#### CITY OF COLWOOD



3300 Wishart Road | Colwood | BC V9C 1R1 | 250 294-8153 planning@colwood.ca | www.colwood.ca

File: DP000007 - Car Dealership Site Works at 2930 Brickshire Dr

#### **DEVELOPMENT PERMIT DP000007**

THIS PERMIT, issued July 24, 2024, is,

ISSUED BY:

CITY OF COLWOOD, a municipality incorporated under the Local Government Act,

3300 Wishart Road, Victoria, BC, V9C 1R1

(the "City")

**PURSUANT TO:** 

Section 490 of the Local Government Act, RSBC 2015, Chapter 1

ISSUED TO:

KOT VICTORIA LAND HOLDINGS LTD

C/O DOAK SHIRREFF LAWYERS LLP

200-537 LEON AVE KELOWNA BC V1Y 2A9

(the "Permittee")

1. This Form and Character, and Environmental Development Permit applies to those lands within the City of Colwood described below, and any and all buildings, structures, and other development thereon:

#### LOT 2, SECTION 73, ESQUIMALT LAND DISTRICT, PLAN EPP119904 2930 BRICKSHIRE DR

(the "Lands")

- 2. This Development Permit regulates the development and alterations of the Land, and supplements the "Colwood Land Use Bylaw, 1989" (Bylaw No. 151), to ensure the Form and Character and Environmental considerations for the site works associated with the car dealership development on the Langford portion of the lot are consistent with the design and environmental guidelines for areas designated as "Mixed Use Employment Centre" and "Riparian" in the City of Colwood Official Community Plan (Bylaw No. 1700).
- 3. This Development Permit is **NOT** a Building Permit or a subdivision approval.

## **DEVELOPMENT PERMIT Car Dealership Site Works at 2930 Brickshire Dr PAGE 2 OF 5**

- 4. This Development Permit is issued subject to compliance with all of the bylaws of the City of Colwood that apply to the development of the Lands, except as specifically supplemented by this Permit.
- 5. The Director of Development Services or their delegate may approve minor variations to the schedules attached to and forming part of this Development Permit, provided that such minor variations are consistent with the overall intent of the original plans and do not alter the form and character of the development authorized by those plans.
- 6. If the Permittee does not substantially start the construction permitted by this Permit within 24 months of the date of this Permit, the Permit shall lapse and be of no further force and effect.
- 7. The development is to be constructed in accordance with the following plans and specifications, which are attached to and form as part of this permit:

Schedule 1	Architectural Drawings and Signage Plan prepared by Alan Lowe Architect Inc. dated June 27, 2024.
Schedule 2	Landscape Plan prepared by Lombard North Group dated April 9, 2024.
Schedule 3	Landscape Cost Estimate by Lombard North Group dated April 10, 2024.
Schedule 4	Restoration Plan and Cost Estimate by Aquaparian dated June 13, 2024.
Schedule 5	RAPR Assessment Report prepared by Cascadia Biological Services dated January 20, 2024.
Schedule 6	Civil Plans prepared by Aplin & Martin Consultants Ltd. Dated May 3, 2024.

8. This Development Permit authorizes the site works associated with the car dealership located on the Langford portion of the lot. The Lands shall not be altered, nor any buildings or structures constructed, except in accordance with the following conditions:

#### **GENERAL**

- 8.1. The following permits issued on the Lands by the City of Colwood apply, remain valid and are in no way diminished by this Development Permit:
  - 8.1.1. All conditions of DP-20-025 675 Meaford
  - 8.1.2. All conditions of DVP00009 2930 Brickshire Drive
- 8.2. This Permit shall not be construed as relieving the Permittee from compliance with any of the requirements contained within the Section 219 covenants registered as "CA8570294" and "CA9693817" and as amended.
- 8.3. British Columbia's archaeological sites are protected under the Heritage Conservation Act and shall not be altered or damaged without the required permits from the Provincial Archaeology Branch.
  - 8.3.1. There are areas of archaeological potential located within the subject property, which may contain archaeological sites protected by the Heritage Conservation Act. Please contact the Archaeology Branch of the Provincial Government (250-953-3334) to learn more about responsibilities and obligations during construction.

#### FORM AND CHARACTER CONDITIONS

#### **Building Features**

- 8.4. The form and character of the site works to be constructed on the Lands shall conform to the Architectural Drawings prepared by Alan Lowe Architect Inc. (Schedule 1).
- 8.5. Any future additions of telecommunications antennas or equipment to the exterior of the structures included in this Permit shall be architecturally integrated into the structures they are mounted on or screened from views so as not to be visually obtrusive, to the satisfaction of the Director of Development Services or their delegate.
- 8.6. No future construction/installation of unenclosed or enclosed outdoor storage areas or recycling/refuse collection shall be undertaken without the issuance of a further Development Permit or amendment to this Permit.

#### Signage

- 8.7. Any proposed signage shall be in accordance with the details provided in the Signage Plan prepared by Alan Lowe Architect Inc. (Schedule 1).
- 8.8. This Development Permit does not include any signage approvals. A separate sign permit will be required for any marketing signage.

#### Landscaping

- 8.9. The design and construction of the proposed landscaping shall be in substantial compliance with the Landscape Plan prepared by Lombard North Group (Schedule 2).
- 8.10. Prior to the issuance of the Development Permit, the Permittee shall provide the City with a written letter of engagement from a registered landscape architect agreeing to:
  - 8.10.1. Supervise and install the landscape work in accordance with the approved Landscape Plan prepared by Lombard North Group (Schedule 2); and
  - 8.10.2. Perform a final inspection and submit an inspection report to the City confirming substantial compliance with the approved landscape plan.
- 8.11. Prior to the issuance of the Development Permit, the Permittee shall obtain a one-year warranty of the landscape works from the landscape contractor. This warranty shall be transferrable to subsequent owners of the property within the warranty period. The warranty must include provision for a further one-year warranty on materials.
- 8.12. Prior to the issuance of a Development Permit, the Permittee must provide to the City in the form of an irrevocable letter of credit or certified cheque, security in the amount of \$30,877 based on 110% of the Landscape Cost Estimate Lombard North Group (Schedule 3), which amount, or a portion therefore, as the case may be, shall be returned, no sooner than 1 year from the date of planting, upon receipt of a signed statement of substantial completion from a registered landscape architect, to the satisfaction of the Director of Development Services.

#### **ENVIRONMENTAL CONDITIONS**

#### General

- 8.13. Where required, Federal and Provincial environmental approvals shall be obtained prior to any works occurring on the Lands.
- 8.14. Clearing of the lot prior to issuance of a Building Permit shall be limited to the minimum area required for construction.
- 8.15. A security deposit of \$3515.63, based on 125% of the Restoration Cost Estimate prepared by Aquaparian (Schedule 4) must be submitted by the Permittee to the City of Colwood prior to issuance of the Development Permit. The environmental security deposit will be held until a satisfactory final inspection report prepared by the project's QEP is submitted to the City, no sooner than two years from the date restoration work is completed, confirming that the restoration works remain in substantial compliance with the approved Restoration Plan prepared by Aquaparian (Schedule 4).
- 8.16. The property owner is responsible for ensuring all recommendations in the RAPR report (Schedule 5) are followed, including monitoring and reporting to the City of Colwood. No clearing or site preparation shall occur until all qualified professionals (registered biologist, qualified environmental professional, arborist, etc.), as applicable, have been retained to oversee impacts on the site and ensure compliance with the recommendations contained in Schedule 5. Prior to the issuance of the Development Permit, the Permittee shall provide the City with written letters of engagement from all qualified professionals, as applicable, agreeing to:
  - 8.16.1. Oversee impacts on the site and ensure compliance with the recommendations contained in Schedules 4, and 5; and
  - 8.16.2. Perform a final inspection and submit an inspection report to the City confirming substantial compliance with Schedules 4, and 5.
- 8.17. Environmental restoration and enhancement work shall be completed in substantial compliance with the approved schedules (Schedule 4, and Schedule 5), to the satisfaction of the Director of Development Services.

#### **Habitat Protection and Stormwater Management**

8.18. Stormwater management shall be in accordance with an approved Stormwater Management Plan prepared by Aplin Martin (Schedule 6). In the event of an emergency, such as a spill, flood, or stormwater breach, a QEP shall be retained by the permittee to identify remediation/restoration requirements and shall report to the Director of Development Services (or their delegate at planning@colwood.ca)

#### **Erosion and Sediment Control**

8.19. Erosion and sediment control shall be in accordance with the approved Erosion and Sediment Contral Plan prepared by Aplin Martin (Schedule 6) including meeting all recommendations.

## **DEVELOPMENT PERMIT Car Dealership Site Works at 2930 Brickshire Dr PAGE 5 OF 5**

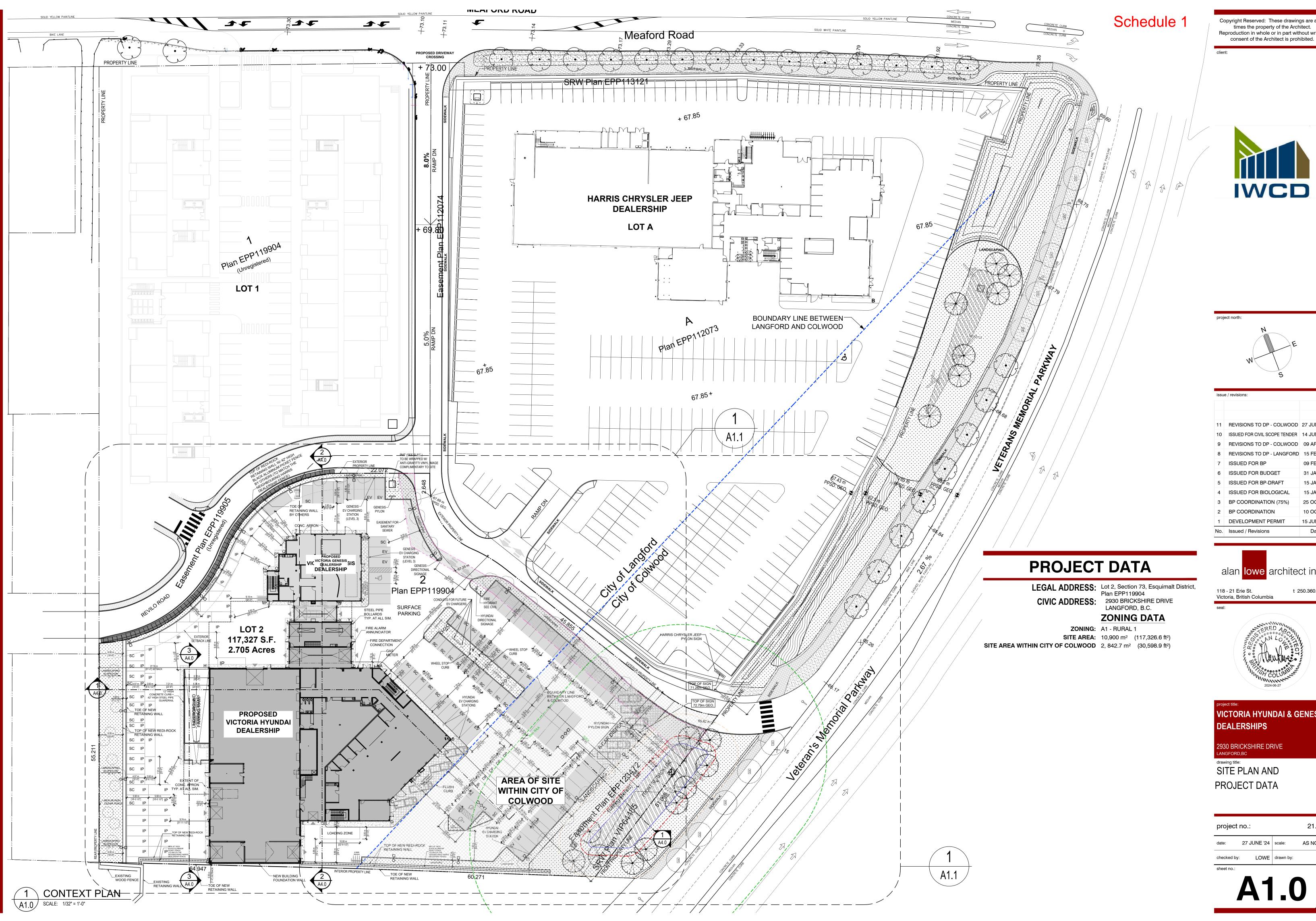
#### **Nesting and Migratory Birds**

8.20. It is the property owner's responsibility to ensure that physical works are compliant with the federal Migratory Birds Convention Act, 1994 and the provincial Wildlife Act with respect to bird nests. Both of these acts prohibit the disturbance or destruction of active nests and eggs.

ISSUED ON THIS 24 DAY OF JULY, 2024.

JOHN ROSENBERG, A.Sc.T.

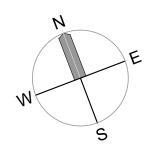
DIRECTOR OF ENGINEERING AND DEVELOPMENT SERVICES



Copyright Reserved: These drawings are at all times the property of the Architect.

Reproduction in whole or in part without written





11 REVISIONS TO DP - COLWOOD 27 JUNE '24 10 ISSUED FOR CIVIL SCOPE TENDER 14 JUNE '24 9 REVISIONS TO DP - COLWOOD 09 APR '24 8 REVISIONS TO DP - LANGFORD 15 FEB '24 7 ISSUED FOR BP 09 FEB '24 6 ISSUED FOR BUDGET 31 JAN '24 4 ISSUED FOR BIOLOGICAL 3 BP COORDINATION (75%) 2 BP COORDINATION 10 OCT '23 1 DEVELOPMENT PERMIT 15 JUNE '23



alan lowe architect inc.

t 250.360.2888

Date

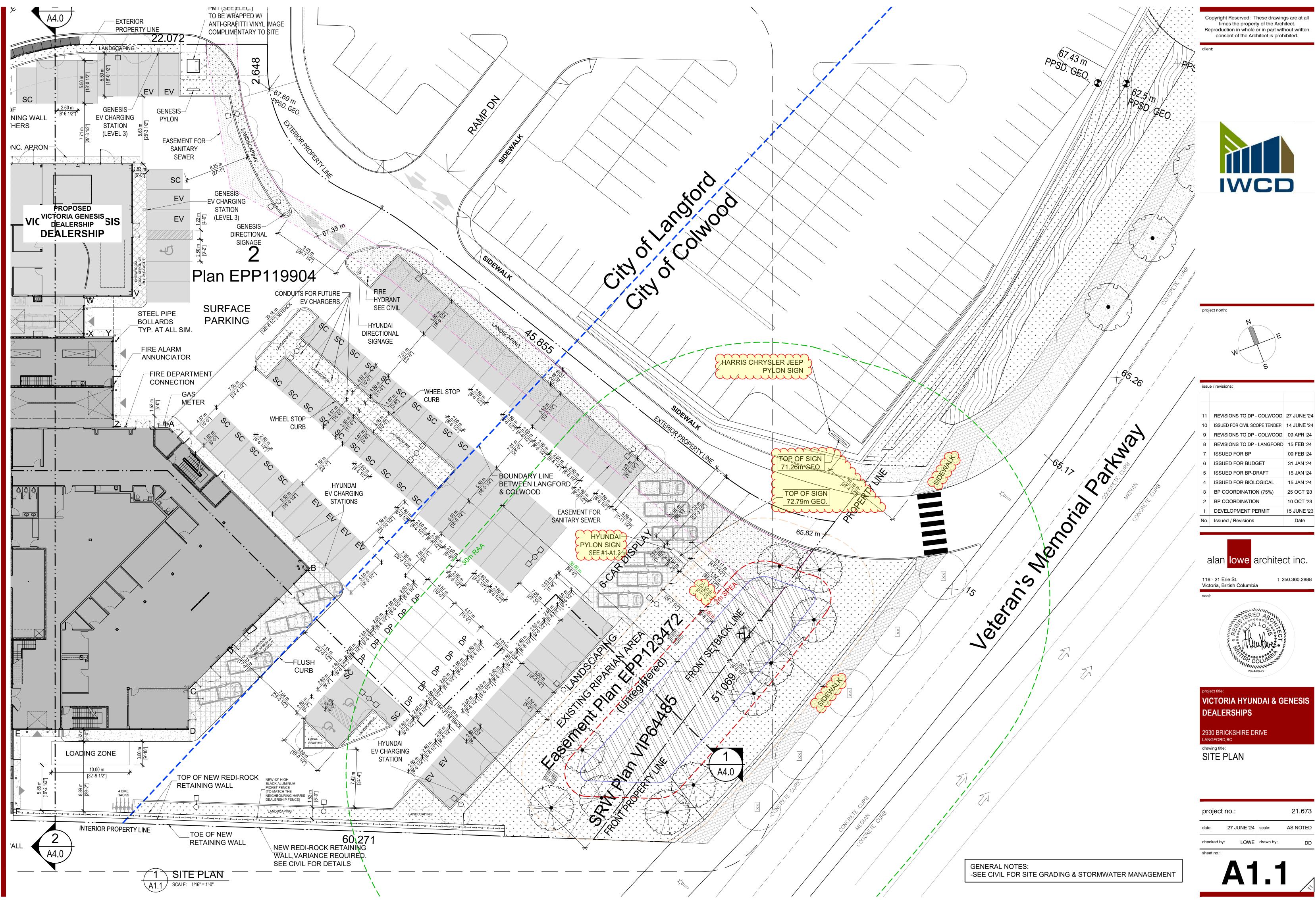


**VICTORIA HYUNDAI & GENESIS DEALERSHIPS** 

2930 BRICKSHIRE DRIVE

PROJECT DATA

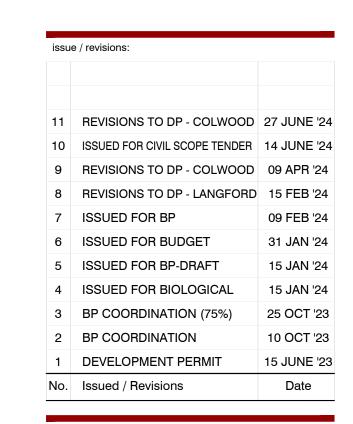
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date:	27 JUNE '24	scale:	AS NOTED
checked by:	LOWE	drawn by:	DD



project r	no.:		21.673
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checked by:	LOWE	drawn by:	DD









