets of the advertisements placed in the Richmond News, notifying the public of the proposed telecommunications facility being published February 12<sup>th</sup> and 19<sup>th</sup>, 2016.

Officially the public consultation process commenced on the last of the two advertisements placed in the Richmond News, being February 19<sup>th</sup>, 2015 where TELUS provided the public 31 days to respond or comment on the proposal.

Following the publishing of the public notices and posting of the notifications sent to neighbouring properties, TELUS can confirm that no correspondence of any nature was received by the public or neighbouring properties during the consultation period.

TELUS is requesting that the City of Richmond proceed to have the proposal considered at its next DP panel meeting to allow for the 30m monopole structure, being requested is a 10m variance over the





accessory structure height allowance under AG-1 zoning and have the City conduct its notification procedure for such a variance application pursuant to the City's Telecommunication Antenna Consultation and Siting Protocol.

Should you have any questions or concerns regarding the above and enclosed, please feel free to contact me directly at 604-828-7859.

Thank you,

A handwritten signature in black ink, appearing to read 'Jon Leugner'.

Jon Leugner  
TELUS Real Estate and Government Affairs

Encls. Affidavit, Notification Package, List of Properties notified, Public Notices published in the Richmond News

CC: Daniel Stanley Keefer and Donna Keefer, (Owners) and Arthur Lo, ISED

Affidavit of TM MOBILE INC. ("TELUS Communications Inc.")

I, Jonathon Leugner, Real Estate Manager in the City of Burnaby in the Province of B.C., make an Oath and Say:

1. THAT I caused to be sent by regular mail a notification letter, as included in Appendix A, to property owners, occupants and other recipients, as listed in Appendix B, on February 12<sup>th</sup>, 2016.

  
\_\_\_\_\_  
Jonathon Leugner, Real Estate Manager

TELUS Communications Inc.

Sworn/Affirmed/Declared before me at the City of Burnaby, in the Province of B.C., this 29<sup>th</sup> day of March, 2016.

  
\_\_\_\_\_  
(Commissioner's Signature)

A Commissioner for Taking Affidavits for the Province of B.C.

Debra S. Pankratz  
Commissioner for Taking Affidavits  
in British Columbia  
2-3500 Gilmore Way, Burnaby, BC  
V5G 4W7  
Expires: June 30, 2018

\_\_\_\_\_  
(Commissioner's stamp or printed name and expiry date)



BC2871

Appendix A: Notification Letter



February 12, 2016

Dear Resident/Landowner,

**Subject:** Proposed Relocation of TELUS Radiocommunications Facility (30m Monopole Tower)

**Coordinates:** 49° 10' 39.1" N, 123° 01' 57.5" W

**Civic/Legal Description of Site:** 17080 Cambie Road in the City of Richmond and legally described as WEST HALF SECTION 36 BLOCK 5 NORTH RANGE 5 WEST EXCEPT: FIRSTLY: PART SUBDIVIDED BY PLAN 24332 SECONDLY: PART ON STATUTORY RIGHT OF WAY PLAN NWP88278 NEW WESTMINSTER DISTRICT  
**TELUS FILE:** BC2871 – Cambie/No. 7 Road

---

Wireless technology is becoming increasingly important as many Canadians rely on their mobile devices for communication, work, and personal safety and security, including travel safety. TELUS is planning a relocation of a telecommunications tower currently located at 4060 No. 7 Road, Richmond to the property having a civic address of 17080 Cambie Road in order to maintain wireless coverage in the area as well as along Highway 91.

#### **Proposal**

The proposed site is located north of Highway 91 with access from Cambie Road in the City of Richmond and located at the following coordinates: 49° 10' 39.1" N, 123° 01' 57.5" W. The new location and site will replace the existing 26.8m lattice tower with a 30m triangular lattice tower. The facility will include an equipment building and compound chain link fence around the tower itself. The site will be powered by existing power to the property that would be trenched underneath existing roadways on the property to the site.

#### **Authority**

Innovation, Science and Economic Development Canada (formerly Industry Canada) regulates the placement of wireless telecommunications facilities. The requirements for carriers are set out in Industry Canada's circular, CPC-2-0-03 (CPC) for telecommunications carriers. The process can be found on-line at:

[http://www.ic.gc.ca/eic/site/smt-gst.nsf/vwapj/cpc2003-issue4e.pdf/\\$FILE/cpc2003-issue4e.pdf](http://www.ic.gc.ca/eic/site/smt-gst.nsf/vwapj/cpc2003-issue4e.pdf/$FILE/cpc2003-issue4e.pdf)

#### **Consultation**

The CPC notes that carriers are to follow the Land Use Authority's process for telecommunications sites. The City of Richmond (the City) is the land use authority in this instance where the City has its own telecommunications siting protocol, named the "Telecommunication Antenna Consultation and Siting Protocol" – a copy of which may be obtained by directly contacting the City. TELUS, as the carrier, is required as form of consultation to follow the Land Use Authority's protocol insofar that jurisprudence will allow for.





Under the City process, TELUS must consult with the land use authority (the City), the general public via a public notice in the local paper for two consecutive weeks, and with any property owners within six times the tower height or adjacent property owners if no other property is located within 6 times the height of the tower. You are being notified of this proposed relocation of a telecommunications facility from a mailing address list provided to TELUS by the City.

The public at large will be notified via a public notice in the Richmond News which will circulate for 2 consecutive weeks. Representatives from the City and Innovation, Science and Economic Development Canada have also been notified as part of our application.

The public will then have 30 days from the publication date of the second notice to submit comments and questions to TELUS. We will acknowledge receipt of comments and questions received within 14 days and address all relevant and reasonable concerns within 60 days. The commenting member of the public will then have 21 days to reply to the response. A summary of all comments received during the 30 day period and our responses are then submitted to Innovation, Science and Economic Development Canada.

#### **Site Details**

1. *Purpose* – The purpose of the proposed tower is to relocate an existing tower in TELUS' wireless network in the city of Richmond from 4060 No. 7 Road to the proposed location.
2. *Location* – The tower will be located on the property of 17080 Cambie Road, being legally described as WEST HALF SECTION 36 BLOCK 5 NORTH RANGE 5 WEST EXCEPT: FIRSTLY: PART SUBDIVIDED BY PLAN 24332 SECONDLY: PART ON STATUTORY RIGHT OF WAY PLAN NWP88278 NEW WESTMINSTER DISTRICT. No existing antennas or towers have been identified to meet the coverage objectives for this relocation, thus a new structure is required to be constructed. The geographical coordinates of the site are 49° 10' 39.1" N, 123° 01' 57.5" W. Please see **Appendix 1** for the Site Location, **Appendix 2** for the Tower Profile, **Appendix 3** for the Site Plan and **Appendix 4** for the Enlarged Site Plan and **Appendix 5** for the Site Layout.
3. *Safety Code 6* – Innovation, Science and Economic Development Canada requires all wireless carriers to operate in accordance with Health Canada's safety standards. TELUS affirms that the tower described in this notification package will be installed and operated on an ongoing basis so as to comply with Health Canada's Safety Code 6 including combined effects with the local radio environment, as may be amended from time to time.
4. *Site Access* – Access to the site will be available through existing access from Cambie Road and existing access roads on the property to the site. Please refer to Appendix 3 for the access route.
5. *Canadian Environmental Assessment Act* – TELUS affirms that the installation is excluded from environmental assessment under the Canadian Environmental Assessment Act.
6. *Design* – The site is for a 30m monopole tower. The monopole tower will receive power from existing supply on the property but rerouted by trenching below existing access roads to the site.



7. *Transport Canada* – The tower will be marked in accordance with the Department of Transportation and NAV Canada requirements.
8. *Structural Considerations* – TELUS affirms that the antenna structure described in this notification package will apply good engineering practices including structural adequacy during construction.
9. *Contacts*

**TELUS:**

Jon Leugner  
Real Estate and Government Affairs Manager  
3-4535 Canada Way  
Burnaby, BC, V5G 1J9  
(604) 828-7859  
Email: Jon.leugner@telus.com

**Innovation, Science and Economic Development Canada:**

Arthur Lo  
Spectrum Manager  
(604) 930-8691 ext.117  
Email: Arthur.lo@canada.ca

**Regional District of Mount Waddington**

Mark McMullen  
Senior Coordinator – Major Projects  
Development Applications  
City of Richmond  
(604) 276-4173  
Email: MMcMullen@richmond.ca

Should you have any specific questions regarding the proposal, please be in touch with any of the above mentioned contacts, or return the comment sheet by mail to TELUS.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jon Leugner'.

