

8888 No 6 Rd.,
Richmond, BC
ESA DP Considerations

QEP Richard Borthwick, M.Sc., R.P.Bio



Schedule 1 to the Minutes of the
Advisory Design Panel meeting
held on Wednesday, June 29,
2022.

Project Background

- Madrone Environmental Services Ltd. (Madrone) was retained by Mr. Calvin Deng (the client) to complete an Environmental Assessment for 8888 No. 6 Rd., in Richmond, B.C.(the Property).
- The City of Richmond (COR) requires that an Environmentally Sensitive Area (ESA) Assessment and Report be conducted to meet the ESA Development Permit (DP) Guidelines under the COR Official Community Plan (OCP) Plan Bylaw 9000., before any residential development can proceed.

House Plate Location Consideration

- The proposed Homeplate location is a suitable location.
- The location of the primary residence towards the southwest side of the parcel and the farm building towards the northwest has two main key advantages towards agricultural operations intended for the property:
 - The proposed location of the frontage road will provide access to the farm building without disturbing the RMA area.
 - No need to create additional water crossing and impacting the RMA from Number 6 Road to the Farm Building.
 - Location approved by FSAAC.
- Compensation is still required for the Homeplate



PROJECT:
Environmentally Sensitive Area Assessment: 8888 No 6 Rd.

ASSESSED BY:
Anna Vuill, B.L.T., BC-CESL & Amanda Girard, R.P.F., R.P.Bio

FIELD VISIT:
February 26, 2021

LOCATION:
Richmond, B.C.

MAP SCALE:
1:1,600

CLIENT:
Calvin Dang

DOSSIER:
21.0172

MAPPING DATE:
April 26, 2022

DRAWN BY:
Jessi, Alyssa & Jeff



FIGURE 2 : RIPARIAN AREA ASSESSMENT AND SUBSEQUENT BUFFER ALONG WITH THE FARM HOME PLATE AND PROPOSED BUILDING LOCATIONS.



Scatter Earthworks Geomatics Engineering and the GIS User Community

All features on this map are approximate. Features measured in the field are included using a handheld GPS and accuracy can only be guaranteed to 2.5m.

ESA Compensation

- Should address the ecosystem services on site.
- Should improve ecological connectivity.
 - Wildlife corridors and movement
- Should stabilize site and contribute to habitat, carbon storage, hydrologic cycle, and air quality.
- Compensation focuses on the riparian corridors to improve connectivity, replanting and fencing areas to maintain the compensatory works, and restoring ecological function throughout



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MAP SCALE: 1:1,600

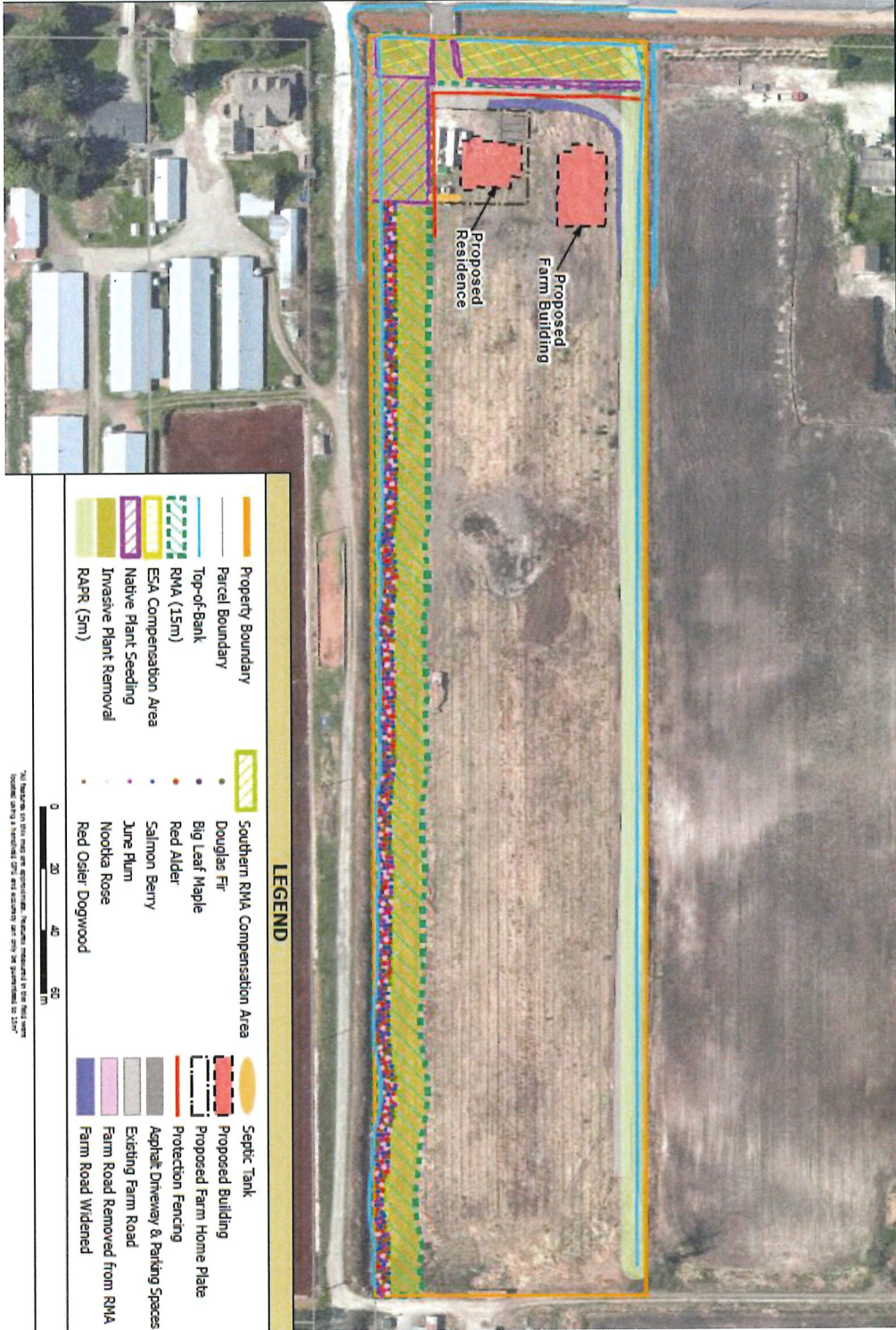
LOCATION: Richmond, B.C.