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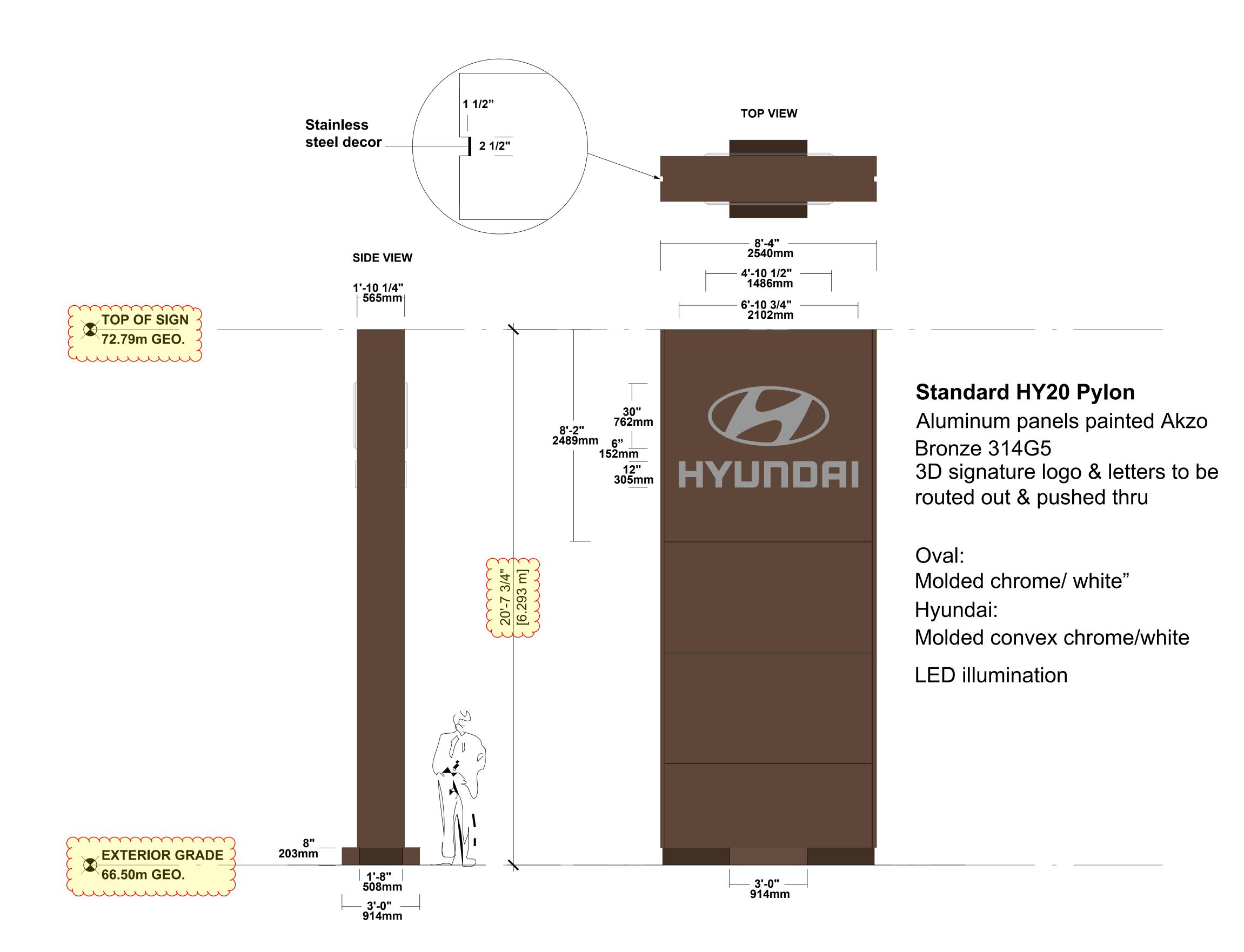
VICTORIA HYUNDAI & GENESIS
DEALERSHIPS

2930 BRICKSHIRE DRIVE LANGFORD,BC

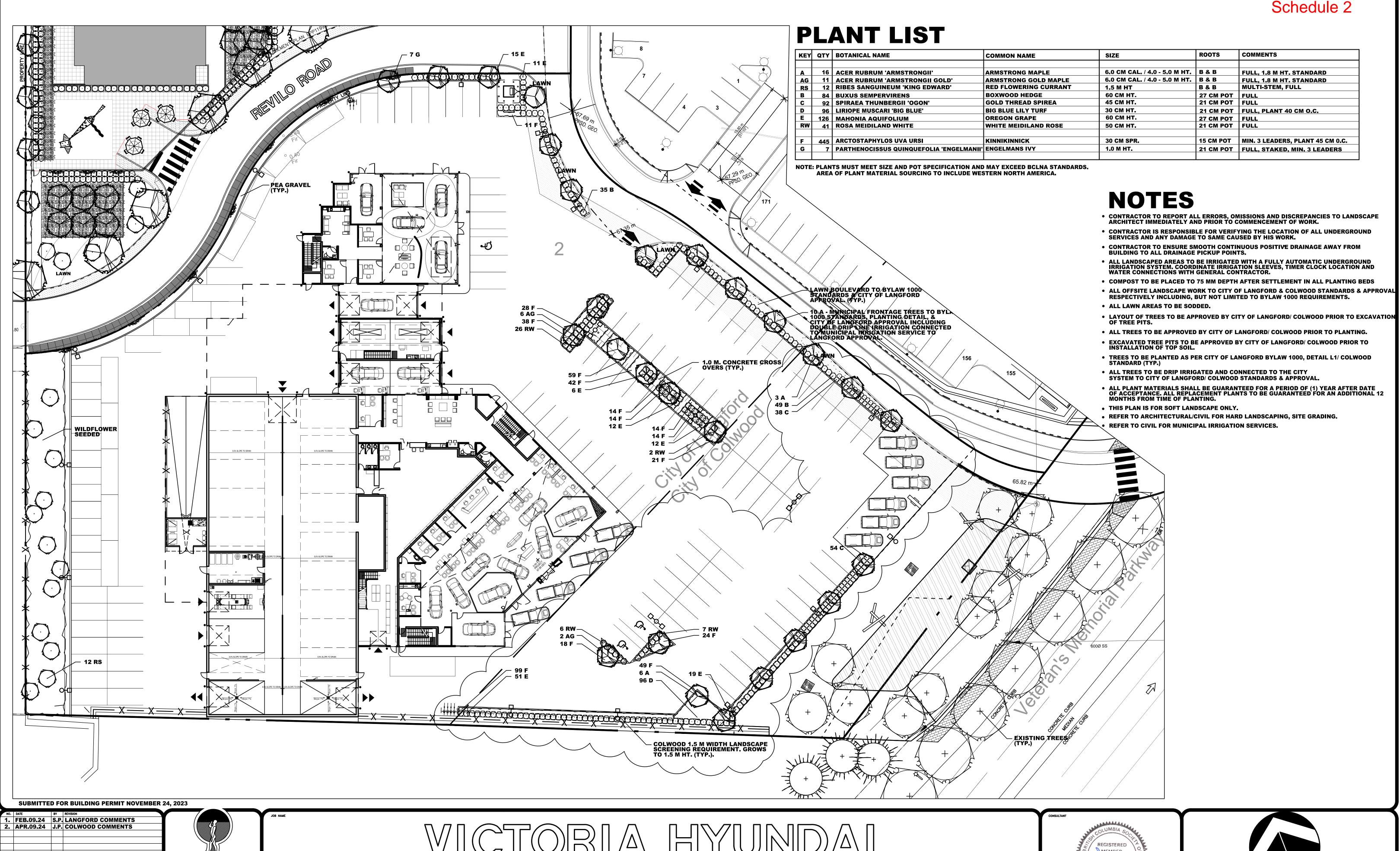
drawing title:
PROPOSED PYLON SIGN
DETAILS

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date:	27 JUNE '24	scale:	AS NOTE
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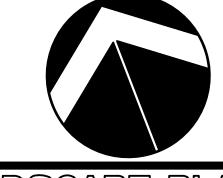


VICTORIA HYUNDAI VICTORIA, B.C.

S.P.

**JUNE 15, 2023** 





# KOT Hyundai (Colwood)

Cost Estimate - April 10, 2024 KOTH H - L1R4R3.1.dwg

Landscape	Quantity	Unit	U	nit Price	Total	
Soft Landscape Items						
Columnar Deciduous Trees (6.0 cm. Cal.)	11	ea	\$	700.00	\$	7,700.00
Shrubs (27 cm. pot)	72	ea	\$	45.00	\$	3,240.00
Shrubs (21 cm. pot)	92	ea	\$	25.00	\$	2,300.00
Groundcover ( 15 cm. pot)	286	ea	\$	15.00	\$	4,290.00
Lawn - Sodded	20	sq.m.	\$	40.00	\$	800.00
Topsoil - Planting Beds (45 cm depth)	72	cu.m.	\$	45.00	\$	3,240.00
Irrigation		allow	\$	6,500.00	\$	6,500.00
Sub Total					\$	28,070.00
TOTAL					\$	28,070.00

Note: The Above Includes all labor and material costs.





June 13, 2024

Island West Coast Development 2214 McCullough Rd Nanaimo BC V9S 4M8

Attn: Rhonda Greggain & Robert Armeneau

Via Email: Rhonda.greggain@iwcd.ca; robert.armeneau@iwcd.ca

RE: RIPARIAN DISTURBANCE RESTORATION PLAN

KOT VICTORIA HYUNDAI – 2390 BRICKSHIRE DRIVE LANGFORD

#### 1.0 INTRODUCTION

Aquaparian Environmental Consulting Ltd (Aquaparian) was retained by Island West Coast Developments (IWCD) to provide a riparian restoration plan and cost estimate for two small areas that will be impacted to install a sanitary / sewer connection and a stormwater outfall and headwall. The two small areas are located within a previously restored riparian area next to a constructed stormwater detention pond. The City of Colwood requires a restoration plan with a cost estimate to restore these two areas as per the original riparian restoration plan prepared for the Victoria Hyundai project located at 2390 Brickshire Drive in Langford BC. Figure 1 is a site location map.

Aquaparian has based the following restoration plan on the original landscape plan produced for the project by Eliza Oprescu of Studio TLA and the estimated disturbance areas provided by IWCD which are  $50m^2$  for the sanitary sewer connection and  $20m^2$  for the stormwater outfall to the pond. Both areas of disturbance are located within the Pond Edge Restoration Area identified on the landscape plan within the upper ¾ of the bank slope. Figure 2 attached shows the disturbance area overlaid on a section of the Studio TLA landscape plan and a section of the servicing engineering drawing.

The species list for this area recommended by Studio TLA included species that range from wet to dry moisture regimes including semi-aquatic to upland plants. As the restoration areas are limited to the upper slope area and will be overlying infrastructure, no trees are recommended to be replanted and the dry species on the list are preferred. The total estimated disturbance area is 70m<sup>2</sup>.

Species recommended for this zone by Studio TLA are identified in the table below with the recommended number to be replanted over the proposed disturbance area as well as alternative species more suitable to the upper slope. If the actual disturbance area is different from the estimated areas, adjust the number of plants based on the recommended density.

Table 1: Species List from Landscape Plan for the Pond Edge Zone

Name	Species	Habitat Preference	Replacement		
			Recommendation		
Red alder	Alnus rubra	Dry / sun	0		
Slough sedge	Carex obnupta	Wet / shade	0		
Salal	Gaultheria shallon	Dry / shade	20 x 1 Gal pot		
Meadow barley	Hordeum brachyantherum	Moist to mesic / sun	0		
Oregon grape	Mahonia aquifolium	Dry / sun	4 x 1 Gal pot		
Dune willow	Dune willow Salix hookeriana		0		
		partial shade			
Pacific willow	Salix lucida	Moist to Wet / sun /	0		
		partial shade			
Sitka willow	Salix sitchensis	Wet / sun / partial	0		
		shade			
Western spirea	Spirea douglasii	Moist to Wet / sun /	0		
		shade			
Broad leaved cattail	Typha latifolia	Wet / sun	0		
Alternative					
Species					
Nootka rose	Rosa nutkana	Dry / sun	25 x 1 Gal pot		
Snowberry	Symphoricarpos albus	Dry / sun	25 x 1 Gal pot		

#### **Recommendations:**

- Plant salal in patches of 3 to 5 and density 4 / m<sup>2</sup> preferably with some shade from adjacent trees or tall shrubs.
- Plant shrubs (Tall Oregon grape, Nootka rose and Snowberry) 1m apart on centre.
- Adjust number of plants based on density for the actual disturbance area following construction.
- Install the plants during cool wet weather (fall or spring).
- Add a handful of bonemeal during installation to reduce transplant shock.
- Irrigate as necessary through the first two summer seasons or until plants are established.
- Remove invasive species if they have germinated since the original restoration (Himalayan blackberry, scotch broom, Spurge laurel etc) as per the original planting plan recommendations.



#### 2.0 BOND ESTIMATE

Species	Quantity	Unit Price	Total
Nootka rose	25 x 1 Gal	\$11	\$275
Snowberry	25 x 1 Gal	\$11	\$275
Tall Oregon grape	4 x 1 Gal	\$11	\$275
Salal	20 x 1 Gal	\$11	\$275
Roadside or coastal reclamation seed mix	17kg bag	\$150	\$150
Plants Total			\$1250
GST			\$62.50
Labour estimate	2 people	1 day	\$1500
Total ·			\$2812.50

(Plant costs as per Streamside Native Plants; actual cost will vary by supplier and landscape installation company)

(The City of Colwood may require a security deposit of 110% of the above estimate if the original Bond has already been returned).

#### 3.0 CLOSURE

This report has been based on background information provided by IWCD for the subject property, past project experience working on similar development projects and in accordance with generally accepted biological practices. No other warranty is made, either expressed or implied. Aquaparian trusts that the information provided in this report meets your requirements.

Any questions regarding information provided in this document, please contact the undersigned at (250) 591-2258.