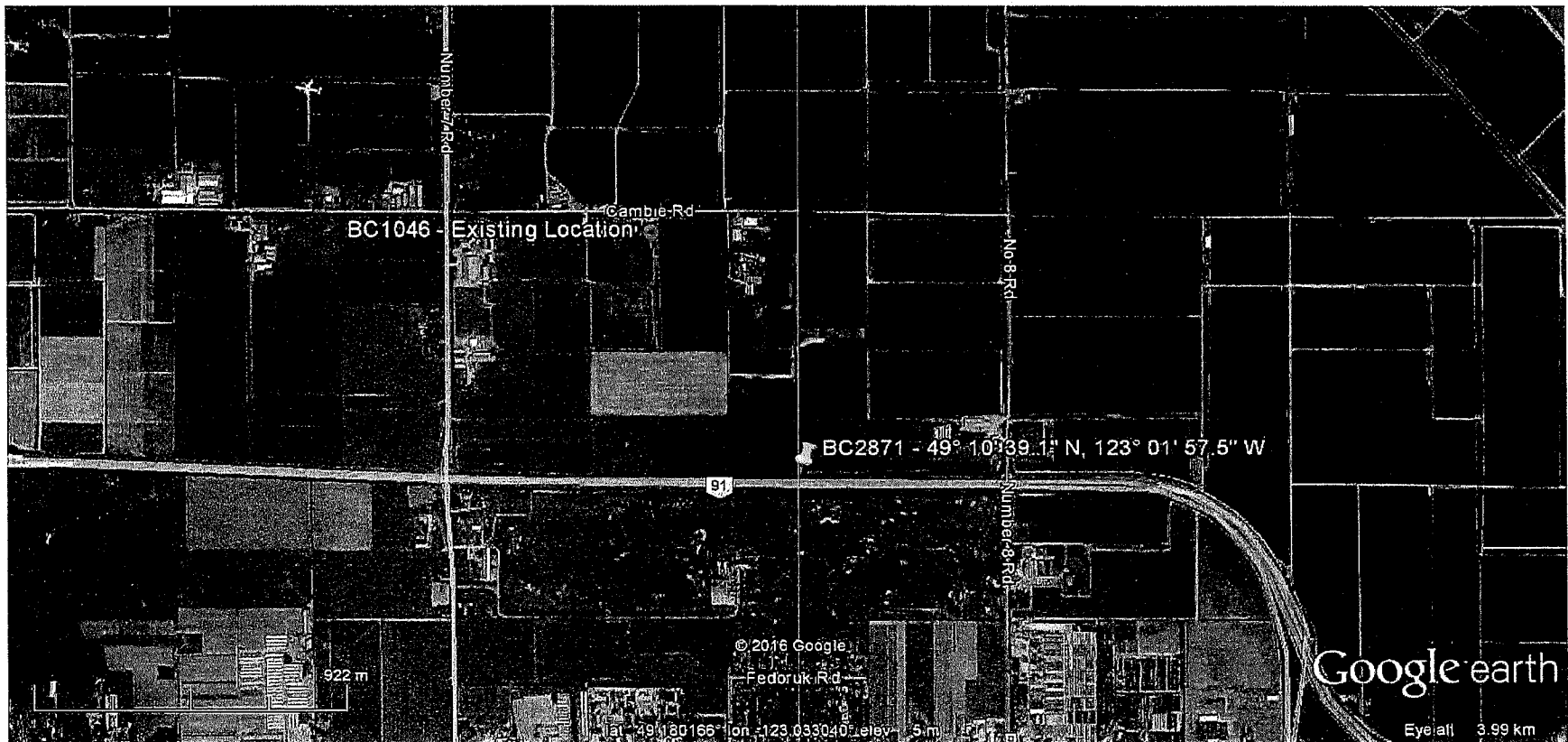
Jon Leugner  
TELUS Real Estate and Government Affairs



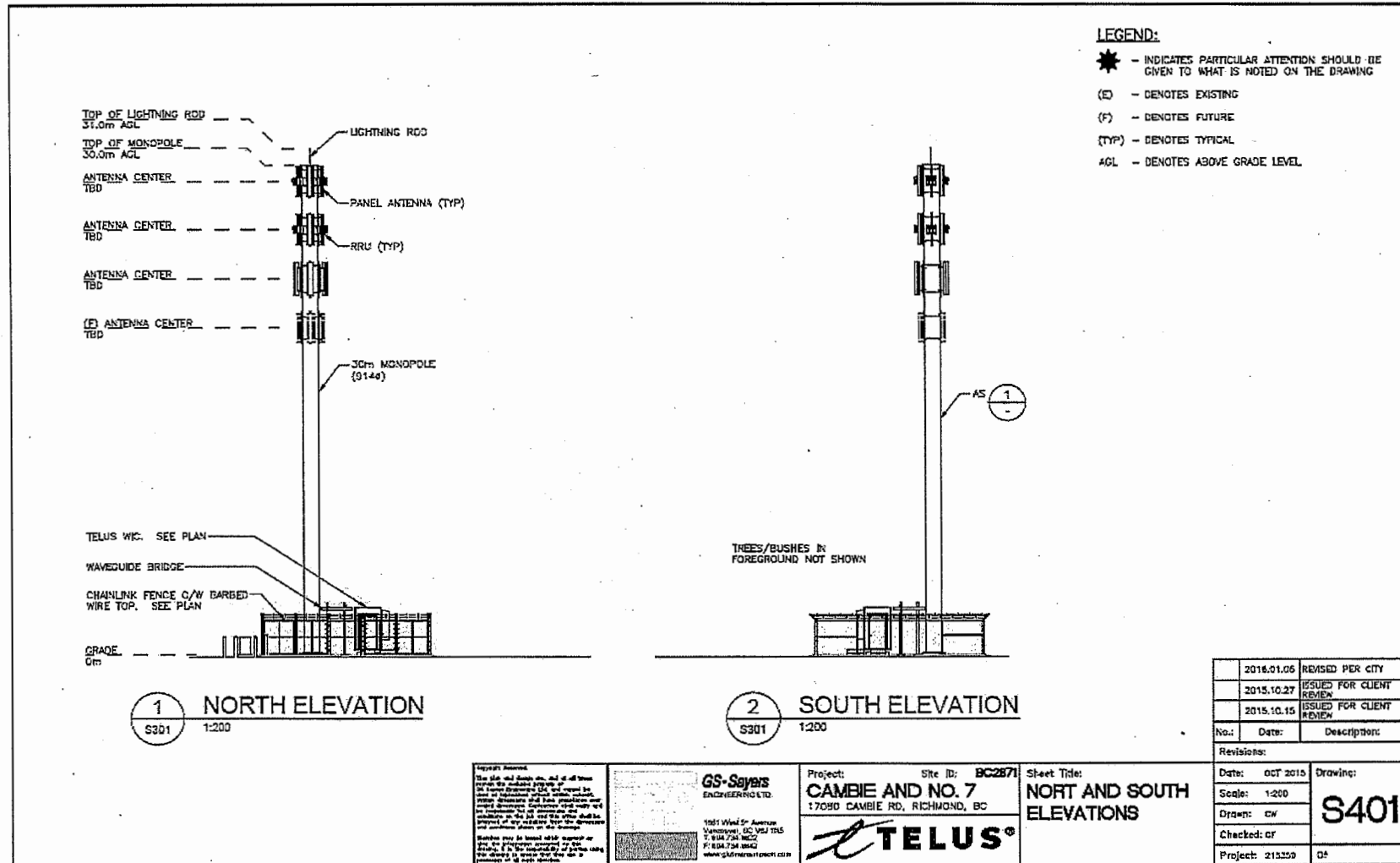


#### Appendix 1 –

- Existing Site Location - Labelled « BC1046 – Existing Location »
- New Site Location – Labelled « BC2871 - 49° 10' 39.1" N, 123° 01' 57.5" W »