CLIENT: Calvin Dang
MAPPING DATE: June 1, 2022

DOSSIER: 21.0172
DRAWN BY: Jessi, Alyssa & Jeff



FIGURE 5: COMPENSATION AREAS FOR 8888 NO. 6 ROAD, RICHMOND BC.



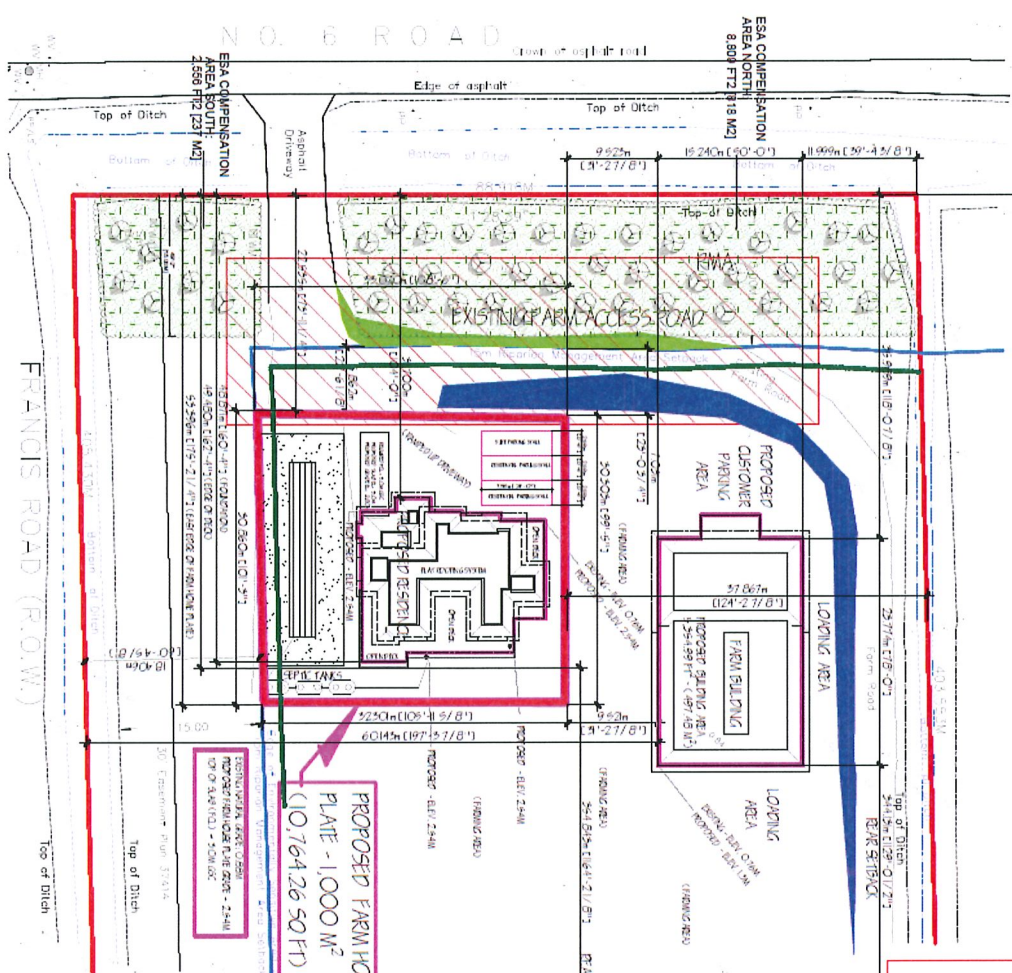
LEGEND

- Property Boundary
- Parcel Boundary
- Top-of-Bank
- RMA (15m)
- ESA Compensation Area
- Native Plant Seeding
- Invasive Plant Removal
- RAPR (5m)
- Southern RMA Compensation Area
- Douglas Fir
- Big Leaf Maple
- Red Alder
- Salmon Berry
- June Plum
- Nootka Rose
- Red Osier Dogwood
- Septic Tank
- Proposed Building
- Proposed Farm Home Plate
- Protection Fencing
- Asphalt Driveway & Parking Spaces
- Existing Farm Road
- Farm Road Removed from RMA
- Farm Road Widened