REGARDS,

AQUAPARIAN ENVIRONMENTAL CONSULTING LTD



Sarah Bonar B.Sc; R.P.Bio Senior Biologist / Principal

https://netorg5387218.sharepoint.com/sites/Shared/Shared Documents/Documents/Projects/Projects/N1182 Kot Victoria Hyundai/Riparian Disturbance Restoration Plan.docx



#### 4.0 REFERENCES

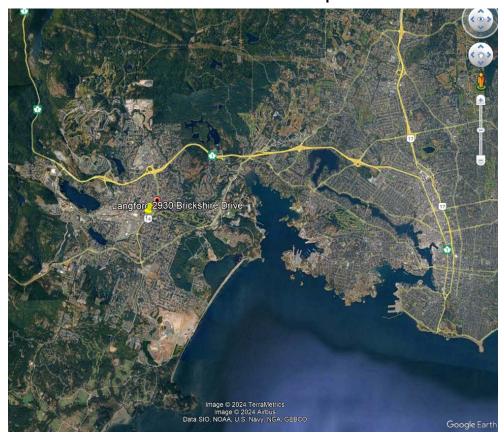
City of Colwood. Development Permit Package DP-20-025. December 10, 2020.

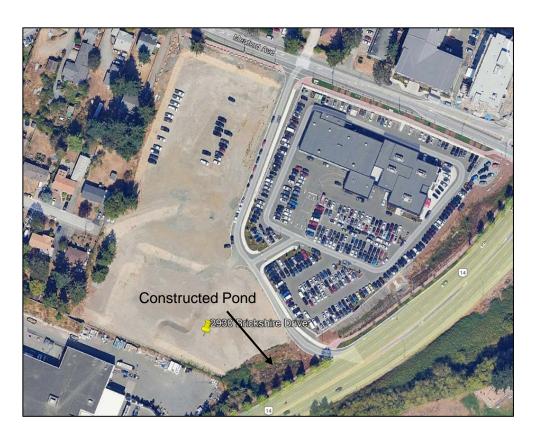
Streamside Native Plants. Accessed June 13, 2024. Streamside Native Plants



# FIGURE 1 SITE LOCATION MAP

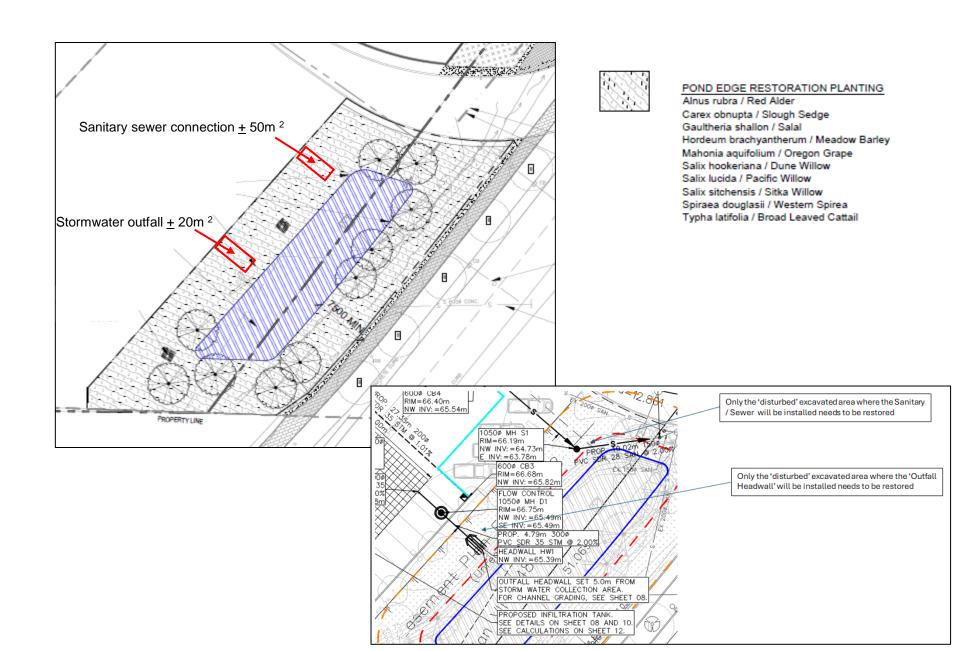
# 2930 Brickshire Drive Site Location Map





# FIGURE 2 RESTORATION AREAS

## Excerpts from Studio LTA Landscape Plan showing proposed disturbance area and species within that zone to be replaced.



#### FORM 1

Riparian Areas Protection Regulations - Qualified Environmental Professional - Assessment Report

## Riparian Areas Protection Regulation: Assessment Report Please refer to submission instructions and assessment report guidelines when completing this report.

Date 2024-01-20

#### **I. Primary QEP Information**

First Name	Thomas	N	Iiddle Name			
Last Name	Roy					
Designation	R.P. Bio	Company Cascadia Biological Services				
Registration #	1089	Email cascad	Email <u>cascadiabiolgical@shaw.ca</u>			
Address	772 Goldstream Ave P	4				
City	Victoria	Postal/Zip	V9B 5S4	Phone #	250 888-4864	
Prov/state	BC	Country	Canada			

#### II. Secondary QEP Information (use Form 2 for other QEPs)

First Name	Middle Name				
Last Name					
Designation		Company			
Registration #		Email			
Address					
City	Postal/Zip		Phone #		
Prov/state	Country				

#### **III. Developer Information**

First Name	John	Middle N	lame	
Last Name	Kot			
Company	Kot Victoria Land Holdings	Ltd		
Phone #	250 826-8685		Email johnkot@kotau	togroup.com
Address	3777 Highway 97 North			
City	Kelowna	Postal/Zip	V1X 5C3	
Prov/state	BC	Country	Canada	

#### IV. Development Information

Development Type	Construction:	Commercial
Area of Development (ha)	1.0	Riparian Length (m) 30
Lot Area (ha)	1.09	Nature of Development New
Proposed Start Date 2024	-03-15	Proposed End Date 2026-12-31

#### V. Location of Proposed Development

Street Address (or nearest town)		2930 E	Brickshire Drive	;					
Local Government	City of Colwood			City Colwood					
Stream Name	Unnamed Tributary to Colwood Creek			(					
Legal Description (PID)	031-839-088			Reg	ion	CRE	)		
Stream/River Type	Stream			DFO A	rea	Sout	th Coast		
Watershed Code	Unnamed trib to WSC 920-040500								
Latitude	48	26	35	Longitude	123	30		00	i

Completion of Database Information includes the Form 2 for the Additional QEPs, if needed. Insert that form immediately after this page.

Form 1 Page 1 of 27

## Table of Contents for Assessment Report

	Pag	e Number
1.	Description of Fisheries Resources Values	
2.	Results of Riparian Assessment (SPEA width)	
3.	Site Plan	
4.	Measures to Protect and Maintain the SPEA  (detailed methodology only).  1. Danger Trees	
5.	Environmental Monitoring	
6.	Photos	· <b>·</b>
7.	Assessment Report Professional Opinion	

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# Section 1. Description of Fisheries Resources Values and a Description of the Development proposal

(Provide as a minimum: Species present, type of fish habitat present, description of current riparian vegetation condition, connectivity to downstream habitats, nature of development, specific activities proposed, timelines)

The purpose of this report is to identify watercourses and associated Riparian Areas Protection Regulations (RAPR) setbacks for a proposed commercial construction project. The proposed commercial development is located along the City of Colwood and Langford border. The parent property at this location is located within both City's boundaries. (split civic location as well as split zoning and development permit areas). At the time of our assessment in September/October of 2023, there was one ditch that met the definition of a waterbody identified under the RAPR legislation. It was constructed by myself over upland habitat as part of a development permit application requirement with the City of Colwood. It connects via two culverts and a vegetated swale to Colwood Creek approximately 100m downstream and across the Veterans Memorial Parkway (VMP). There are no fish upstream of Colwood Creek into the culvert system across VMP as it is impassable given the grade and length of culvert. The constructed ditches/swales were a requirement by the City of Colwood to ensure stormwater management for this new development. Previous requirements of the DP required replanting of the ditch banks up to the 7.5m riparian SMZ. This has been completed and vegetation is now at the pole sapling stage of development. There are no natural state areas within the boundaries of this lot including adjacent lots.

Form 1 Page 3 of 27

## Section 2. Results of Riparian Assessment (SPEA width)

					(	
2. Results of Detailed Riparian Assessment						
		•	1 7336331	mem	5 /	2024.01.20
Refer to Chapter 3	• • • • • • • • • • • • • • • • • • • •			Date	e: 2024-01-20	
Description of \	Water bo <u>dies ir</u>	<u>ıvolv</u> ed (ı	number, typ	e)	1 stream	
Stream	1					
Wetland						
Lake						
Ditch						
Number of reaches	1					
Reach #	1					
Channel width and slope and Channel Type (use only if water body is a stream or a ditch, and only provide widths if a ditch)						
starting po	nel Width(m) int 3		Gradient (		Roy, hereby certify that:	
upstrea		Low	0.0	a) Iama o	ualified environmental profe	
upstiea	3	LOW				ons made under the Riparian
	3				rotection Act alified to carry out this part o	of the assessment of the
		High			ment proposal made by the	
downstrea		riigii			Ioldings Ltd;	•
downstice	3			c) I have c	arried out an assessment o	f the development proposal
	3				assessment is set out in thi ng out my assessment of the	
	3					nods set out in the Schedule
	3		0.5		iparian Areas Regulation.	
	3		0.0			
Total: minus high /lo						
mea	_					
11100		C/P	S/P			
Channel Ty		<u> </u>				
Site Potential Vegetation Type (SPVT)						
	Yes No					
SPVT Polygons	X				ns, if No then fill in one s	et of SPVT data boxes
			Roy, hereby			Dinanian Ansas Duatastian
					orofessional, as defined in the Darian Areas Protection Act	ne Riparian Areas Protection
						ade by the developer Kot
			oria Land Ho			240 27 110 101010 1101
		b) I have	carried out ar	n assessme	nt of the development propo	osal and my assessment is
			it in this Asses		*	I I bear fallows date
					of the development propose	
Б. Б. Б.	4	asses			the Schedule to the Riparia	n Areas Regulation.
Polygon No:		TD	iviethod	employed	if other than TR	
	LC SH	TR				
SPVT Type		Χ				
Polygon No:			Method 6	employed	if other than TR	

Form 1 Page 4 of 27

# FORM 1 Riparian Areas Protection Regulations - Qualified Environmental Professional - Assessment Report

SPVT Type	SH	TR				
Polygon No: SPVT Type			lethod emplo	yed if other th	an TR	
Zone of Sensitivity (2	ZOS) and	resultant S	PEA			
Segment 1 No:	wate	s of a stream er□bodies mu gons				ment. For all multiple SPVT
LWD, Bank and Ch Stability ZO Litter fall and insect	annel 2 S (m)	gono				
	S (m)	South b	ank Yes		No X	
Ditch Justification	on descript	ion for classify aters or spring	ying as a ditcl		The ditch myself for developen habitat. water in the it was conto fish had downstred bio swaled fish bear culvert un Memoria There are	n was constructed by a previous ment over upland alt has never seen the past 3 years since enstructed. It connects abitat approx.100m am via culverts and es ditches. It is non ing given the long ender the Veterans I Parkway (see map). The ender this unnamed
Ditch Fish Yes Bearing		No		h bearing inse aring status re		
SPEA Maximum	2	(For ditch use				
Segment						
LWD, Bank and Channel Stability ZOS (m) Litter fall and insect drop ZOS (m) Shade ZOS (m) max South bank Yes No  SPEA maximum (For ditch use table3-7)						
Segment						gment. For all water
No: LWD, Bank and Ch	annel	oules multiple	segments oc	our where the	ie aie multi	ple SPVT polygons
Stability ZO Litter fall and insect						
Shade ZOS (m) ma		South b	ank Yes	N	0	

Form 1 Page 5 of 27

#### FORM 1

Riparian Areas Protection Regulations - Qualified Environmental Professional - Assessment Report

SPEA	Maximum	(For ditch use table3-7)	
<b>U</b> : <b>—</b> / \		(i oi ditoii doo tabloo i j	

I, Thomas Roy , hereby certify that:

- a) I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulations made under the Riparian Areas Protection Act;
- b) I am qualified to carry out this part of the assessment of the development proposal made by the developer; Kot Victoria Land Holdings Ltd
- c) I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and
- d) In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Schedule to the Riparian Areas Regulation.

#### **Comments**

Segment 1 represents the left bank facing downstream. There is an additional buffer of 7.5m on the ditch as part of the original DP application with the City of Colwood. This adds an additional 5.5m to the ditch over and above the 2m SPEA

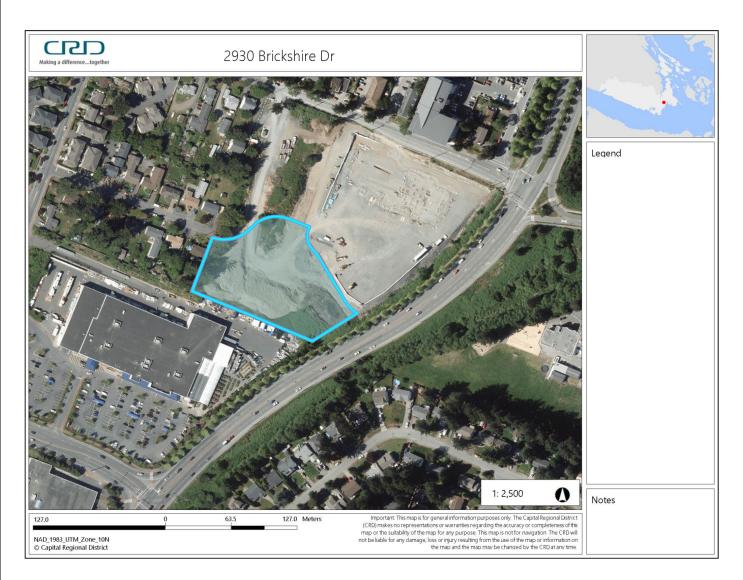
Form 1 Page 6 of 27

### Section 3. Site Plan

Insert jpg file below

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## Site Plan



Note: Blue polygon represents the subject property

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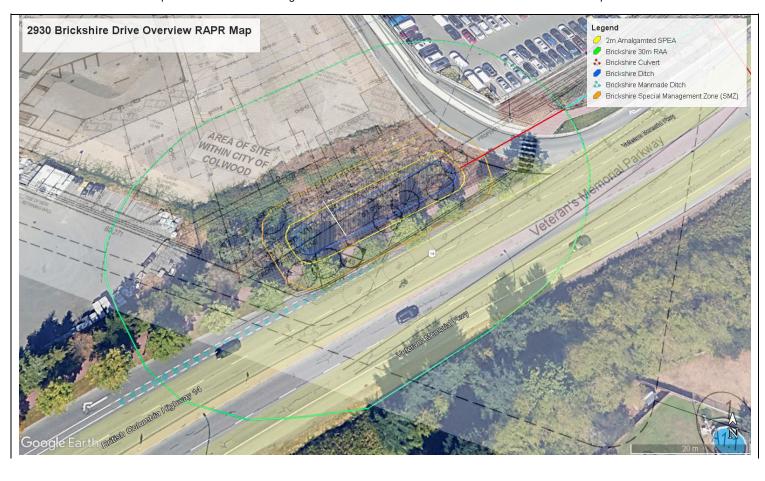
FORM 1
Riparian Areas Protection Regulations - Qualified Environmental Professional - Assessment Report



Note: View of constructed ditch. Blue polyline represents the ditch established HWM through culvert invert. Yellow polyline represents the 2m ditch SPEA. Orange polyline represents the 7.5m riparian habitat setback from DP. Green polyline represents the 30m RAA