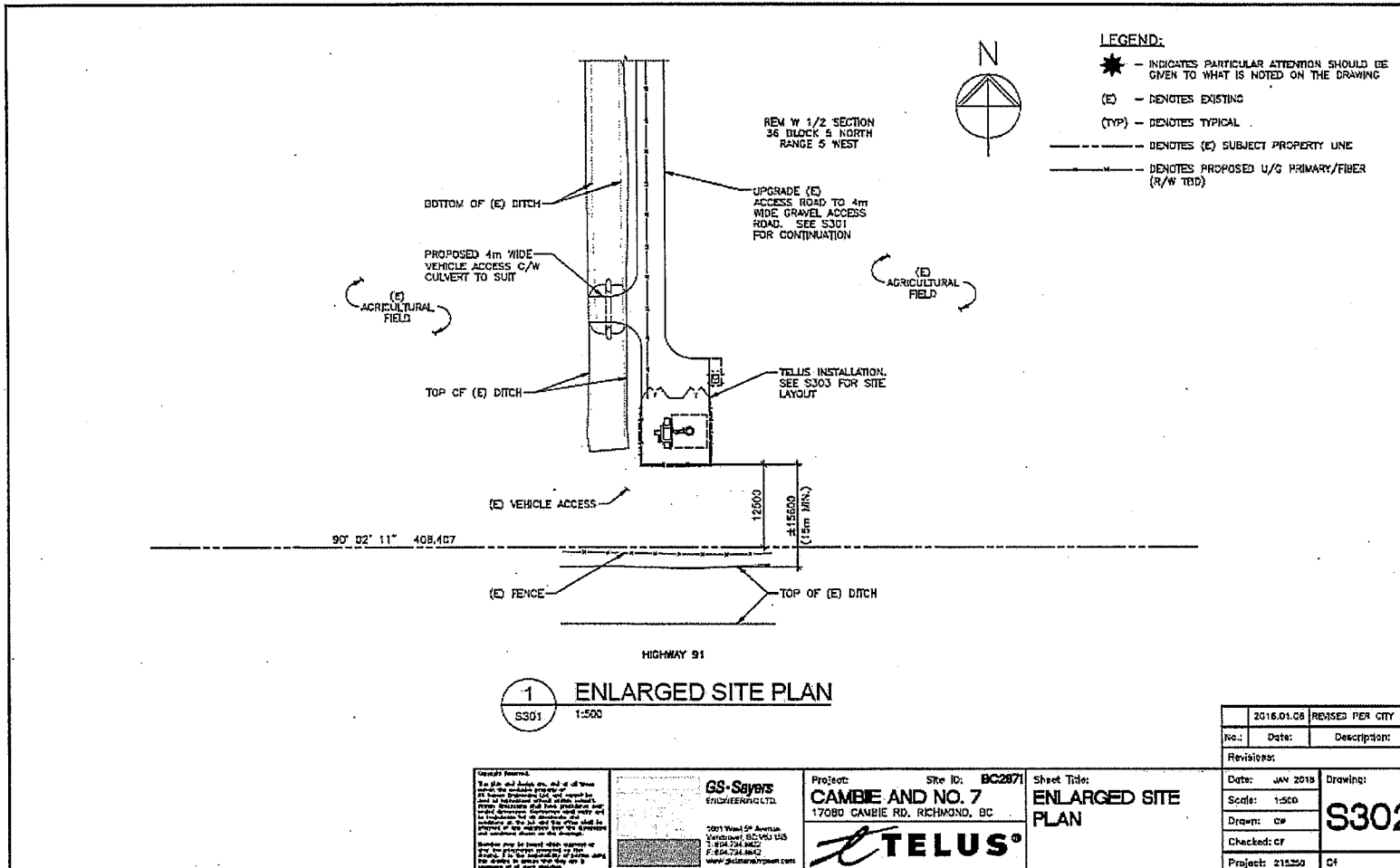
## Appendix 2 – Tower Profile





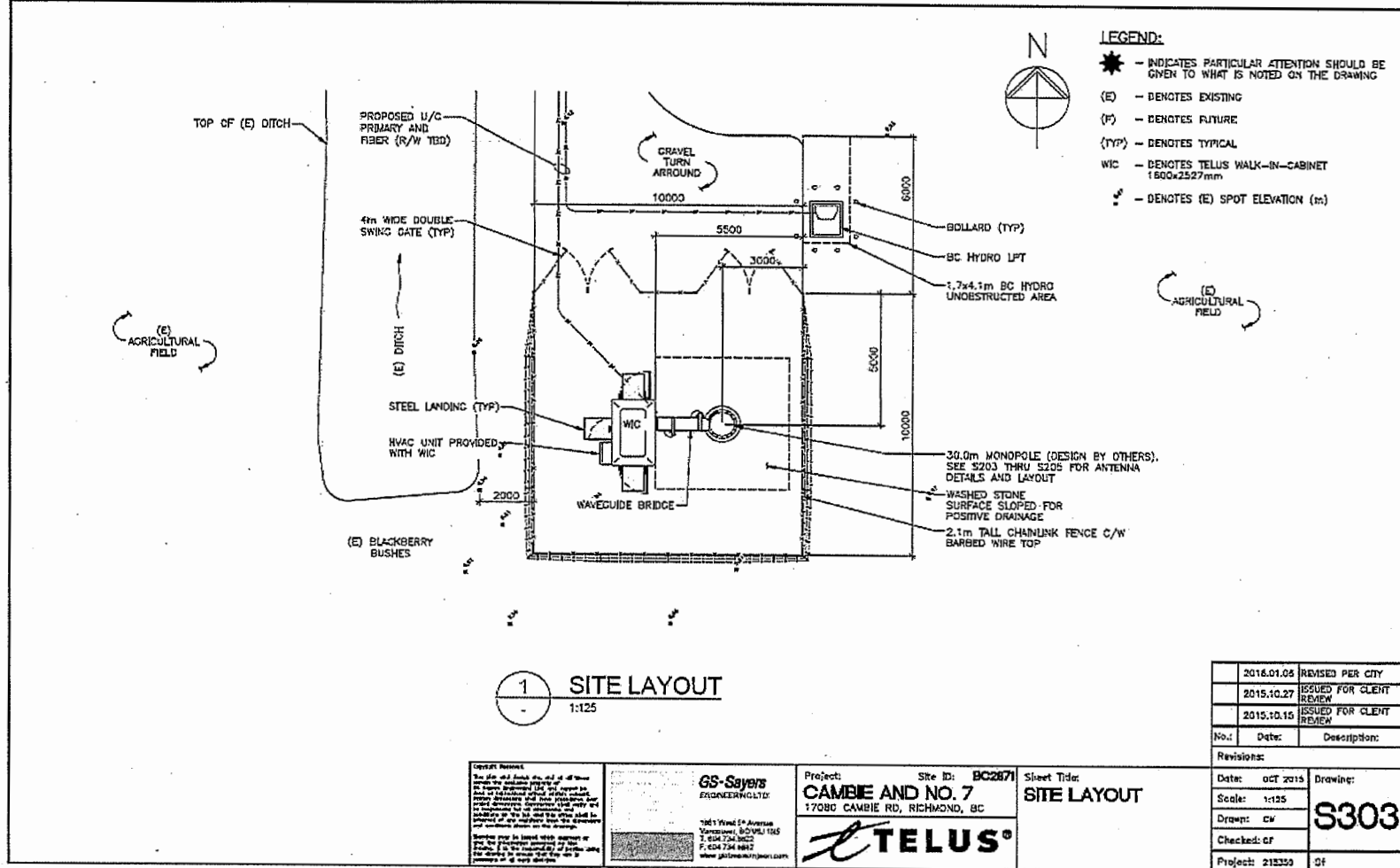


## Appendix 4 – Enlarged Site Plan





## Appendix 5 – Site Layout





## COMMENT SHEET

### PROPOSED TELECOMMUNICATIONS TOWER

49° 10' 39.1" N, 123° 01' 57.5" W  
City of Richmond

TELUS FILE: BC2871 – Cambie/ No.7 Road

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1. Are you a cellular phone or wireless device user?