0 20 40 60 m

"All features on this map are approximate. Features measured in the field were located using a total station and accuracy can only be guaranteed to 10%"





PROPOSED FARM HOME PLATE
 TO LOCATE THE FARM HOME PLATE TO 6.82M EAST OF THE
 RMA BOUNDARY LINE RUNNING PARALLEL TO NO. 6 ROAD TO
 ACCOMMODATE A FARM ACCESS ROAD.

NOTES:

- Elevation in m above and below mean sea level, or indicated by "W" where appropriate.
- All dimensions are in metres unless otherwise stated.
- All proposed structures are based on 10% probability of flood.
- All structures and works have been planned to comply with the City of Stellenbosch's SWS No. 6007.

LEGEND (ONLY IF ROAD ADJUSTMENTS ARE REQUIRED)

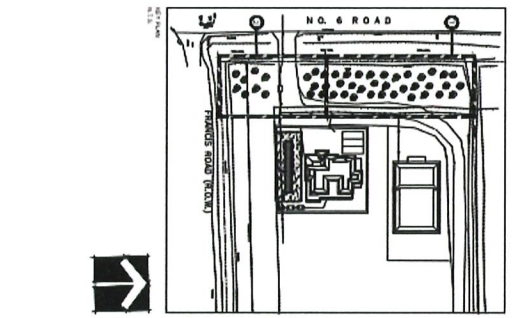
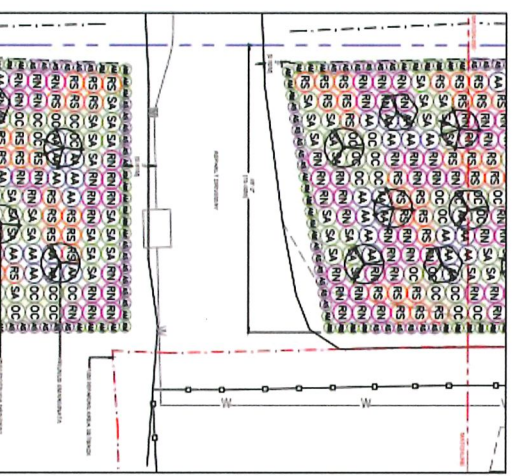
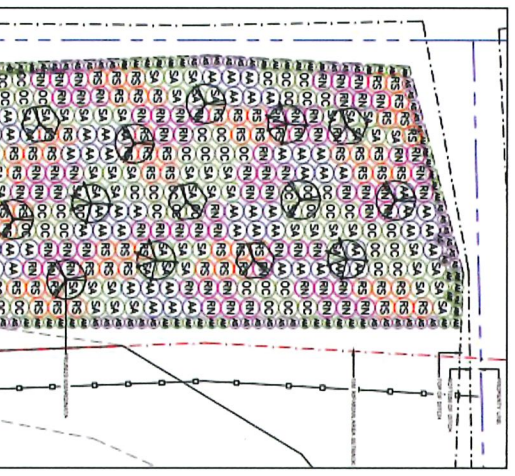
- FARM ROAD REMOVED FROM RMA AREA
- FARM ROAD WIDENED
- AREA EXPLAINED IN THE FARM REPORT AND LETTER
- RMA PROTECTION FENCE (2.0M FROM RMA)

**PROPOSED FARM HOME
 PLATE - 1,000 M²
 (10,764.26 SQ FT)**

**EXISTING ARM ACCESS ROAD
 (10.764.26 SQ FT)**

SITE / GRADING PLAN
ESA DP 21-931059
Ventura design
 8888 Xh. 6 Road - St. 2

SCALE: 50:1 SHEET 1: 1/4" = 1'-0"
 TITLE SHEET 2: 1/4" = 1'-0"



PLANT SCHEDULE	
12	DOUGLAS ASTER
13	NOOKIA ROSE
14	COASTAL SERVICEBERRY
15	SALMONBERRY

NOTE: THE PLANT SCHEDULE IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THE PLANTING OF ANY PLANTS LISTED IN THIS SCHEDULE. THE CLIENT SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND WATERING OF ALL PLANTS LISTED IN THIS SCHEDULE.



PLANTING PLAN
L2
OF 2

FARM NO. 6 ROAD
NOOKIA ROSE
FRANIS ROAD (ELEM.)



Douglas Aster



Nookia Rose



Coastal Serviceberry



Salmonberry