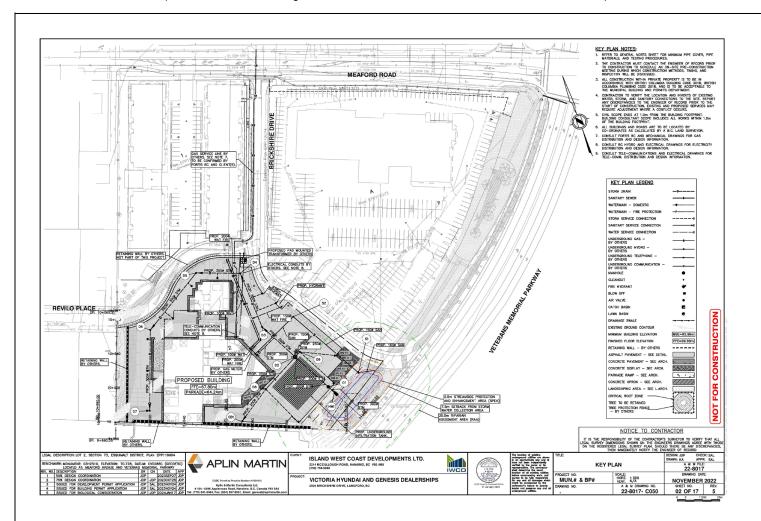
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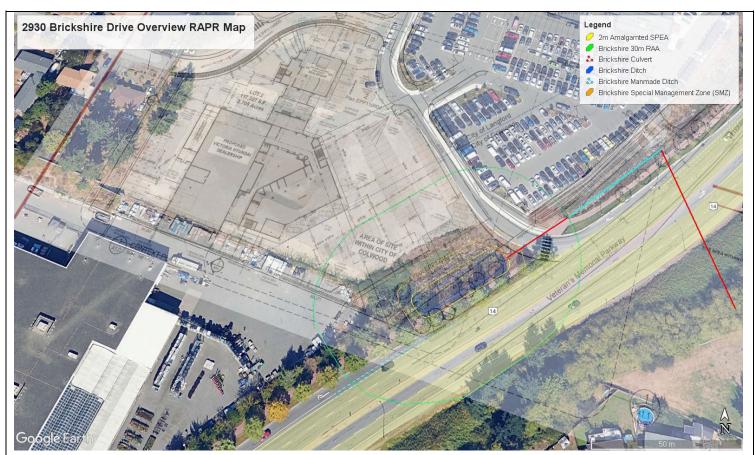
FORM 1
Riparian Areas Protection Regulations - Qualified Environmental Professional - Assessment Report



Note: View of constructed ditch. Blue polyline represents the ditch established HWM through culvert invert. Red polyline represents the 2m ditch SPEA. Orange polyline represents the 7.5m riparian habitat setback from DP. Green polyline represents the 30m RAA

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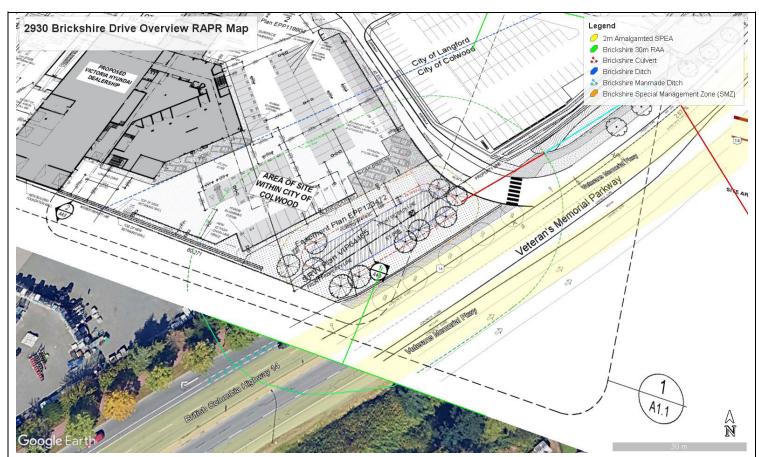
FORM 1
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Note: View of constructed ditch. Blue polyline represents the ditch established HWM through culvert invert. Yellow polyline represents the 2m ditch SPEA. Orange polyline represents the 7.5m riparian habitat setback from DP. Green polyline represents the 30m RAA

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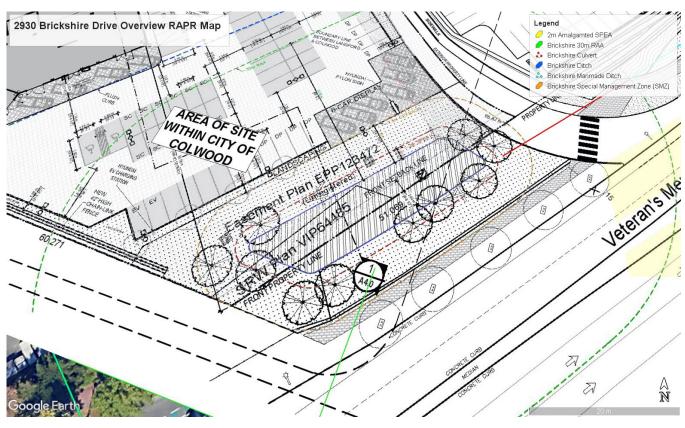
FORM 1
Riparian Areas Protection Regulations - Qualified Environmental Professional - Assessment Report



Note: View of constructed ditch. Blue polyline represents the ditch established HWM through culvert invert. Red polyline represents the 2m ditch SPEA. Orange polyline represents the 7.5m riparian habitat setback from DP. Green polyline represents the 30m RAA

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#### Section 4. Measures to Protect and Maintain the SPEA

This section is required for detailed assessments. Attach text or document files, as need, for each element discussed in chapter 1.1.3 of Assessment Methodology. It is suggested that documents be converted to PDF before inserting into the assessment report. Use your "return" button on your keyboard after each line. You must address and sign off each measure. If a specific measure is not being recommended a justification must be provided.

1.	Danger Trees	Danger trees are not a concern on this site as there are no larger				
		trees remaining within the 30m RAA. This is a constructed ditch				
		over barren upland habitat				
I <u>, Th</u>	omas Roy, hereby certify that:	-				
a.	I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulations made under the Riparian Areas Protection Act:					
b.	I am qualified to carry out this part of the assessment of the development proposal made by the developer. Kot Victoria  Land Holdings Ltd					
e)	I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation.					
2.	Windthrow	Windthrow is not a concern on this site as there are no large trees remaining within the 30m RAA. This was a constructed ditch				
I Th	nomas Roy, hereby certify that:	after the site was regraded				
a.		as defined in the Riparian Areas Protection Regulations made under the				
b.	•	essment of the development proposal made by the developer Kot Victoria				
	Land Holdings Ltd					
c.		opment proposal and my assessment is set out in this Assessment Report; and In				
	carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation.					
3.	Slope Stability	Slope stability is not a concern on this site due to the absence of				
		steep slopes and that there are no trees within the 30m RAA. The ground at this location is predominantly of low grade 0-5%				
I, <u>Th</u>	omas Roy, hereby certify that:					
a.	I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulations made under the Riparian Areas Protection Act;					
b.	I am qualified to carry out this part of the assessment of the development proposal made by the developer Kot Victoria					
	Land Holdings Ltd					
c.	I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation.					
4.	Protection of Trees	Storm fencing will be placed by the designated QEP along the 7m				
	110000000000000000000000000000000000000	Special Management Zone (SMZ). This is to include storm				
		fencing during the construction period and permanent split cedar				
		rail as a permanent fencing requirement				
I, Th	, Thomas Roy, hereby certify that:					
a.	I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulations made under the Riparian Areas Protection Act					
b.	I am qualified to carry out this part of the assessment of the development proposal made by the developer Kot Victoria					
	Land Holdings Ltd					
c.	I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation.					
5.	Encroachment	As above				
I, Th	I, Thomas Roy, hereby certify that:					
a.	Riparian Areas Protection Act					
b.	I am qualified to carry out this part of the assessment of the development proposal made by the developer Kot Victoria					

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#### FORM 1

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#### Land Holdings Ltd I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation. Sediment and Erosion Control Sediment and erosion control measures will be implemented to reduce sediment laddened water from entering the ditch during the proposed works. These will include sediment fencing and hay bales placed along disturbed areas (if any) and the SMZ. The designated QEP will install the sediment controls. A detailed sediment and erosion control plan including sediment fencing locations is presented in Attachment I. I, Thomas Roy, hereby certify that: I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulations made under the Riparian Areas Protection Act I am qualified to carry out this part of the assessment of the development proposal made by the developer Kot Victoria Land Holdings Ltd I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation. Stormwater management onsite will be through vegetated swales Stormwater Management (where appropriate) as well as settling ponds. Rock pits and/or equivalent will be installed on all new buildings. An alternative will be sending the stormwater to the City stormwater system. I, Thomas Roy, hereby certify that: I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulation made under the Riparian I am qualified to carry out this part of the assessment of the development proposal made by the developer Kot Victoria Land Holdings Ltd I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation. Floodplain Concerns (highly No concerns at this site as the ditch has been constructed to mobile channel) handle stormwater flows. I, Thomas Roy, hereby certify that: I am a qualified environmental professional, as defined in the Riparian Areas Protection Regulations made under the Riparian Areas Protection Act I am qualified to carry out this part of the assessment of the development proposal made by the developer Kot Victoria Land Holdings Ltd I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In

c. I have carried out an assessment of the development proposal and my assessment is set out in this Assessment Report; and In carrying out my assessment of the development proposal, I have followed the assessment methods set out in the Minister's technical manual to the Riparian Areas Protection Regulation.

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#### Section 5. Environmental Monitoring

Attach text or document files explaining the monitoring regimen Use your "return" button on your keyboard after each line. It is suggested that all document be converted to PDF *before* inserting into the PDF version of the assessment report. Include actions required, monitoring schedule, communications plan, and requirement for a post development report.

## Specific Recommendations for Works within 30m of a Waterbody and Outside of Designated SPEA

### 2930 Brickshire Drive – City of Colwood BC

### Works Within 30m RAPR Riparian Assessment Area

- Prior to the proposed works, a sediment and erosion control plan will be developed to prevent the discharge of sediment laden water into the SPEA or any watercourse
- No works shall be undertaken within areas designated as SPEA associated with this phase of the development except for the stormwater outfall proposed. Permits for this work will be through the Section 11 Notification under the Water Sustainability Act
- All works Scheduled Within 30m of a Watercourse will adhere to all recommendations as outlined in the Ministry of Environment's Develop with Care, *Environmental Guidelines for Urban and Rural Development in British Columbia*, 2012. As well:
  - Ensure construction will proceed smoothly without harmful alteration of habitat;
  - Provide long-term monitoring for disturbed sites until greenup is established and the soils at the site are stable.
- Heavy equipment (excavators etc.) working within the RAA will be monitored for leaks (oil, hydraulic fluid etc.).
- Sediment control measures will be installed (where necessary) along disturbed areas to minimize sediment inflow to the SPEA and ditch.
- Areas designated as the SPEA will be flagged with high visibility flagging tape and temporary fencing.
- Disturbed areas within 30m of a waterbody will be revegetated with native plants of a size that will quickly re-establish riparian cover when construction activities are deemed complete.

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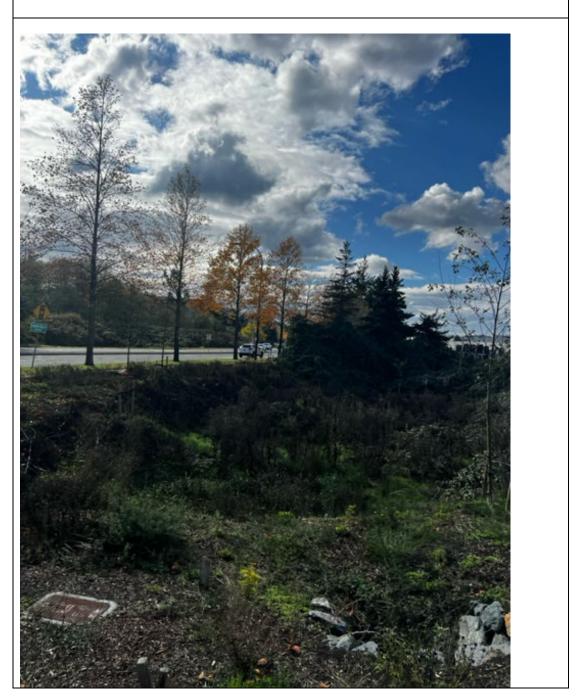
- Detailed direction to contractors will be given to ensure that no erosion or sediment movement will occur and that no silt will be released to the SPEA or watercourse during the construction and post construction phase.
- The site will be monitored by the designated QEP (once every two weeks or as required due to high rainfall events >30mm/24 hour period) during the construction period. Any contraventions of the RAPR will be communicated to the builder as well as local municipal staff and RAPR staff.
- A post construction report generated by the designated QEP will be submitted to RAPR and local municipal staff within four months of the end of construction activities.

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# Section 6. Photos

Plate #1

Typical view of the stormwater channelized ditch



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Plate #2

View upstream of typical channel morphology and vegetation



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## Section 7. Professional Opinion

Qualified Environmental Professional opinion on the development proposal's riparian assessment.

Date	2024-01-20		
1. I/W <u>Roy</u>	/e <u>Thomas</u>	 	

Please list name(s) of qualified environmental professional(s) and their professional designation that are involved in assessment.)

hereby certify that:

- a) I am/We are qualified environmental professional(s), as defined in the Riparian Areas Protection Regulation made under the *Riparian Areas Protection Act*:
- b) I am/We are qualified to carry out the assessment of the proposal made by the developer Kot Victoria Land Holdings Ltd; which proposal is described in section 3 of this Assessment Report (the "development proposal"),
- c) I have/We have carried out an assessment of the development proposal and my/our assessment is set out in this Assessment Report; and
- d) In carrying out my/our assessment of the development proposal, I have/We have followed the specifications of the Riparian Areas Protection Regulation and assessment methodology set out in the minister's manual; AND
- 2. As qualified environmental professional(s), I/we hereby provide my/our professional opinion that:
  - a) N/A the site of the proposed development is subject to undue hardship, (if applicable, indicate N/A otherwise) and
  - b) the proposed development will meet the **riparian protection standard** if the development proceeds as proposed in the report and complies with the measures, if any, recommended in the report.

[NOTE: "Qualified Environmental Professional" means an individual as described in section 21 of the Riparian Areas Protection Regulation.]

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# Submission Instructions Riparian Areas Protection Regulation – Qualified Environmental Professional – Assessment Report RAR-QEP-AR

## Forms you will need to complete are

- Form 1 which has the database information, the description of the fisheries resources, development site plan, measures to protect and maintain the SPEA, and environmental monitoring.
- Form 2, if more QEPs are part of the project team.
- ➤ Either Form 3 the detailed assessment form(s) or Form 4 simple assessment form(s) which is for the results of the riparian assessment (SPEA width). Use enough copies of the form to complete the assessment of the site.
- Form 5 is the photo form(s). Duplicate for additional photos.

NB: See the Guidelines and the Assessment Methods for detailed instructions on the information required for completing the Assessment Report.

A complete Riparian Assessment Report based on the template forms must be converted to a *single* Portable Document Format PDF file prior to uploading onto the Notification System.

The Assessment Report must be complete, by submitting the information specified, and posted to provide notification to the local government, Ministry of Water, Land and Air Protection and the Department of Fisheries and Oceans Canada.

## Tips for working with MS Word Template Forms

Using the forms

- Before beginning, print a hard copy of the form and the guidance files for reference
- · Open the template
- Enter data into the shaded fields on the form
- Use TAB to move from one field to another; SHIFT-TAB to go in reverse
- · Text and digital photos may be inserted from other applications
- The amount of text that can be entered in each box is limited and cannot be changed by the user; boxes with date information, for example, require input like: yyyy-mm-dd.