☐ Yes

☐ No

2. Do you feel this is an appropriate location for the proposed facility?

☐ Yes

☐ No

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Are you satisfied with the appearance / design of the proposed facility? If not, what changes would you suggest?

☐ Yes

☐ No

Comments

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





Additional Comments:

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Please provide your name and full mailing address if you would like to be informed about the status of this proposal. This information will not be used for marketing purposes;

Name: \_\_\_\_\_

(Please print clearly)

Mailing Address

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Email: \_\_\_\_\_

Please mail to 3-4535 Canada Way, Burnaby, BC, V5G 1J9

ATTENTION: Jon Leugner

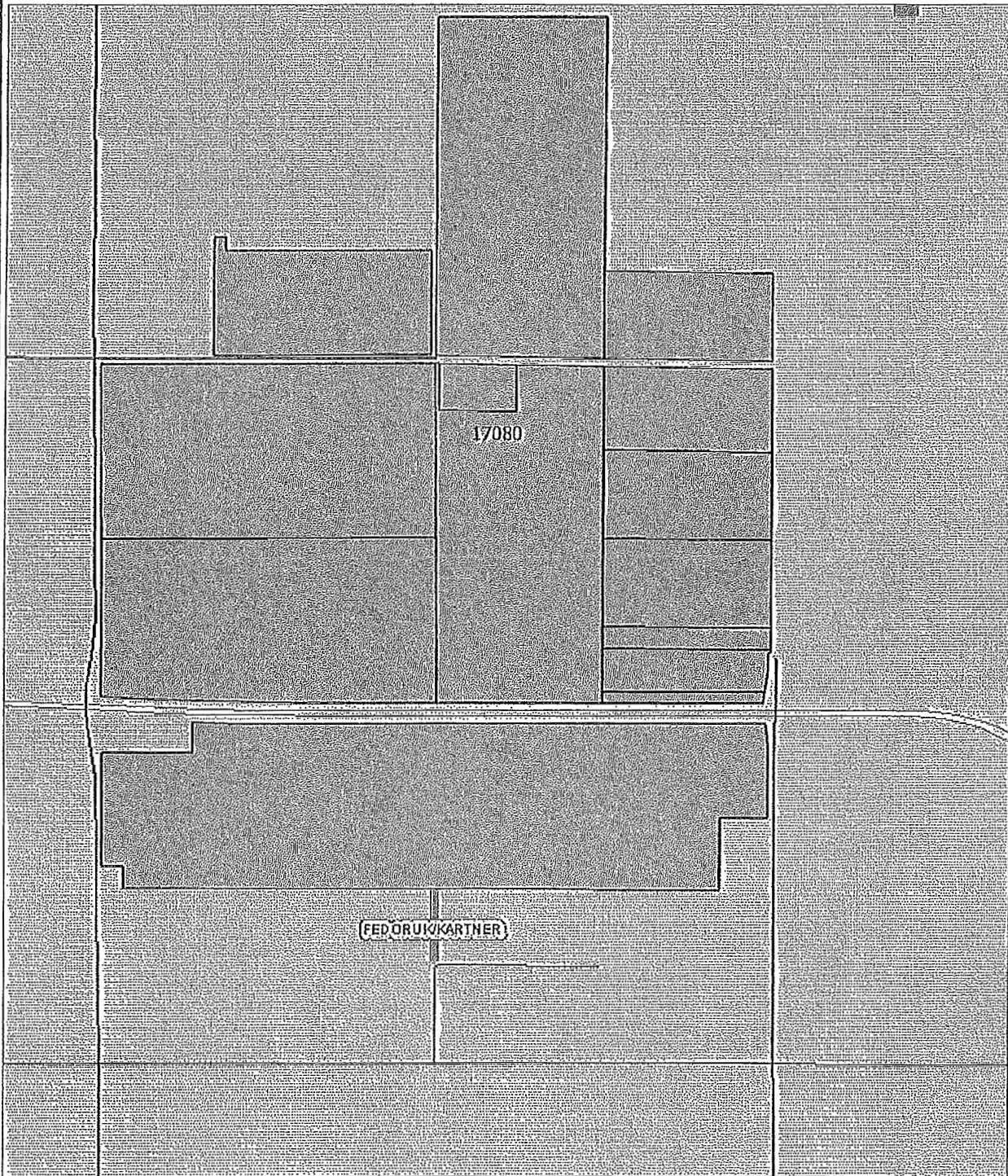
*Thank you for your input.*

Appendix B: List of Property Owners, Occupants and Other Recipients



Property RSN	Property Roll	Property Address	Property type	Owner type	Name1	Name2	Address1	Address2	Postal
58994	014575001	5400 NO 7 RD	Property	A	1007665 BC LTD		1030 GEORGIA ST W	VANCOUVER BC	V6E 2Y3
1982	044354433		No Access Property	R	MAYBOG FARMS LTD		15411 CAMBIE RD	RICHMOND BC	V6V 1T3
130561	043564878	16200 CAMBIE RD	Additional Address	O	OCCUPANT		16200 CAMBIE RD	RICHMOND BC	V6V 1H1
67397	043564878	16280 CAMBIE RD	Additional Address	O	OCCUPANT		16280 CAMBIE RD	RICHMOND BC	V6V 1H1
1562	038000099	16351 CAMBIE RD	Property	O	OCCUPANT		16351 CAMBIE RD	RICHMOND BC	V6V 1G9
1977	043564878	16200 CAMBIE RD	Property	R	A R SAVAGE FARMS LTD		16400 CAMBIE RD	RICHMOND BC	V6V 1H1
1977	043564878	16200 CAMBIE RD	Property	R	ATCHISON FARMS LTD		16400 CAMBIE RD	RICHMOND BC	V6V 1H1
67399	043880193	17040 CAMBIE RD	Additional Address	O	OCCUPANT		17040 CAMBIE RD	RICHMOND BC	V6V 1H1
1979	043880193	17040 CAMBIE RD	Property	R	KEEFER DANIEL S	KEEFER DONNA	17080 CAMBIE RD	RICHMOND BC	V6V 1H1
1978	043879000	17100 CAMBIE RD	Property	R	MAY RICHARD G	MAY SHERRY D	17100 CAMBIE RD	RICHMOND BC	V6V 1H1
1552	037407086		Property	R	GLEN MAY FARMS LTD		17100 CAMBIE RD	RICHMOND BC	V6V 1H1
1977	043564878	16200 CAMBIE RD	Property	R	SAVALE FARMS LTD		4060 NO 7 RD	RICHMOND BC	V6V 1R5
1976	043247563	4500 NO 7 RD	Property	A	SAVAGE HOLDINGS LTD		4291 NO 7 RD	RICHMOND BC	V6V 1R6
1977	043564878	16200 CAMBIE RD	Property	A	RHONDALE FARMS LTD		4491 NO 7 RD	RICHMOND BC	V6V 1R6
1976	043247563	4500 NO 7 RD	Property	O	OCCUPANT		4500 NO 7 RD	RICHMOND BC	V6V 1R5
52530	044434092	4811 NO 8 RD	Property	O	OCCUPANT		4811 NO 8 RD	RICHMOND BC	
58994	014575001	5400 NO 7 RD	Property	O	OCCUPANT		5400 NO 7 RD	RICHMOND BC	V6V 1R7
76438	014575001	5460 NO 7 RD	Additional Address	O	OCCUPANT		5460 NO 7 RD	RICHMOND BC	V6V 1R7
1549	036854166		Property	R	COLUMBIA CRANBERRY	ATTN: ALLEN G MAY SEC	16785 27 AVE	SURREY BC	V3Z 9X1

# 17080 Cambie Road



608.8 0 304.40 608.8 Meters

© City of Richmond

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION





April 13, 2016

To: Mr. Jon Leugner  
Real Estate and Government Affairs  
TELUS | Wireless Network – BC  
3-4535 Canada Way, Burnaby, BC V5G 1J9

**Re: Agricultural Impact Assessment for Proposed TELUS Communications Tower at 17080 Cambie Rd.**

Mr. Leugner,

Please accept this Agricultural Impact Assessment (AIA) on behalf of Upland Agricultural Consulting Ltd. This memo outlines results from an investigation regarding potential impacts to aerial fertilizer application to cranberry fields as a result of a proposed communications tower at 17080 Cambie Rd (Keefer Farms and Greenhouse).

The consultant visited the property and conducted interviews with the owner of Keefer Farms & Greenhouse, local aerial application operators, a local cranberry operator, and Ministry of Agriculture staff. We have determined that the proposed tower poses no significant concerns for the ability of the farm to continue to receive helicopter applications of fertilizer, or for farms in the area to continue to receive aerial applications of fertilizer. However, consideration should be given to the existence of an unpaved fixed wing aircraft runway that extends into Mr. Keefer's corn fields. This consideration may include continuing conversations between Mr. Keefer and the owner/operator of the private runway. It remains unclear as to whether the users of the unpaved runway would be impacted by the proximity of the proposed tower. Other tall structures, such as hydro poles, trees, and golf course netting, were noted in the vicinity of the proposed site. Determining whether aircraft operation and aviation safety could be impacted by the proposed tower location was outside the scope of this assessment.

Details of this assessment are outlined in the attached memo. If you require any further information, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ione Smith". The signature is stylized, with the first letters of the first and last names being capitalized and prominent.

Ione Smith, BSc, MSc, PAg  
Director  
Upland Agricultural Consulting Ltd  
778-999-2149  
[ione@uplandconsulting.ca](mailto:ione@uplandconsulting.ca)







### Current Land Uses on the Site

The site was visited by Ione Smith, PAg, on Wednesday March 23, 2016. A tour of a portion of the farm was provided by the owner and operator, Dan Keefer. Mr. Keefer indicated the TELUS right of way (access road) and the proposed tower site. The land was ground truthed by the consultant and photos were obtained. At the time of the visit crops on either side of the proposed tower site were corn (harvested). There were cranberry fields to the north of corn fields as indicated in Figure 3. Along the southern boundary of the property many mature trees were also noted, as well as hydro poles. Mayfair Lakes Golf and Country Club is located directly across the highway and there were nets erected to prevent balls from reaching the highway.



Figure 2. Proposed location of the tower on the property.

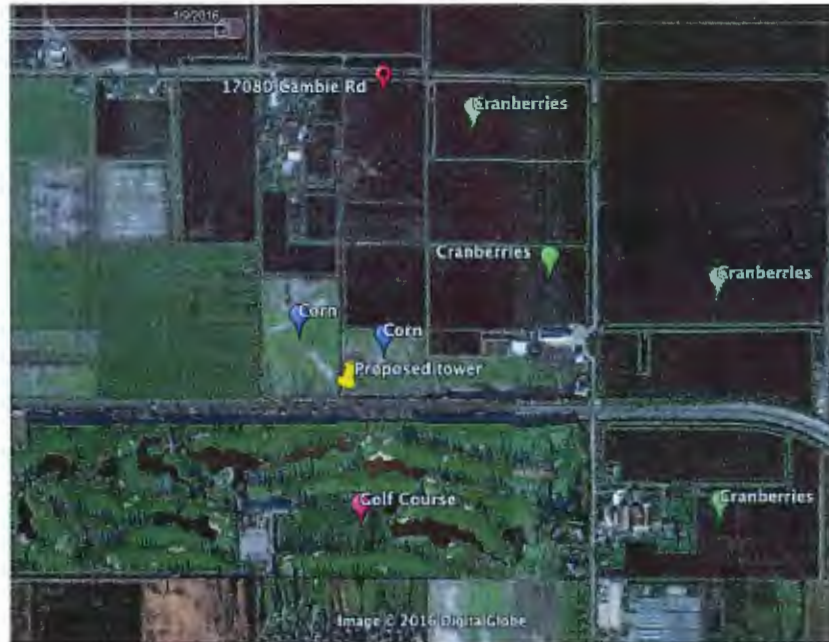


Figure 3. Land uses near to the proposed tower site. Note corn, cranberries, Highway 91, and golf course in close proximity.



Figure 4. View of proposed tower site looking South towards Highway 91. The access road is roughed in previously by Mr. Keefer and the tower would be placed approximately 15 m back from the highway. Note the trees and the golf course netting in the background. Corn fields are located on either side of the proposed site.



### Potential Impacts to Aerial Fertilizer Application

Aerial application of fertilizers (and sometimes pesticides) is a common practice around the world. First developed in New Zealand, it is used in North America to fertilize large areas of canola in the Prairies and cotton fields in the US midwest.

Mr. Orlando Schmidt, Coast Regional Manager of the Sustainable Agriculture Management Branch at the BC Ministry of Agriculture in Abbotsford, was contacted to discuss the types of crops that typically receive aerial fertilizer application in the Richmond area. To the best of his knowledge cranberry fields are the only crops that receive aerial application of fertilizers in the South Coast (Fraser Valley and Metro Vancouver) region<sup>1</sup>. The use of heavy equipment, such as tractors, is not suited to cranberries, which are typically cultivated in wet bogs. Therefore, aerial application is preferred. This practice is further described in resources published by the B.C. Cranberry Growers' Association, such as their document entitled *Normal Farming Practices for Cranberries in British Columbia*, which outlines procedures for aerial spraying.

Cranberry fields on Keefer Farms & Greenhouse receive aerial applications of fertilizer using a helicopter twice a year by Michel Lamarche of Bajo Reef Helicopters<sup>2</sup>. Mr. Lamarche stated that the proposed tower would not have any impact on his ability to perform aerial fertilizer applications<sup>3</sup>. He said that best practices are to remain at least 10 m (30 ft) away from the parcel boundaries when conducting the applications by helicopter. The fact that there are no guyed wires included in the tower design is important to Mr. Lamarche, as these wires can sometimes cause visibility problems for helicopter operators. The proposed tower is a monopole (no wires), therefore this is not a concern for this site.

Another cranberry producer, Columbia Cranberry Ltd, was contacted for their thoughts on the possible impact of a communications tower in the area on their ability to aerially apply fertilizers to their cranberry fields. Columbia Cranberry Ltd is located at 16351 Cambie Rd., just north of Keefer Farms & Greenhouse. The contact at Columbia Cranberry Ltd stated that their fields are also fertilized using a helicopter and they have not had any adverse impacts due to communications towers<sup>4</sup>. There is currently an existing TELUS tower located across the road from their fields which is 27 m tall (this tower will be taken down if the proposed relocation site is confirmed). They did not feel that an additional tower would have a negative impact. Hydro wires are more likely to cause adverse impacts to the aerial applicator, in their opinion.

Mr. Todd May, a third-generation local cranberry farmer, was contacted for his opinion on the possible impacts that the proposed communications tower may have on the ability to provide fixed wing aerial application services in the area. Mr. May explained that there is an unpaved (grassed) runway located parallel to Highway 91 along No. 8 Rd that extends westward into approximately the midpoint of Mr.

---

<sup>1</sup> Orlando Schmidt, Coast Regional Manager, Sustainable Agriculture Management Branch, BC Ministry of Agriculture. Personal communication, 2016.

<sup>2</sup> Dan Keefer, Owner and operator of Keefer Farms. Personal communication, 2016.

<sup>3</sup> Michel Lamarche, Owner of Bajo Helicopters. Personal communication, 2016.

<sup>4</sup> Columbia Cranberry Ltd. Personal communication, 2016.

Keefer's property (Figure 5). The property line is approximately 50 m to the south of the west end of the runway. Mr. May expressed concern regarding the proximity of the runway to the proposed tower site.

This unpaved runway is used year-round, but most heavily during the growing season, by small fixed wing aircraft to provide aerial fertilizer application support services to other cranberry operations in the vicinity. Fixed wing aircraft approach the runway to land and take off from either the East or West and then turn North. Approximately 1,500 to 2,000 acres are serviced to the West, Northwest, North, Northeast, East, and Southeast of the runway.