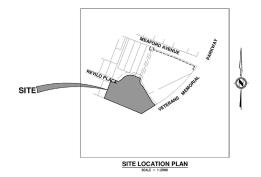
### Saving the completed form

- · Assign name to the completed form
- Save a word document (\*.doc file)
- Do not overwrite the Template (\*.dot file) with your completed form
- · If you do overwrite the template, you can download a new copy from this web site

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## Attachment I - Detailed Sediment Control Plan





## DRAWING INDEX

MUNICIPAL PROJECT No. DP000007 & DP23-0051

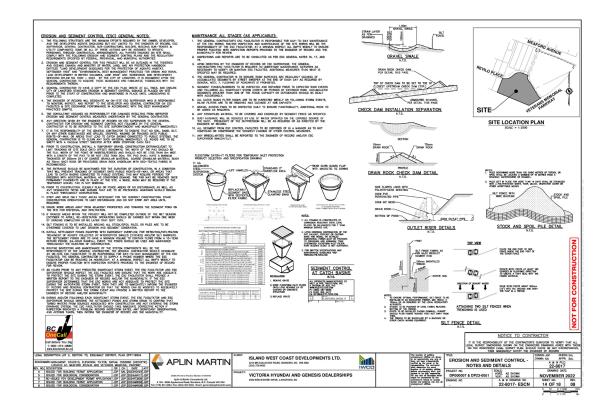
APLIN & MARTIN PROJECT No. 22-8017

DEVELOPER:

ISLAND WEST COAST DEVELOPMENTS LTD. 2214 MCCULLOUGH ROAD, NANAMO, BC 1995 4MB (259) 758-695

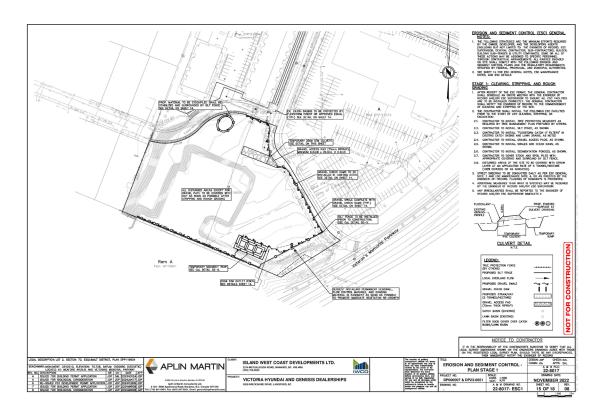
PROJECT:
VICTORIA HYUNDAI AND GENESIS DEALERSHIPS
200 BRICKSHIRE DRIVE, LANGFORD, RC

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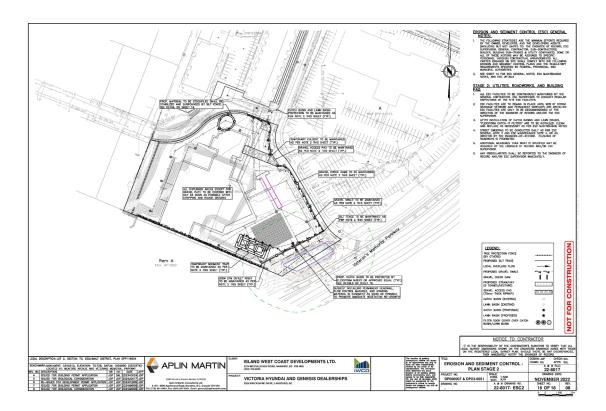
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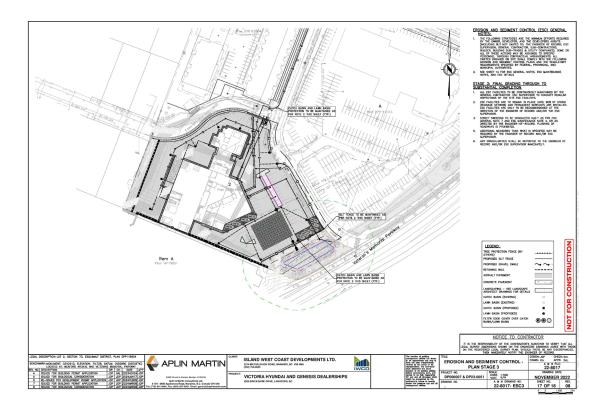
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Aplin & Martin Consultants Ltd. #104 - 6596 Applecross Road, Nanaimo, BC, Canada V9V 0A4 Tel: (778) 841-0484, Fax: (604) 597-9061, Email: general@aplinmartin.com

#### **DEVELOPER:**

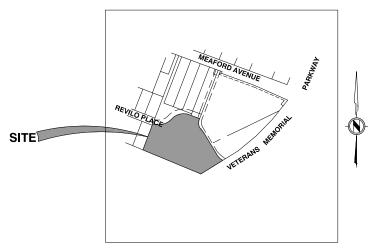
#### ISLAND WEST COAST DEVELOPMENTS LTD.

2214 MCCULLOUGH ROAD, NANAIMO, BC V9S 4M8 (250) 756-9665

#### PROJECT:

**VICTORIA HYUNDAI AND GENESIS DEALERSHIPS** 

2930 BRICKSHIRE DRIVE, LANGFORD, BC



SITE LOCATION PLAN

#### **DRAWING INDEX**

DRAWING No. REV No. DRAWING TITLE COVER 22-8017-C000 22-8017-C050 KEY PLAN 22-8017-C070 EXISTING CONTOUR PLAN 22-8017-C100 GRADING PLAN 22-8017-C150 GRADING SECTIONS - WEST PL 22-8017-C200 SERVICING PLAN 22-8017-C250 SERVICING PROFILE - STORM UTILITY COORDINATION PLAN 22-8017-C300 DETAILS 22-8017-C700 FIRE PROTECTION PLAN 22-8017-C800 STORMWATER MANAGEMENT PLAN 22-8017-C810 SANITARY CATCHMENT PLAN EROSION AND SEDIMENT CONTROL - NOTES AND DETAILS 22-8017-ESC1 EROSION AND SEDIMENT CONTROL - PLAN STAGE 1 EROSION AND SEDIMENT CONTROL - PLAN STAGE 2 22-8017-ESC2 EROSION AND SEDIMENT CONTROL - PLAN STAGE 3

RECEIVED May-31-2024

MUNICIPAL PROJECT No.

DP000007 & DP23-0051

**APLIN & MARTIN PROJECT No. 22-8017** 

 ALL CONSTRUCTION WITHIN PRIVATE PROPERTY IS TO BE IN ACCORDANCE WITH BRITISH COLUMBIA BUILDING CODE 2018, BRITISH COLUMBIA PLUMBING CODE 2018, AND IS TO BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ) BUILDING AND PERMITS DEPARTMENT.

ALL ELEVATIONS ARE METRIC AND TO GEODETIC DATUM. COORDINATES ARE GROUND LEVEL (UTM NAD 83 WITH COMBINED SCALE FACTOR OF 1/0.99965).

4. ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND ALL STRUCTURES ARE NOT NECESSARILY SHOWN.

5. TREE PROTECTION TO BE INSTALLED AS PER CoL STD DWG L5, THE TREE PROTECTION PLAN, AND/OR AS DIRECTED BY THE PROJECT ARBORIST

CONTRACTOR TO VERIFY THE LOCATION AND INVERTS OF EXISTING WATER, STORM, AND SANITARY CONNECTIONS
TO THE SITE. REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO THE START OF
CONSTRUCTION. EXISTING AND PROPOSED SERVICES MAY REQUIRE ADJUSTMENT WHERE A CONFLICT OCCURS.

7. ANY ALTERNATIVES TO SPECIFIED MATERIALS OR APPURTENANCES TO BE APPROVED BY THE AHJ ENGINEER PRIOR TO CONSTRUCTION.

CIVIL SCOPE ENDS AT 1.0m FROM THE PROPOSED BUILDING FOOTPRINT. BUILDING CONSULTANT SCOPE INCLUDES ALL WORKS 1.0m WITHIN THE BUILDING FOOTPRINT.

TRENCHING TO BE AS PER Col. STD DWG SS G4 OR AHJ APPROVED DRAWING. TRAVELED AREA BACKFILL TO BE MPORTED GRANULAR MATERIAL COMPACTED TO MINIMUM 95% MODIFIED PROCTOR, UNLESS OTHERWISE APPROVED BY THE GEOTECHNICAL BRONCER OF RECORD.

ALL ASBESTOS CEMENT ENCOUNTERED WITHIN THE TRENCH LINE SHALL BE REMOVED AND DISPOSED OF, OR ABANDONED, IN ACCORDANCE WITH WORKSAFE BC AND AHJ REQUIREMENTS.

ALL PIPING AND RELATED APPURTENANCES TO BE INSPECTED AND APPROVED BY THE ENGINEER OF RECORD, OR THEIR REPRESENTATIVE, PRIOR TO BACKFILLING.

12. ASPHALT PAVEMENT RESTORATION TO BE AS PER CoL STD DWG SS G5 OR AHJ APPROVED DRAWING.

13. ALL SURFACE RESTORATION (ROADS, CURBS, SIDEWALKS, ETC) SHALL BE TO ORIGINAL CONDITION OR BETTER WATERMAIN NOTES:

ALL WATER PIPES TO HAVE A MINIMUM 1.2m OF COVER, UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER OF RECORD.

2. ALL WATER MAINS TO BE PVC DR18, UNLESS OTHERWISE NOTED. SIZE NOTED ON PLAN OR PROFILE.

ALL EXISTING WATER MAINS TO BE REMOVED OR ABANDONED ONLY ONCE EXISTING WATER MAIN IS DECOMMISSIONED OR AS APPROVED BY THE ENGINEER OF RECORD.

ALL WATER MAIN JOINTS TO BE RESTRAINED AS PER CRD STANDARDS SECTION 4.7.4 FOR THRUST BLOCKS AND JOINT RESTRAINTS.

ALL WATER MAIN JOINTS WITHIN 3.0m HORIZONTAL OR 0.45m VERTICAL OF SANITARY SEWER OR STORM DRAINS TO BE PROTECTED BY SHRINK WRAP OR PETROLEUM TAPE AS PER CRD STANDARDS SECTION 4.2.6 FOR WATERMAIN LOCATION, DEPTH AND GRADE.

6. TESTING OF THE WATER SYSTEM TO BE IN ACCORDANCE WITH CRD STANDARDS SECTION 2.9 TESTING AND DISINFECTION.

#### SANITARY SEWER NOTES:

ALL SANITARY PIPES TO HAVE A MINIMUM 1.5m OF COVER IN ROAD RIGHT—OF—WAYS AND 1.0m IN UNTRAVELED AREAS, UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER OF RECORD.

2. ALL SANITARY MAINS TO BE PVC SDR2B, UNLESS OTHERWISE NOTED, SIZE NOTED ON PLAN OR PROFILE.

3. ALL SANITARY SERVICE CONNECTIONS TO BE 150¢ PVC SDR28 UNLESS OTHERWISE NOTED.

4. ALL SANITARY FORCE MAINS TO BE HDPE DR12 UNLESS OTHERWISE NOTED.

5. ALL SANITARY SERVICE BOXES TO BE IN ACCORDANCE WITH CoL STD DWG SS S9

CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SERVICE TO EXISTING USERS DURING CONSTRUCTION THROUGH BYPASS PURPINIC. THE CONTRACTOR IS TO PROVIDE A BYPASS PURPINING PLAN PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT THE PUMPING EQUIPMENT IS KEPT IN GOOD WORKING CONDITION DURING THE PROJECT.

7. ALL TESTING TO BE IN ACCORDANCE WITH Col. BYLAW SECTION 6.7 TESTING AND MMCD STANDARDS.

8. THE CONTRACTOR IS TO FLUSH ALL MAINS AND PROVIDE CCTV INSPECTION TO THE ENGINEER OF RECORD PRIOR TO ASPHALT RESTORATION.

#### STORM DRAINAGE NOTES:

ALL STORM PIPES TO HAVE A MINIMUM 1.5m OF COVER IN ROAD RIGHT—OF—WAYS AND 1.0m IN UNTRAVELED AREAS, UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER OF RECORD.

2. ALL STORM MAINS TO BE PVC SDR28, UNLESS OTHERWISE NOTED. SIZE NOTED ON PLAN OR PROFILE.

3. ALL STORM DRAINAGE SERVICE CONNECTIONS TO BE 1500 PVC SDR28, UNLESS OTHERWISE NOTED.

4. ALL CATCH/LAWN BASIN LEADS TO BE 200¢ PVC SDR35, UNLESS OTHERWISE NOTED.

5. ALL PERFORATED DRAIN PIPES TO BE PVC SDR35, UNLESS OTHERWISE NOTED.

6. ALL STORM DRAINAGE SERVICE BOXES TO BE IN ACCORDANCE WITH Col. STD DWG SS S9.

ALL CATCH BASINS WITHIN CITY RIGHT-OF-WAY TO BE CITY OF LANGFORD AS PER CoL STD DWG SS S11, UNLESS OTHERWISE NOTED.

8. ALL LAWN BASINS WITHIN CITY RIGHT-OF-WAY TO BE AS PER MMCD STD DWG S12. UNLESS OTHERWISE NOTED.

 PROPOSED STORM DRAINAGE SERVICES ARE TO BE INSTALLED BELOW EXISTING BASEMENT ELEVATION OR AT THE SAME INVERT AS THE SANITARY SERVICES WHERE POSSIBLE, UNLESS OTHERWISE NOTED OR APPROVED BY THE SAME INVERT AS THE SENGINEER OF RECORD.

NOT ALL STORM CONNECTIONS ARE SHOWN. SOME PROPERTIES MAY HAVE MORE THAN ONE CONNECTION TO THE EXISTING DITCH OR ADJACENT CULVERT.

11. ALL EXISTING STORM DRAINS AND CULVERTS TO BE ABANDONED SHALL BE INSPECTED FOR EXISTING STORM CONNECTIONS. A LL EXISTING CONNECTIONS ARE TO BE RELOCATED TO THE NEW STORM SEWER SYSTEM. DO NOT PLUG OR ABANDON AN EXISTING STORM DRAINAGE CONNECTION WITHOUT WRITTEN APPROVAL FROM THE AHJ CONSTRUCTION REPRESENTATIVE.

12. ALL TESTING TO BE IN ACCORDANCE WITH Col. BYLAW SECTION 5.9 TESTING AND MMCD STANDARDS.

13. THE CONTRACTOR IS TO FLUSH ALL MAINS AND PROVIDE CCTV INSPECTION TO THE ENGINEER OF RECORD PRIOR TO ASPHALT RESTORATION.

#### EROSION AND SEDIMENT CONTROL (ESC) GENERAL NOTES:

1. THE FOLLOWING STRATEGES ARE THE WINDLING FFFORTS REQUIRED BY THE OWNER, DEVELOPER, AND THE DEVELOPER AGAINS (INCLUMING BUT NOT HUMBED TO: THE SENDREFOR PERSON, ESCENSIVENSON, CORREAL CONTRACTOR, SUB-CONTRACTORS, BUILDER, BUILDING SUB-TRADES & UTILITY COMPANIES). SOME OR ALL OF THESE ACTIONS MAY BE ASSIGNED TO SPECIOR FERSONNEL THROUGH CONTRACTULA ARRANGEMENTS. ALL PARTIES ENGAGED ON SITE SHALL COMPLY WITH THE FOLLOWING EROSION AND SEDIMENT CONTROL PLANS AND THE REGULATORY REQUIREMENTS SPECIFIED BY FEDERAL, PROVINCIAL, AND MUNIOPIAL AUTHORITIES.

THE REQUIREMENTS TRECONTENDED BY TELEVIAL, PROVINCIAL, AND MUNICIPAL AUTHORITIES.

2. EROSION AND SEMIMENT CONTROL OF THIS PROCECT WILL BE AS OUTLINED IN THE PISHERIES AND OCEANS CANADA AND MINISTRY OF WATER, LAND, AND AR PROTECTION HANDBOOK ENTITLED "LAND DEVELOPMENT GUIDELINES FOR THE PROTECTION OF AUAITH CHARITAT, SEPTUREMEN 1993" AND "ENVIRONMENTAL BEST MANAGEMENT PRACTICES FOR URBAN AND RURAL LAND DEVELOPMENT IN BRITISH COLUMBIA, JUNE 2004" AND EROSION & SEDIMENT CONTROL GUIDELINE BY THE CITY OF LANGFORD AND COLVODO. IT IS INCOMENT UPON THE GENERAL CONTRACTOR TO ACQUIRE THESE GUIDELINES AND FAMILIARIZE THEMSELVES WITH THE REQUIREMENTS THEREIN.

GENERAL CONTRACTOR TO HAVE A COPY OF THE ESC PLAN ONSITE AT ALL TIMES, AND ENSURE CITY OF LANGFORD AND COLWOOD STANDARD EROSION & SEDIMENT CONTROL SIGNAGE IS PLACED ON-SITE PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED IN PLACE UNTIL LANDSCAPING IS COMPLETED.

4. THE ENGINEER OF RECORD WILL DESIGNATE AND ON-SITE ESC SUPERVISOR WHO IS RESPONSIBLE TO MONITOR, INSPECT, AND REPORT TO THE DEVELOPER AND GENERAL CONTRACTOR ON ESC FACILITIES & SITE DISCHARGE PERFORMANCE IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMP'S).

THE CONSULTANT ASSUMES NO RESPONSIBILITY FOR DAMAGES RESULTING FROM IMPROPER EROSION AND SEDIMENT CONTROL MEASURES UNDERTAKEN BY THE GENERAL CONTRACTOR.

ANY DIRECTION GIVEN BY THE ENGINEER OF RECORD OR ESC SUPERVISOR TO THE GENERAL CONTRACTOR FOR EROSION AND SEDIMENT CONTROL NOT FOLLOWED BY THE GENERAL CONTRACTOR IS TO BE REPORTED TO THE SITE SUPERINTENDENT AND MUNICIPALITY IMMEDIATELY.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT NO SOIL, SAND, SILT, OR ANY OTHER SUBSTANCES ARE SMILED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY, OR AREAS THAT LEAD TO CATCH BASINS COMMECTED TO PUBLIC SYSTEMS. THE GENERAL CONTRACTOR IS TO CLEAN MAY SUCH MATERIAL IMMEDIATELY. I.E. ROADS ARE TO BE SMEPT WITH A VACUUM STREET SWEEPER AFTER WORK

S IDPPANE EACH DAT.