The Canadian Aviation Regulations are the guiding regulations for the use and operation of the grassed runway. Communications between TELUS and NAV Canada indicate that there are no registered aerodromes (a location from which aircraft flight operations take place) in that location<sup>5</sup>. This is based on the Canada Flight Supplement (CFS), the official publication that contains all the aerodromes with instrument procedures and/or NAVAIDS listed by Transport Canada. There are no criteria for NAV Canada to include aerodromes that are based on visual flight rules in their review. According to NAV Canada, aircraft using an unpublished strip (such as the runway used by Mr. May) would be flying under visual flight rules and subject to ensuring that they themselves remain clear of any obstacle(s). The unpaved runway falls within this category, as it is unregistered (not listed in the CFS) and is used for aircraft flying under visual sight rules.

It is worth reiterating that any determination of aircraft operation and aviation safety with regard to the proposed tower location was outside the scope of this assessment. Comments by Mr. May and NAV Canada are included here without additional examination into possible impacts that the proposed tower might have on the ability of the fixed wing aircraft to continue to use the runway.



*Figure 5. The unpaved (grassed) runway is located parallel to Highway 9 and north of the property line. It is visible as a light green strip between dark green corn fields in this satellite image.*

<sup>5</sup> Steven Coyle, NAV Canada. Email correspondence. April 12, 2016.





Figure 6. Existing berm between corn and cranberry fields at Keefer Farms & Greenhouse.



Figure 7. Columbia Cranberry Ltd located at 16351 Cambie Rd.



Figure 8. Existing TELUS communications tower located across the road from Columbia Cranberry Ltd.

### Summary

The site of a proposed TELUS communications tower at 17080 Cambie Rd., Richmond, BC was assessed to determine if any impacts to aerial fertilizer applications of cranberry fields (or other crops) would be affected by the tower. A tour of the site was conducted with the owner/operator of Keefer Farms & Greenhouse (Mr. Dan Keefer).

The following individuals provided input for this assessment:

- A helicopter operator familiar with the site (Mr. Michel Lamarche);
- A fixed wing operator and cranberry producer familiar with the site (Mr. Todd May);
- A NAV Canada representative (Mr. Steve Coyle);
- A neighbouring cranberry producer (Columbia Cranberry Ltd); and
- Ministry of Agriculture staff (Mr. Orlando Schmidt).

Neither observations made during the site visit nor discussions with the above-mentioned individuals raised serious concerns regarding the proposed communications tower's impact on aerial fertilizer applications to cranberries or other crops in the area.



Consideration should be given to the existence of an unpaved fixed wing aircraft runway that extends into Mr. Keefer's corn fields. It remains unclear as to whether the user(s) of the unpaved runway would be impacted by the proximity of the proposed tower. Other tall structures, such as hydro poles, trees, and golf course netting, were noted in the vicinity of the proposed site. Determining whether aircraft operation and aviation safety could be impacted by the proposed tower location was outside the scope of this assessment.

It is my professional opinion that the construction of the proposed communications tower at 17080 Cambie Rd. would not have serious negative impacts on the ability of nearby cranberry fields to continue to receive aerial applications of fertilizer.

Sincerely,

A handwritten signature in blue ink that reads "I. Smith".

Ione Smith, BSc, MSc, PAg  
Director  
Upland Agricultural Consulting  
778-999-2149  
ione@uplandconsulting.ca



# City of Richmond

## Development Variance Permit

No. DV16-721776

To the Holder: TM MOBILE INC. (TELUS)  
Property Address: 17080 CAMBIE ROAD  
Address: C/O JOHN LEUGNER  
3 - 4355 CANADA WAY  
BURNABY, BC V5G 1J9

1. This Development Variance Permit is issued subject to compliance with all of the Bylaws of the City applicable thereto, except as specifically varied by this Permit.
2. This Development Variance Permit applies to and only to those lands shown cross-hatched on the attached Schedule "A" and any and all buildings, structures and other development thereon.
3. The "Richmond Zoning Bylaw 8500" is hereby varied to increase the maximum accessory structure height of the "Agriculture (AG1)" zoning district from 20 m (65.6 ft.) to 30 m (98.4 ft.) in order to permit the installation of a cellular antenna tower as shown on Plans #DV16-721776-1 to #DV16-721776-2 attached hereto.
4. The land described herein shall be developed generally in accordance with the terms and conditions and provisions of this Permit and any plans and specifications attached to this Permit which shall form a part hereof.
5. If the Holder does not commence the construction permitted by this Permit within 24 months of the date of this Permit, this Permit shall lapse.

This Permit is not a Building Permit.

AUTHORIZING RESOLUTION NO.  
DAY OF

ISSUED BY THE COUNCIL THE

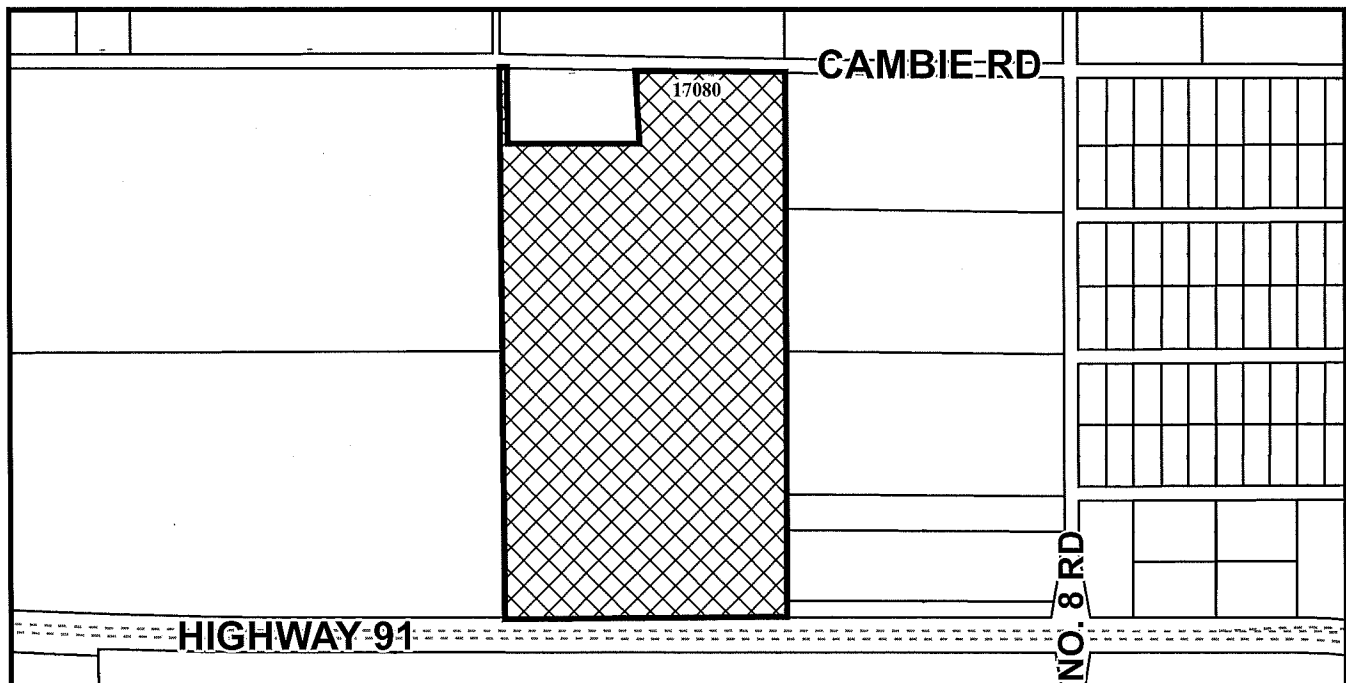
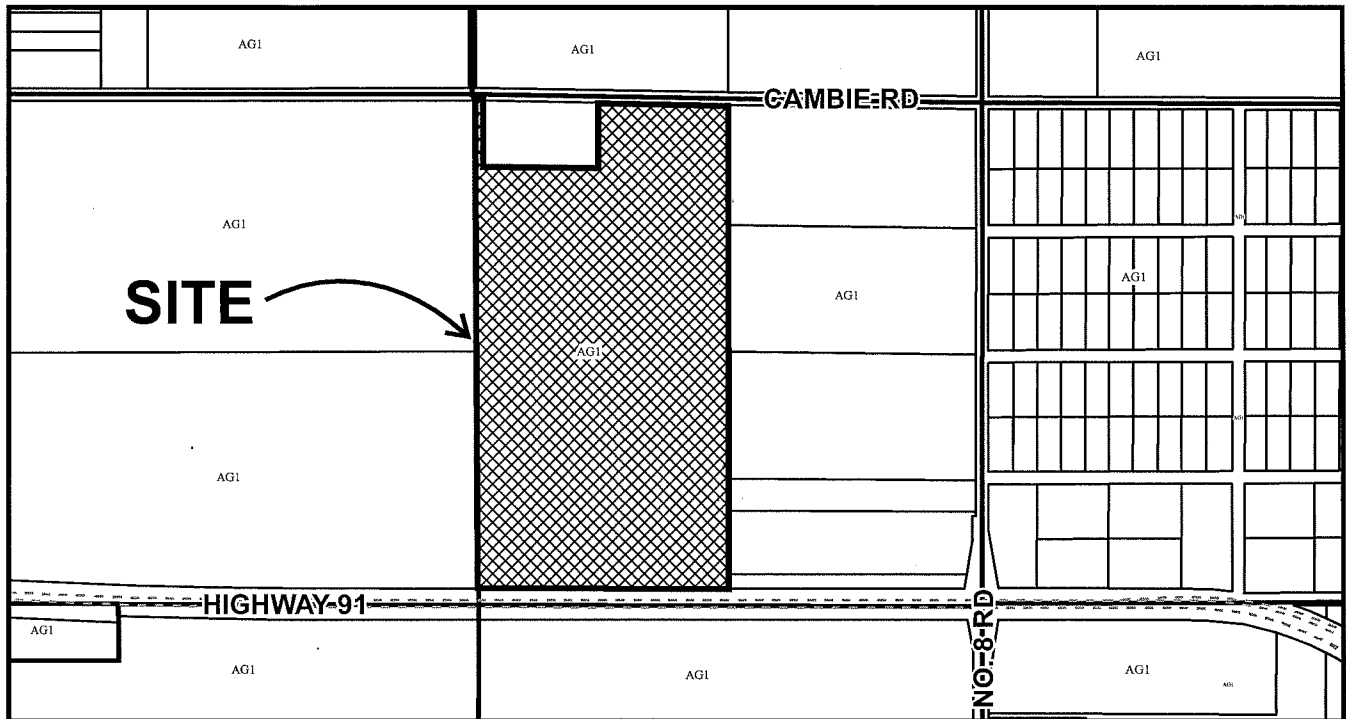
DELIVERED THIS DAY OF

MAYOR





# City of Richmond



DV 16-721776  
SCHEDULE "A"

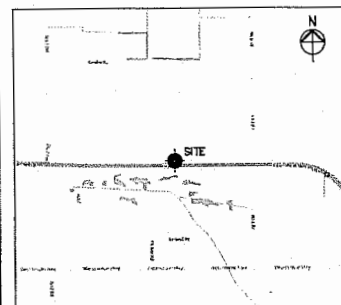
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Revision Date:

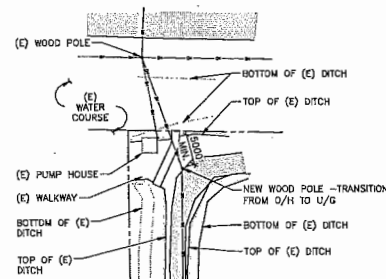
Note: Dimensions are in METRES

# NOTES:

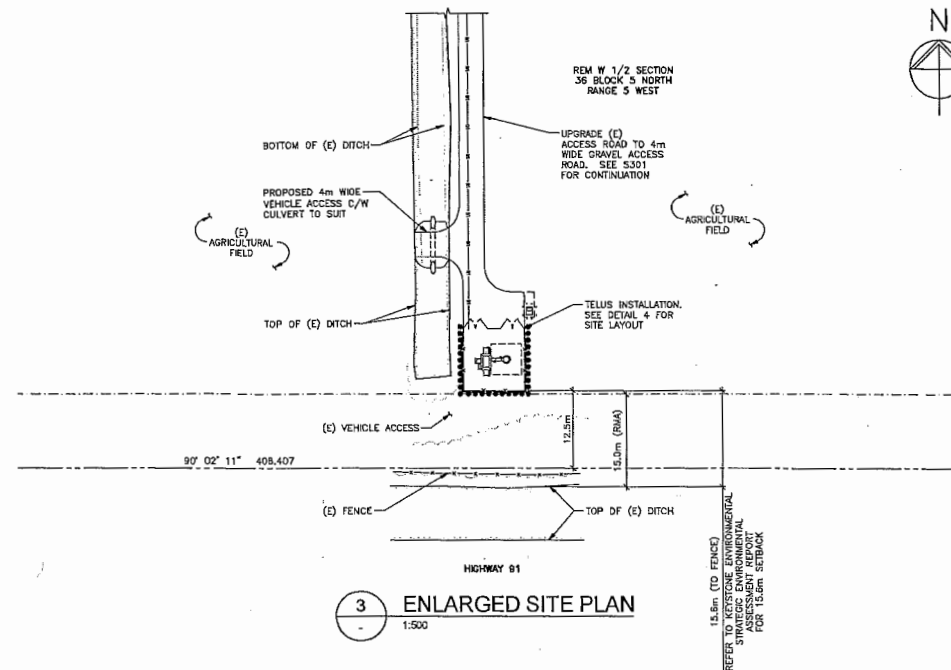
1. SITE PLAN INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY WATSON PECK AND TOPLESS SURVEYORS AND ENGINEERS, DATED OCT 9, 2015.
2. EXISTING UNDERGROUND SERVICES ARE NOT SHOWN. CONTRACTOR IS RESPONSIBLE TO LOCATE ANY AND ALL BURIED SERVICES IN THE VICINITY OF REQUIRED EXCAVATION PRIOR TO CONSTRUCTION. USE HAND DIGGING WHERE APPROPRIATE.



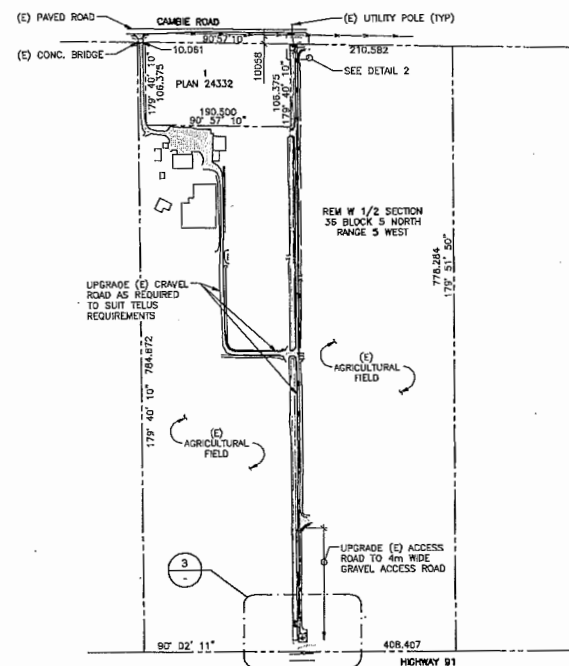
APPROXIMATE GPS COORDINATES  
LATITUDE: 49° 17' 00" N  
LONGITUDE: -123° 03' 33" W