S. PRIOR TO CONSTRUCTION, INSTALL A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT TO LIMIT TRACKING OF SITE SOILS ONTO OFFSITE ROADWAYS. THE WIDTH OF THE PAPA SHOULD BE THE FULL WIDTH OF THE POINT OF NICKESS/FERESS AND SHOULD NOT BE LESS THAN 6m WIDE WITH A LENGTH OF THE PAPA TO BE NOT LESS THAN 20m. THE FAD SHALL HAVE A MINIMUM THICKNESS OF 200mm (8) OF COARSE GRANULAR MATERIAL. COARSE GRANULAR MATERIAL SICH AS 75mm SHOT ROCK OF FRACTURED DRAN ROCK UNDECTAIN WITH GEO-TEXTILE FABRIC IS RECOMMENDED.

. THE ENTRANCE SHOULD BE MAINTAINED FOR THE DURATION OF CONSTRUCTION, IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, OR AREAS THAT LEAD TO CATCH BASINS CONNECTED TO PUBLIC SYSTEMS. THIS MAY REQUIRE PERIODIC TO PRESSION WITH ADDITIONAL MATERIAL AS CONDITIONS DEMAND. THE PAD MAY BE REMOVED ONCE PERMANENT PAYEMENTS ARE IN PLACE AT THE SITE. A WHEEL WASH MAY BE REQUIRED IF THE TEMPORARY GRAVEL PAD IS NOT WORKED.

10. PRIOR TO CONSTRUCTION, CLEARLY FLAG OR FENCE AREAS OF NO DISTURBANCE AS WELL AS ANY DESIGNATED TRESS AND SHRUBS THAT ARE TO BE PRESERVED. MARKINGS SHOULD REMAIN IN PLACE THROUGHOUT

STRIP AND GRUB ONLY THOSE AREAS NECESSARY FOR THE CURRENT CONSTRUCTION. STAGE CONSTRUCTION OPERATIONS TO LIMIT DISTURBANCE AND DO NOT STRIP ANY AREA UNTIL REQUIRED.

GRADE WORK AREAS AWAY FROM ADJACENT PROPERTIES AND TOWARDS THE SEDIMENT POND ON THE SITE FOR DISPERSAL AND INFILTRATION.

13. IF GRADED AREAS WITHIN THE PROJECT WILL NOT BE COMPLETED OUTSIDE OF THE WET SEASON (OCTOBER TO APRIL), REVEGETATION OPERATIONS SHOULD BE CARRIED OUT WITHIN ONE WEEK OF GRADING COMPLETION OR NO LATER THAT SEPT 15TH.

14. SILT FENCING IS TO BE INSTALLED AROUND ALL STOCK/SPOIL PILES, OR PILES ARE TO BE OTHERWISE COVERED TO LIMIT EROSION AND SEDIMENT GENERATION

15. INSTALL SETILEMENT PONDS EQUIPPED WITH EMERGENCY OVERFLOW, FOR RETENTION/INFILTRATION TREATMENT OF RUNOFF COLLECTED BY INTERCEPTOR SWALES (DITCHES) AND/OR SILT BARRIERS. THE SETILEMENT PONDS ARE TO HAVE A MINIMUM VOLUME TO CONTAIN FLOWS FROM A 10-YEAR RETURN PERIOD, 24-HOUR RAINFALL EVENT. THE PONDS SHOULD BE USED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.

16. ROUTH RESPECTION, MAY MAINTENANCE OF THE SYSTEM TOWNSHOP THE LIBERT HE RESPONSIBILITY OF THE GENERAL CONTRACTOR, HIS CARLEST CONTRACTOR SHOULD DESIGNATE AN ON-SITE ESC FACULITATOR TO BUT RESPONSIBLE FOR DAY-TO-DAY MANAGEMENT OF THE ESC FACULITES. THE GENERAL CONTRACTOR IS SUPPLY A PHONE NUMBER WHERE THE ESC FACULITATOR AND BE REACHED 24 HOURS/DAY, AT A MINIMUM. INSPECT ALL BMP'S WEEKLY TO ENS ENGINEER OF RECORD FOR REVIEW. TO ENSURE PROPER FUNCTION WITH INSPECTION REPORTS PROVIDED TO THE

ENGINEER OF RECORD FOR REVIEW.

17. 48 HOURS PRIOR TO ANY PREDICTED SIGNIFICANT STORM EVENT, THE ESC FACILITATOR AND ESC SUPERVISOR SHOULD INSPECT THE ESC FACILITIES AND ENSURE THAT THE WORK ARE ADEQUATE TO PROTECT THE SITE PRECORD AND OF THE MINIOPALITY IF THE ESC SUPERVISOR DETERMINES THAT THE ESC WIFEKS ARE NOT ADEQUATE TO PROTECT THE SITE DURING THE ANTIOPATED STORM EVENT, THEN THEY ARE TO IMMEDIATELY PROPERLY HE RONGER OF RECORD AND GENERAL CONTRACTORS OTHAT THE WORKS CAN BE WOODIFED TO ADEQUATELY PROVIDED THE SITE DURING THE STORM EVENT AND PROVIDE A WRITTEN REPORT TO THE ENGINEER OF RECORD AND GENERAL CONTRACTORS OTHAT THE WORKS CAN BE WOODIFED TO ADEQUATELY PROTECT THE SITE DURING THE STORM EVENT AND PROVIDE A WRITTEN REPORT TO THE ENGINEER OF RECORD AND/OR MUNICIPALITY.

18. DURING AND/OR FOLLOWING EACH SIGNIFICANT STORM EVENT, THE ESC FACILITATOR AND ESC SUPERVIS SHOULD GESEVE THE SETTLEMENT PONDS AND STORM DRAIN TO COMPINE THAT TURBED WATERS FROM SHOULD THE SETTLEMENT PONDS AND STORM DRAIN TO COMPINE THAT TURBED WATERS FROM FACILITATOR SHOULD TAKE MIREITATE CORRECTIVE ACTION IF INSPECTION INDICATES A PROBLEM. RECOR INSPECTION DATES, ANY SIGNIFICANT OBSERVATIONS, AND ACTIONS TAKEN, THEN INFORM THE ENGINEER RECORD AND THE MUNICIPALITY.

#### MAINTENANCE ALL STAGES (AS APPLICABLE):

1. THE GENERAL CONTRACTOR'S ESC FACULTATOR IS RESPONSIBLE FOR DAY-TO-DAY MANITEMANCE OF THE ESC WORKS, BOLUTIEN ENSPECTION AND MAINTEMANCE OF THE SITE WORKS WILL BE THE RESPONSIBILITY OF THE ESC FACULTATOR. AT A MINIMUM INSPECT ALL BMP'S WEEKLY TO ENSURE PROPER FUNCTION WITH INSPECTION REPORTS PROVIDED TO THE ENOIREED OF RECORD AND THE WUNICIPALITY FOR REVEW.

2. INSPECTIONS AND REPORTS ARE TO BE CONDUCTED AS PER ESC GENERAL NOTES 16, 17, AND 18

3. UPON DIRECTION BY THE ENGINEER OF RECORD OR ESC SUPERVISOR, THE GENERAL CONTRACTORS ESC FACILITATOR IS REQUIRED TO UNDERTAKE MANIERANCE ACTIVITIES AS NECESSARY TO MODIFY OR MAINTAIN ESC FACILITIES. ADDITIONAL MEASURES THAN WHAT IS SPECIFIED MAY BE REQUIRED.

4. THE GENERAL CONTRACTOR IS TO ENSURE ROAD SURFACES ARE REGULARLY CLEANED OF ACCUMULATED SEDIMENTS BY STREET SWEEPER AT THE END OF EACH DAY AS REQUIRED BY ESC GENERAL NOTE 7. FLUSHING SEDIMENTS BY STREET SWEEP OF ROADWAYS IS PROHIBITED.

SEDIMENT FENCES/BARRIERS TO BE INSPECTED AND REPAIRED PRIOR TO EXPECTED RAIN EVENTS AND
FOLLOWING ALL SIGNIFICANT STORM EVENTS OR PERIODS OF EXTENDED RAIN; ACCUMULATED SEDIMENTS GREATER
THAN 30% OF THE FENCE CAPACITY OR DEFICIENCIES SHOULD BE DEALT WITH ACCORDINGLY.

ALL CATCH BASIN FILTER SOCKS ARE TO BE INSPECTED WEEKLY OR FOLLOWING STORM EVENTS, INLINE FILTERS ARE TO BE REMOVED AND CLEANED AT 40% CAPACITY.

GRAVEL ACCESS PADS TO BE INSPECTED DAILY TO ENSURE FUNCTIONALITY, ADDITIONAL ROCK TO BE ADDED AS REQUIRED.

8. ANY STOCKPILED MATERIAL TO BE COVERED AND ENCIRCLED BY SEDIMENT FENCE AS SPECIFIED.

DUST NUISANCE WILL BE REDUCED BY USE OF WATER SPRAYED ON THE EXPOSED SOURCE OF THE DUST. FREQUENCY OF THE SUPPRESSION WILL BE AS REQUIRED OR AS DIRECTED BY THE ENGINEER OF RECORD.

ALL SEDIMENT FROM ESC CONTROL FACILITIES TO BE DISPOSED OF IN A MANNER AS TO NOT COMPOUND OR COMPROMISE THE SEDIMENT LOADING OF OTHER CONTROL MEASURES.

11. ANY IRREGULARITIES SHALL BE REPORTED TO THE ENGINEER OF RECORD AND/OR ESC SUPERVISOR IMMEDIATELY.

#### POWER, COMMUNICATIONS AND GAS:

 THE CONTRACTOR SHALL CONTACT BE ONE CALL A MINIMUM OF THREE WORKING DAYS PRIOR TO START OF CONSTRUCTION. NOTE THAT BE ONE CALL WILL NOT HAVE INFORMATION ON CITY UNITIES (WITH THE EXCEPTION OF CITY OF LANGEOR AND COLVINGOD RIBER OPTICS) OR SHAW. CALL 1—800—BIGS—SHAW FOR SHAW. INFORMATION.

THE CONTRACTOR SHALL CONSTRUCT UNDERGROUND BC HYDRO, TELUS, SHAW CABLE AND FORTIS BC IN ACCORDANCE WITH THE APPLICABLE UTILITY COMPANY'S CURRENT SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS REQUIRED PRIOR TO THE START OF CONSTRUCTION TO ARRANGE INSPECTION AND APPROVALS.

THE CONTRACTOR SHALL CONTACT BC HYDRO AND TELUS TO INSTALL RISERS ON EXISTING JUNCTION BOXES TO BRING LID ELEVATIONS FLUSH TO GRADE.

5. CONNECTION TO, OR ALTERATION OF, EXISTING MUNICIPALITY OWNED UTILITIES REQUIRES AUTHORIZATION BY THE

ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHALL BE CONFIRMED BY THE USE OF A PIPE LOCATOR AND MANUAL DIGGING. ALL OR ANY STRUCTURES NOT NECESSARILY SHOWN.

7. ALL SURFACE RESTORATION (ROADS, CURBS, SIDEWALKS, ETC) SHALL BE TO ORIGINAL CONDITION OR BETTER.

THE CONTRACTOR SHALL NOTIFY ALL RESIDENCES AND/OR BUSINESSES AFFECTED BY THE CONSTRUCTION FIVE DAYS PRIOR TO STARTING THE CONSTRUCTION. THE CONTRACTOR SHALL ALSO EACH DAY INDIVIDUALLY NOTIFY EACH RESIDENCE OR BUSINESS WHICH WILL BE AFFECTED BY THE NEXT DAYS WORK.

THE DRAWINGS MAY NOT SHOW ALL INDIVIDUAL UNDERGROUND HOME SERVICE CONNECTIONS. THE CONTRACTOR SHALL EXPOSE ALL EXISTING UNDERGROUND FACILITIES BY HAND DIGGING BEFORE USING MECHANICAL

#### NOTICE TO CONTRACTOR

IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SURVEYOR TO VERIFY THAT AL LEGAL SURVEY DIMENSIONS SHOWN ON THE ENGINEERS DRAWINGS AGREE WITH THOSE

LEGAL DESCRIPTION: LOT 2, SECTION 73, ESQUIMALT DISTRICT, PLAN EPP119904 BENCHMARK: MONUMENT: 03H2510, ELEVATION: 70.728, DATUM: CVD28BC (GEODETIC)
LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKWAY
REV. NO. DESCRIPTION DR LOCATED AVENUE AND LOCATED AVENUE A

6 RE-ISSUED FOR DEVELOPMENT PERMIT APPLICATION JDP JDP 2024FEB09 JDI
7 ISSUED FOR BUILDING PERMIT APPLICATION JDP JDP 2024MAROB JDI
8 ISSUED FOR BIOLOGICAL CONSIDERATION JDP JDP 2024MAROB JDI
2024MAROB JDI
2024MAROB JDI 9 RE-ISSUED FOR CITY REVIEW JDP JDP 2024MAY03 J



Aplin & Martin Consultants Ltd. #104 - 6596 Applecross Road, Nanalmo, B.C. Canada V9V 0A4 Tel: (778) 841-0484, Fax: (604) 597-9061, Email: general@aplinmartin. PROJECT

ISLAND WEST COAST DEVELOPMENTS LTD. 2214 MCCULLOUGH ROAD, NANAIMO, BC V9S 4M8

VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC

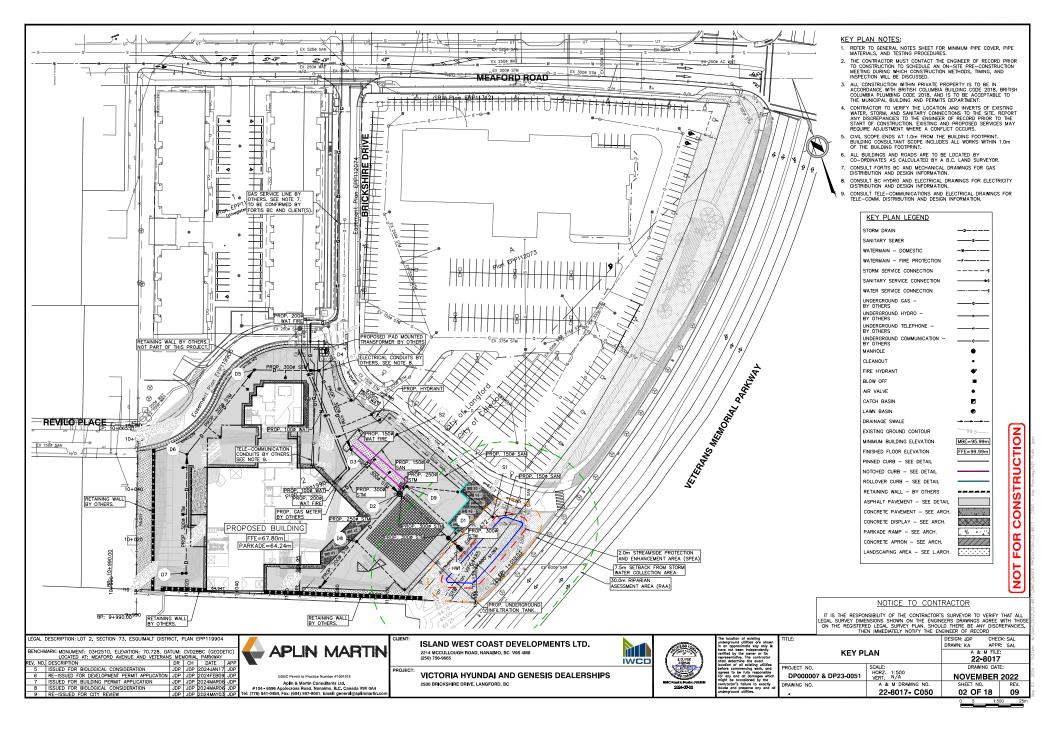


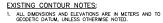


	The location of existing underground utilities are show in an approximate way only a have not been independently verified by the owner or its representative. The contractor shall determine the exact
	location of all existing utilities before commencing work, and agrees to be fully responsible
,	for any and all damages who might be occasioned by the contractor's failure to exactly locate and preserve any and underground utilities.

	ON THE REGISTERED LEGAL SURVEY PLAN. SHOULD THERE BE ANY DISCREPANCIES, THEN IMMEDIATELY NOTIFY THE ENGINEER OF RECORD								
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ı	PROJECT NO.		SCALE:	DRAWING DATE:					
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CONSTRUCTION NOT FOR





ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND ALL STRUCTURES ARE NOT NECESSARILY SHOWN.

#### EXISTING CONTOUR LEGEND EXISTING GROUND CONTOUR STORM DRAIN SANITARY SEWER WATERMAIN - DOMESTIC WATERMAIN - FIRE PROTECTION STORM SERVICE CONNECTION SANITARY SERVICE CONNECTION WATER SERVICE CONNECTION UNDERGROUND GAS UNDERGROUND HYDRO UNDERGROUND TELEPHONE UNDERGROUND COMMUNICATION OVERHEAD HYDRO/TEL/CABLE MANHOLE CLEANOUT FIRE HYDRANT BLOW OFF CATCH BASIN LAWN BASIN

#### NOTICE TO CONTRACTOR

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LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKWAY
REV. NO. [DESCRIPTON ]

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9 RE-ISSUED FOR CITY REVIEW

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ISLAND WEST COAST DEVELOPMENTS LTD. 2214 MCCULLOUGH ROAD, NANAIMO, BC V9S 4M8 (250) 756-9665

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**EXISTING CONTOUR PLAN** PROJECT NO. HORZ. 1:250 VERT. N/A DP000007 & DP23-0051 DRAWING NO. 22-8017- C070

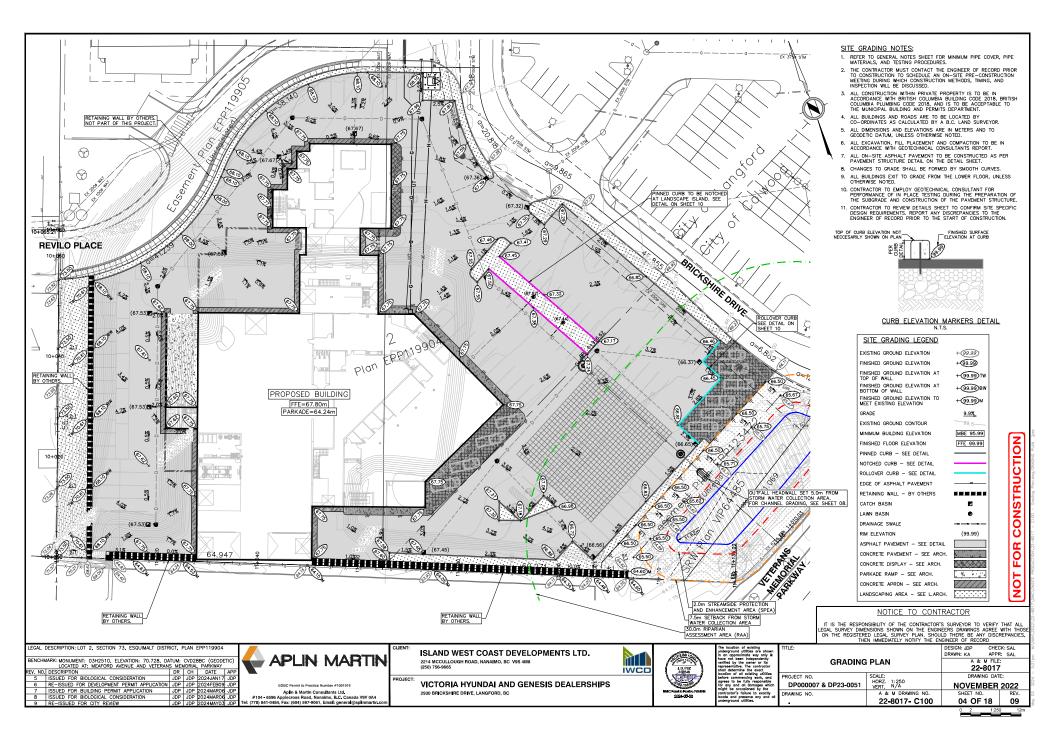
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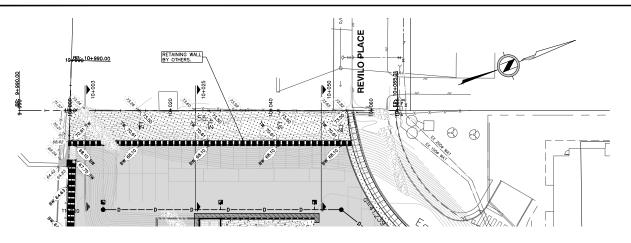
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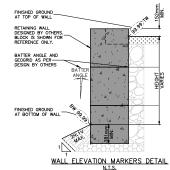
Aplin & Martin Consultants Ltd. #104 - 6596 Applecross Road, Nanalmo, B.C. Canada V9V 0A4 Tel: (778) 841-0484, Fax: (604) 597-9061, Email: general@aplinmartin

VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC

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#### SITE GRADING NOTES:

- REFER TO GENERAL NOTES SHEET FOR MINIMUM PIPE COVER, PIPE MATERIALS, AND TESTING PROCEDURES.
- THE CONTRACTOR MUST CONTACT THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING DURING WHICH CONSTRUCTION METHODS, TIMING, AND INSPECTION WILL BE DISCUSSED.
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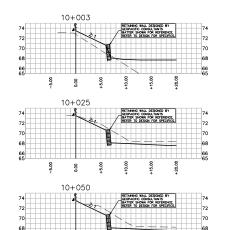
  3. ALL CONSTRUCTION WITHIN PRIVATE PROPERTY IS TO BE IN ACCORDANCE WITH BRITISH COLUMBIA BUILDING CODE 2018, BRITISH COLUMBIA PLUMBING CODE 2018, AND IS TO BE ACCEPTABLE TO THE MUNICIPAL BUILDING AND PERMITS DEPARTMENT.
- ALL BUILDINGS AND ROADS ARE TO BE LOCATED BY CO-ORDINATES AS CALCULATED BY A B.C. LAND SURVEYOR.
- ALL DIMENSIONS AND ELEVATIONS ARE IN METERS AND TO GEODETIC DATUM, UNLESS OTHERWISE NOTED.
- ALL EXCAVATION, FILL PLACEMENT AND COMPACTION TO BE IN ACCORDANCE WITH GEOTECHNICAL CONSULTANTS REPORT.
- ALL ON-SITE ASPHALT PAVEMENT TO BE CONSTRUCTED AS PER PAVEMENT STRUCTURE DETAIL ON THE DETAIL SHEET.
- 8. CHANGES TO GRADE SHALL BE FORMED BY SMOOTH CURVES.
- ALL BUILDINGS EXIT TO GRADE FROM THE LOWER FLOOR, UNLESS OTHERWISE NOTED.
- UTHERWISE NOTICE OF THE MEMORY GEOTECHNICAL CONSULTANT FOR PERFORMANCE OF IN PLACE TESTING DURING THE PREPARATION OF THE SUBGRADE AND CONSTRUCTION OF THE PAYEMENT STRUCTURE.

  11. CONTRACTOR TO REVIEW DETAILS SHEET TO CONFIRM SITE SPECIFIC DESION REQUIREMENTS. REPORT ANY DISCEPRANCIES TO THE ENGINEER OF RECORD PRIOR TO THE START OF CONSTRUCTION.



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LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKWAY
REV. NO. DESCRIPTON
5 ISSUED FOR BIOLOGICAL CONSIDERATION JDP JDP 2024JAN17 JDP

| 1530ED FOR BIOLOGICAL CONSIDERATION | JUP | JUP | 2024-JAN1 / JUP | 6 | RE-ISSUED FOR DEVELOPMENT PERMIT APPLICATION | JUP | JUP | 2024-FEB09 | JUP | 7 | ISSUED FOR BUILDING PERMIT APPLICATION | JUP | JUP | 2024-JANFOR | JUP | 8 | ISSUED FOR BIOLOGICAL CONSIDERATION | JUP | JUP | 2024-JANFOR | 2

9 RE-ISSUED FOR CITY REVIEW

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ISLAND WEST COAST DEVELOPMENTS LTD.

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VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC



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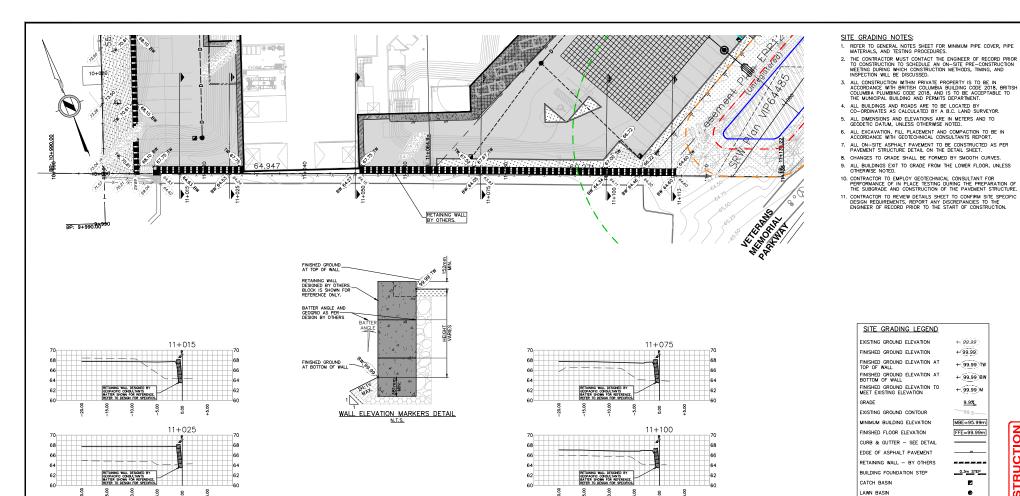
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The location of existing LEGAL DESCRIPTION: LOT 2, SECTION 73, ESQUIMALT DISTRICT, PLAN EPP119904 ISLAND WEST COAST DEVELOPMENTS LTD. APPR: SAL & M FILE:

BENCHMARK: MONUMENT: 03H2510, ELEVATION: 70.728, DATUM: CVD28BC (GEODETIC)
LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORAL PARKWAY
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VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC



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in an approximate way only & how not been independently verified by the owner or its representable. The contractor location of all existing utilities before commencing work. before or and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.
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TITLE:	DESIGN: JDP	CHECK: SAL			
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DRAINAGE SWALE

ASPHALT PAVEMENT - SEE DETAIL

CONCRETE PAVEMENT - SEE ARCH.

LANDSCAPING AREA - SEE L.ARCH.

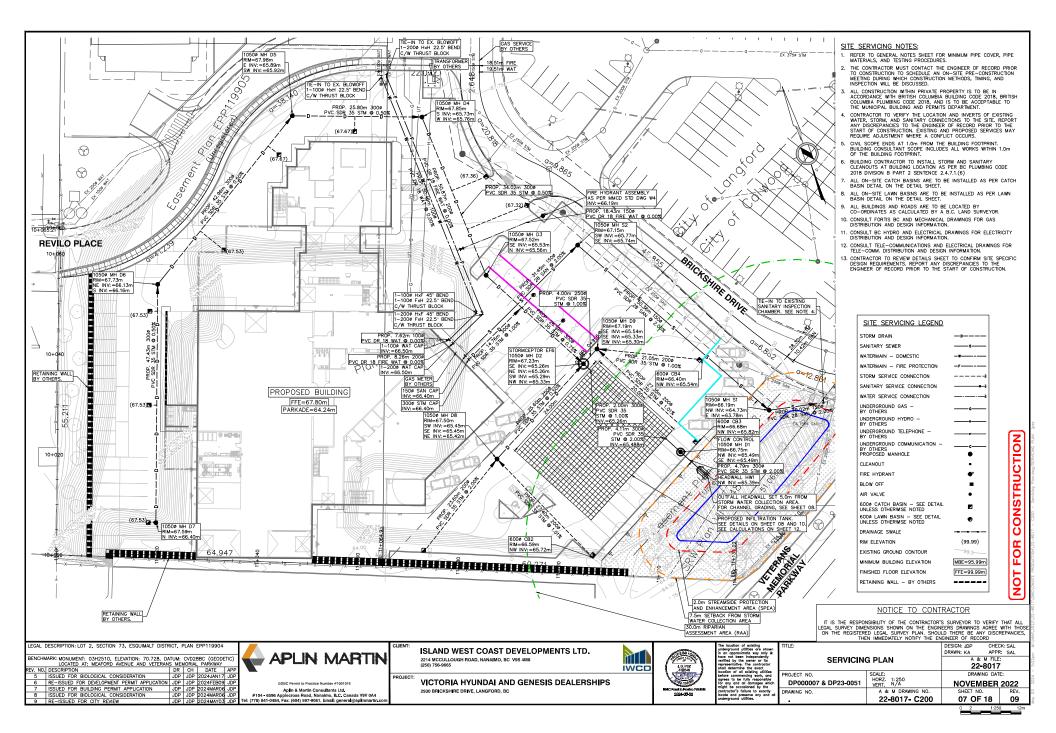
PERMEABLE PAVERS - SEE L.ARCH.

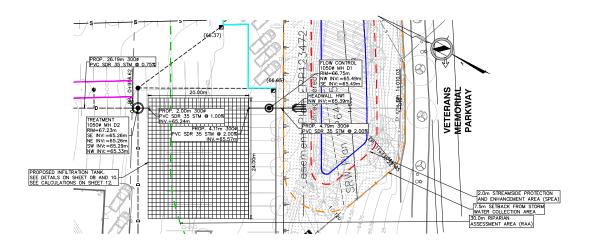
GRAVEL AREA - SEE L.ARCH.

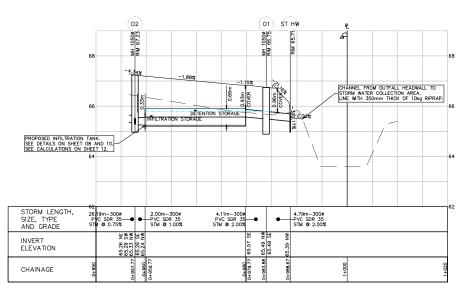
ROOF AREA - SEE ARCH.

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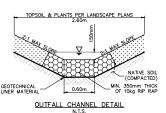






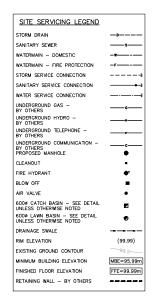


PROJECT



#### SITE SERVICING NOTES:

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- 3. ALL CONSTRUCTION WITHIN PRIVATE PROPERTY IS TO BE IN ACCORDANCE WITH BRITISH COLUMBIA BUILDING CODE 2018, BRITISH COLUMBIA PLUMBING CODE 2018, AND IS TO BE ACCEPTABLE TO THE MUNICIPAL BUILDING AND PERMITS DEPARTMENT.
- THE MUNICIPAL DILLIPION AND PERMITS DEPARAMENTS OF EXISTING WATER, STORM, AND SANITARY CONNECTIONS TO THE SITE, REPORT ANY DISCREPANCIES TO THE HONGER OF RECORD PRIOR TO THE START OF CONSTRUCTION. EXISTING AND PROPOSED SERVICES MAY REQUIRE ADJUSTMENT WHERE A CONFLICT OCCURS.
- CIVIL SCOPE ENDS AT 1.0m FROM THE BUILDING FOOTPRINT. BUILDING CONSULTANT SCOPE INCLUDES ALL WORKS WITHIN 1.0m OF THE BUILDING FOOTPRINT.
- BUILDING CONTRACTOR TO INSTALL STORM AND SANITARY
  CLEANOUTS AT BUILDING LOCATION AS PER BC PLUMBING CODE
  2018 DIVISION B PART 2 SENTENCE 2.4.7.1.(6)
- ALL ON-SITE CATCH BASINS ARE TO BE INSTALLED AS PER CATCH BASIN DETAIL ON THE DETAIL SHEET.
- 8. ALL ON-SITE LAWN BASINS ARE TO BE INSTALLED AS PER LAWN BASIN DETAIL ON THE DETAIL SHEET.
- ALL BUILDINGS AND ROADS ARE TO BE LOCATED BY CO-ORDINATES AS CALCULATED BY A B.C. LAND SURVEYOR.
- CONSULT FORTIS BC AND MECHANICAL DRAWINGS FOR GAS DISTRIBUTION AND DESIGN INFORMATION.
- CONSULT BC HYDRO AND ELECTRICAL DRAWINGS FOR ELECTRICITY DISTRIBUTION AND DESIGN INFORMATION.
- 12. CONSULT TELE-COMMUNICATIONS AND ELECTRICAL DRAWINGS FOR TELE-COMM. DISTRIBUTION AND DESIGN INFORMATION.
- CONTRACTOR TO REVIEW DETAILS SHEET TO CONFIRM SITE SPECIFIC DESIGN REQUIREMENTS. REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO THE START OF CONSTRUCTION.