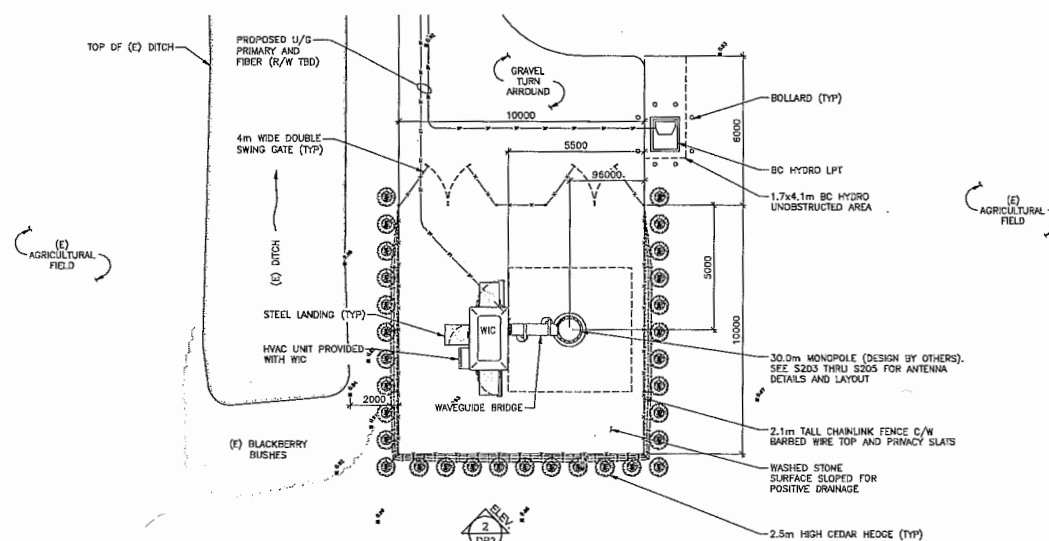
2 ENLARGED SITE PLAN  
1:500



3 ENLARGED SITE PLAN  
1:500



1 SITE PLAN  
1:4000



4 SITE LAYOUT  
1:125



## LEGAL DESCRIPTION:

PART OF WEST HALF SECTION 36 BLOCK 5 NORTH RANGE 5 WEST EXCEPT; FIRSTLY: PART SUBDIVIDED BY PLAN 24332 SECONDLY: PART ON STATUTORY RIGHT OF WAY PLAN NWP88278 NWO

## LEGEND:

- ★ - INDICATES PARTICULAR ATTENTION SHOULD BE GIVEN TO WHAT IS NOTED ON THE DRAWING
- (E) - DENOTES EXISTING
- (TYP) - DENOTES TYPICAL
- - DENOTES (E) SUBJECT PROPERTY LINE
- - DENOTES ADJACENT PROPERTY LINE
- - DENOTES (E) GRAVEL ROAD/AREA
- - DENOTES (E) O/H POWER AND TELCO
- - DENOTES PROPOSED U/G PRIMARY/FIBER (R/W TBD)
- WIC - DENOTES TELUS WALK-IN-CABINET 1600X2527MM
- - DENOTES (E) SPOT ELEVATION (M)

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Sketches may be issued which augment or alter the information presented on this drawing. It is the responsibility of parties using this drawing to ensure that they are in possession of all such sketches.

2016.04.13	ISSUED FOR CLIENT REVIEW	GF
2015.01.13	ISSUED FOR CLIENT REVIEW	GF
No.:	Date:	Description:
Revisions:		

Client:

TELUS®

Consultant:

GS-Sayers  
ENGINEERING LTD.  
1661 West 5th Avenue  
Vancouver, BC V6J 1N5  
T: 604.734.8802  
F: 604.734.8842  
www.golder-simpson.com

Seals:

Sheet Title:  
SITE AND COMPOUND PLANS

Project:  
RICHMOND  
CAMBIE AND NO. 7  
17080 CAMBIE RD, RICHMOND BC  
Site ID: BC2171

Date: JAN 2016  
Scale: AS NOTED  
Drawn: CW  
Checked: GF

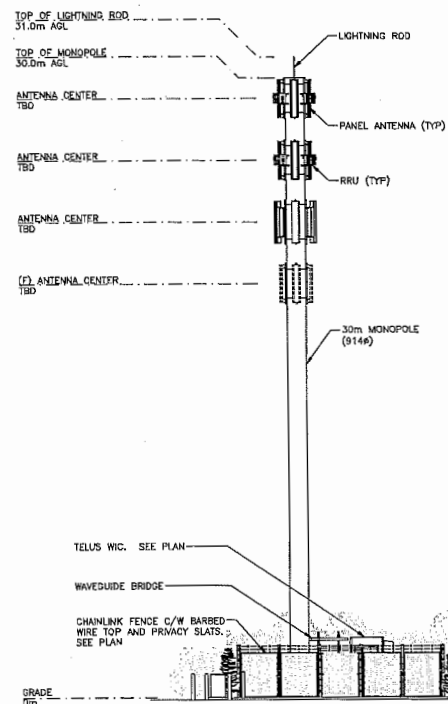
Project: 215359 Sheet No.:

DP1

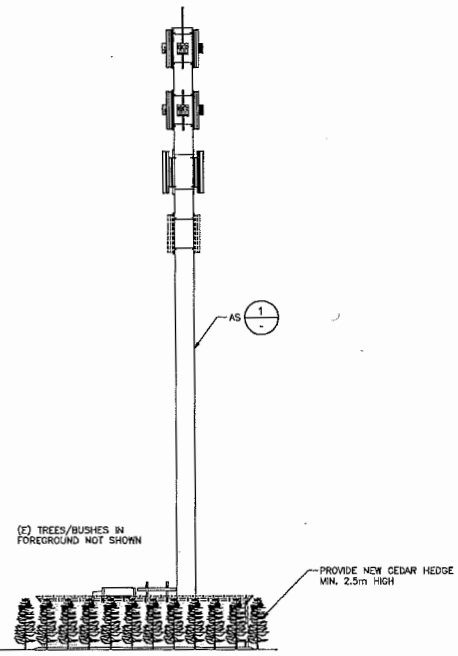
Of

OV 16-721710-1

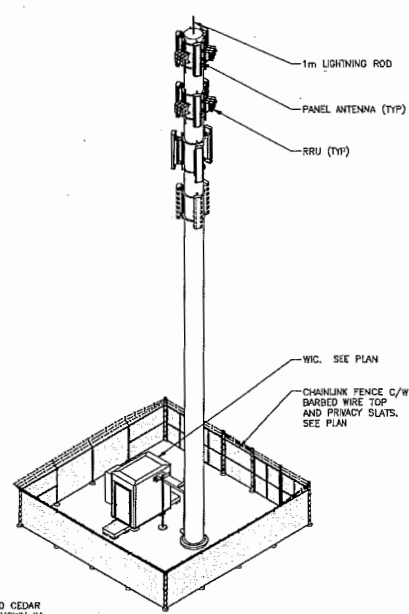




1 NORTH ELEVATION  
DP1 1:200



2 SOUTH ELEVATION  
DP1 1:200



(G) DITCH AND CEDAR HEDGE NOT SHOWN IN THIS VIEW

3 SITE ISOMETRIC  
NTS

**NOTES:**

1. SITE ISOMETRIC IS SCHEMATIC ONLY AND IS INTENDED TO DEPICT THE GENERAL SITE ARRANGEMENT. EXISTING CONDITIONS MAY NOT BE EXACTLY AS SHOWN.

**LEGEND:**

- ★ - INDICATES PARTICULAR ATTENTION SHOULD BE GIVEN TO WHAT IS NOTED ON THE DRAWING
- (E) - DENOTES EXISTING
- (F) - DENOTES FUTURE
- (TYP) - DENOTES TYPICAL
- AGL - DENOTES ABOVE GRADE LEVEL

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Sketches may be issued which augment or alter the information presented on this drawing. It is the responsibility of parties using this drawing to ensure that they are in possession of all such sketches.

2016.04.13	ISSUED FOR CLIENT REVIEW	GF
2016.01.13	ISSUED FOR CLIENT REVIEW	GF
No.:	Date:	Description:
Revisions:		

Client: **TELUS®**

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Seals:

Sheet Title:  
**SITE AND COMPOUND PLANS**

Project:  
**RICHMOND  
CAMBIE AND NO. 7  
17080 CAMBIE RD, RICHMOND BC  
Site ID: BC2871**

Date: JUN 2015  
Scale: AS NOTED  
Drawn: CW  
Checked: GF

Project: 215359 Sheet No.: **DP2**  
OF

DV 16-721776-2