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REV. NO. [DESCRIPTON ]

The control of | 1530ED FOR BIOLOGICAL CONSIDERATION | JUP | JUP | 2024-RB09 | JOF | 6 RE-ISSUED FOR DEVELOPMENT PERMIT APPLICATION JUP | JUP | 2024-RB09 | JUF | 1530ED FOR BUILDING PERMIT APPLICATION JUP | JUP | 2024-MAROB JUF | 8 | SSUED FOR BIOLOGICAL CONSIDERATION JUP | JUP | 2024-MAROB JUF | 3024-MAROB JUP | JUP | 3024-MAROB JUP | 3024-M 9 RE-ISSUED FOR CITY REVIEW JDP JDP 2024MAY03 JI



Aplin & Martin Consultants Ltd. #104 - 6596 Applecross Road, Nanalmo, B.C. Canada V9V 0A4 Tel: (778) 841-0484, Fax: (604) 597-9061, Email: general@aplinmartin.

ISLAND WEST COAST DEVELOPMENTS LTD.

2214 MCCULLOUGH ROAD, NANAIMO, BC V9S 4M8 (250) 756-9665

VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC

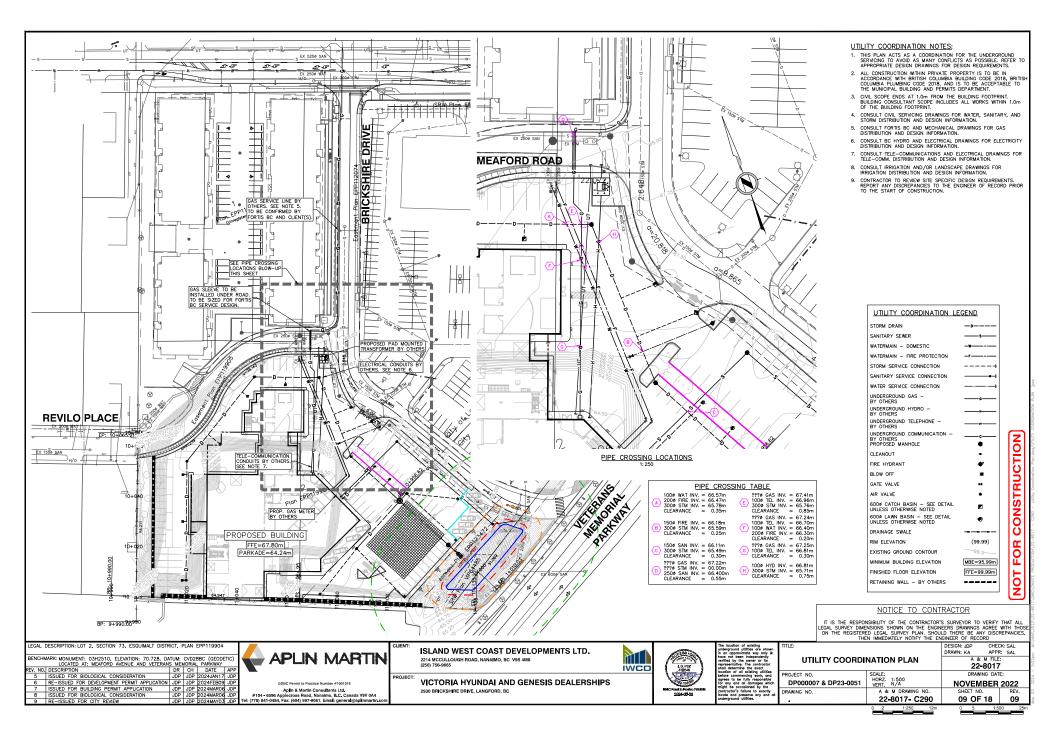


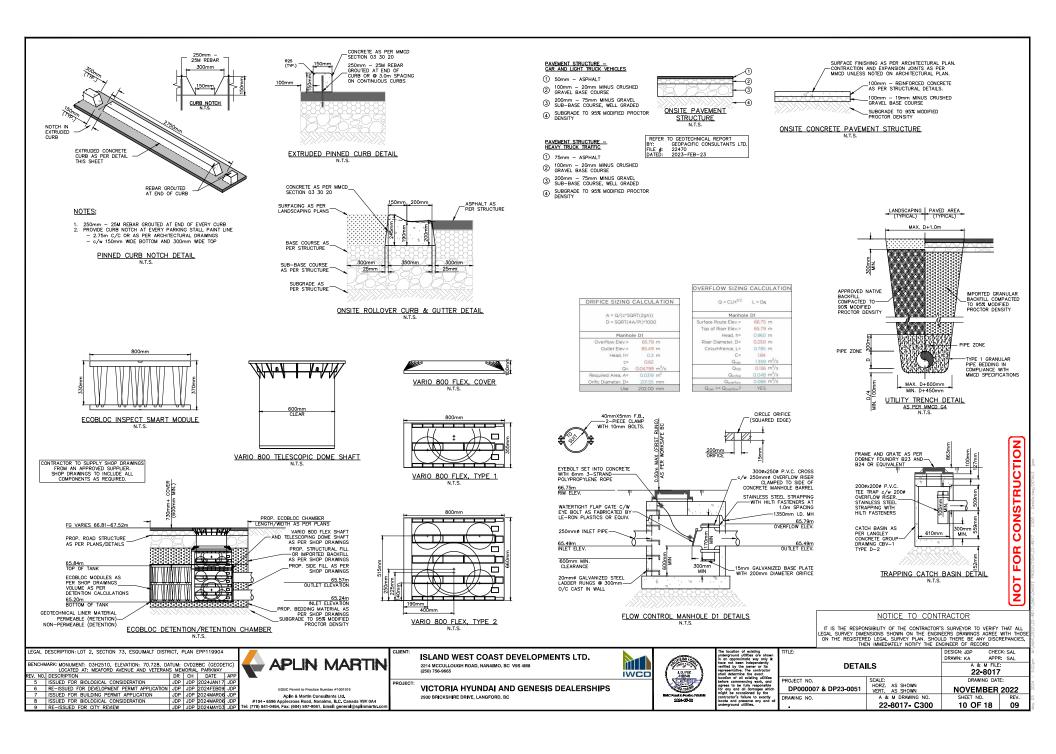


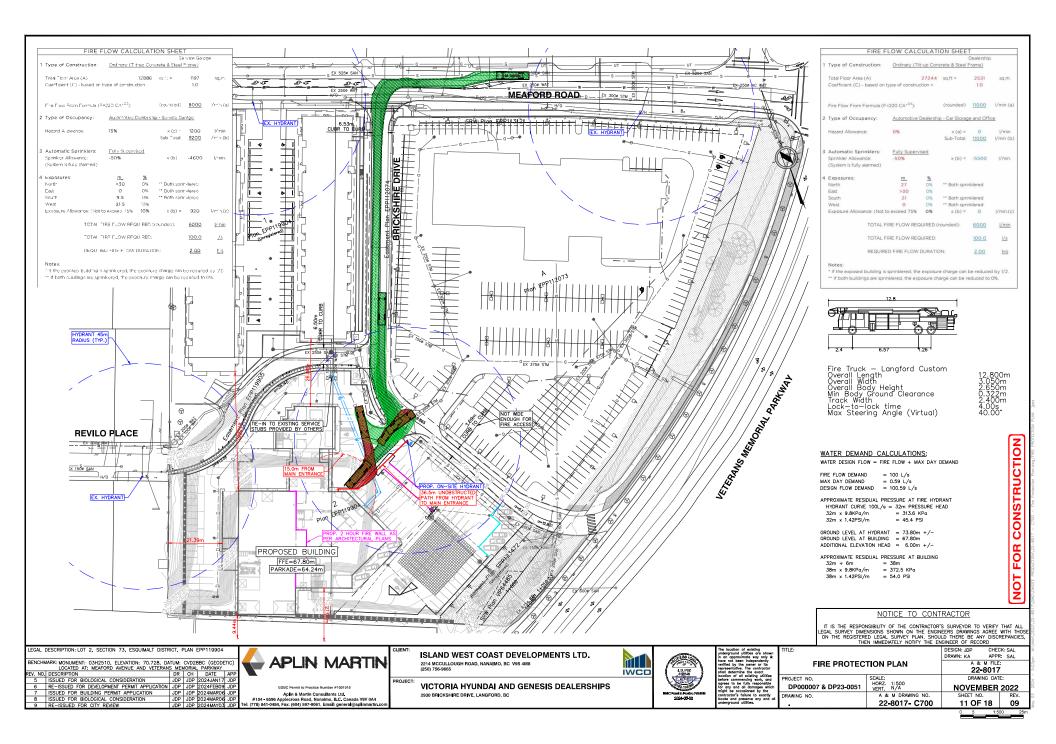
underground utilities are shown
in an approximate way only &
have not been independently
verified by the owner or its
representative. The contractor
shall determine the exact
location of all existing utilities
before commencing work, and
agrees to be fully responsible
for any and all damages which
might be occasioned by the
contractor's failure to exactly
locate and preserve any and all
underground utilities.
underground utilities.

THI	EN IMMEDIATELY NOTIFY THE EN	IGINEER OF RECORD			
TITLE:		DESIGN: JDP CHE	CK: SAL		
			R: SAL		
SERVICING PRO	FILE - STORM	A & M FILE			
		22-8017	7		
PROJECT NO.	SCALE:	DRAWING DAT	E:		
DP000007 & DP23-0051	HORZ. 1: 250 VERT. N/A	NOVEMBER 2022			
DRAWING NO.	A & M DRAWING NO.	SHEET NO.	REV.		
•	22-8017- C250	08 OF 18	09		





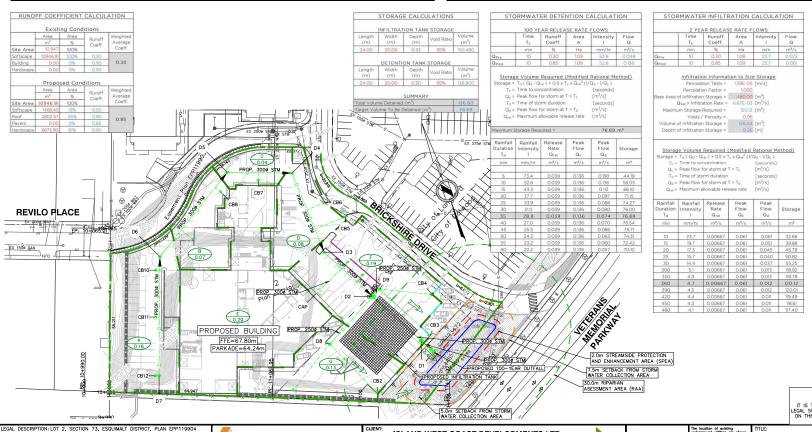








					ST	ORM FLO	DW ANAL	YSIS - C	ALCULA	TION SHE	ET					
										RETUR	N PERIOD:	100	Years			
Municipal P Project Title		DP23-0051 Victoria Hy	undai & Ger	nesis						1		•	DATE:	unununn	Mannings	Formula
Project Loc	ation:	2930 Bricks	hire Drive,	Langford BC		AP	LIN M	ARTIN			J. D. PEZ # 59/40	)	A&M File: Design by:	22-8017 JDP	V = (Vn) : Q = '	× R <sup>2/3</sup> × S <sup>1/</sup> √ × A
Consultants		Aplin & Mar		ants Ltd.		EGBC Per	mit to Practi	ce: 1001018		Estat.		er Here	Check By: SHEET:	JAL 1 of 1	Rational	
Engineer of	Record:	Jacob Pez,	P.Eng							SEAL/8	2024-05-03 ENGINEER'S	STAMP			Q = C x I I = (a x 1	x A x 2.78 c <sup>b</sup> ) x 1.10
FROM MH	то мн	Area#	Area A	Runoff Coeff. C	AxC	Accum. (AxC)	Time of Conc T <sub>C</sub>	Rainfall Intensity	Design Flow Q <sub>100</sub>	Diameter of Pipe D	Length of Pipe L	Design Slope S	Installed Slope	Flow Capacity Q <sub>CAP</sub>	Velocity	Time of Flow
			(Ha)		(Ha)	(Ha)	(min)	(mm/hr)	(L/s)	(mm)	(m)	(%)	(%)	(L/s)	(m/s)	(min)
1.0								ONSITE								
D7	D6	A	0.16	0.85	0.14	0.14	10.00	52.61	20.29	300	46.80	0.25		48.4	0.68	1.14
D6	D5	В	0.07	0.85	0.06	0.20	11.14	49.94	27.11	300	43.77	0.25		48.4	0.68	1.07
D5	D4	С	0.04	0.85	0.03	0.23	12.21	47.79	30.37	300	25.80	0.25		48.4	0.68	0.63
D4	D3	D	0.08	0.85	0.07	0.30	12.84	46.65	38.36	300	50.87	0.25		48.4	0.68	1.24
DLDG	D3toD2	E	0.29	0.05	0.24	0.24	10.00	52.61	35,73	250	14.70	0.50		42.0	0.00	0.29
D3	D2		0.00	0.85	0.00	0.54	14.08	44.62	67.01	300	49.83	0.75		83.7	1.18	0.70
D9	D2	E	0.19	0.85	0,16	0.16	10.00	52.61	23.96	250	25.60	1.00		59.5	1,21	0.35
D8	D2	G	0.13	0.85	0.11	0.11	10.00	52.61	16.16	250	4.00	1.00		59.5	1,21	0.06
D2	TANK		0.00	0.85		0.81	14.78	43.59	98.71	300	2.00	1.00		96.7	1.37	0.02
TANK	D1		0.00	0.85	0.00	0.81	14.80	43.57	98,65	300	4.11	2.00		136.8	1.93	0.04
D1	HWI		0.00	0.85		0.81	14.84	43.51	98.52	300	7.14	2.00		136.8	1.93	0.06



#### STORMWATER MANAGEMENT NOTES:

- REFER TO GENERAL NOTES SHEET FOR MINIMUM PIPE COVER, PIPE MATERIALS, AND TESTING PROCEDURES.
- THE CONTRACTOR MUST CONTACT THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION METHING DURING WHICH CONSTRUCTION METHODS, TIMING, AND INSPECTION WILL BE DISCUSSED.
- ALL CONSTRUCTION WITHIN PRIVATE PROPERTY IS TO BE IN ACCORDANCE WITH BRITISH COLUMBIA BUILDING CODE 2018, BRITISH COLUMBIA PLUMBING CODE 2018, AND IS TO BE ACCEPTABLE TO THE MUNICIPAL BUILDING AND PERMITS DEPARTMENT.
- CONTRACTOR TO VERIET THE LOCATION AND INVERTS OF EXISTING WATER, STORM AND SANITARY CONNECTIONS TO THE SITE, REPORT TO THE ENGINEER OF RECORD ANY DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
- ALL BUILDINGS AND ROADS ARE TO BE LOCATED BY CO-ORDINATES AS CALCULATED BY A B.C. LAND SURVEYOR.
- CONTRACTOR TO REVIEW DETAILS SHEET TO CONFIRM SITE SPECIFIC DESIGN REQUIREMENTS. REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO THE START OF CONSTRUCTION.

STORMWATER MANAGEMEN	NT LEGEND
EXISTING STORM DRAIN	-0
PROPOSED STORM DRAIN	-0
EXISTING DITCHES	~~~-
PROPOSED DITCHES	~~~-
PROPOSED DRAINAGE SWALES	
MANHOLE, CLEANOUT, HEADWALL NUMBER	EX CO HW
CATCHMENT AREA CATCHMENT AREA (hg	
CATCHMENT AREA BOUNDARY LINE	
SUB-CATCHMENT BOUNDARY LINE	
100 YEAR PIPE FLOW - IN PIPE	$\Longrightarrow$
100 YEAR PIPE FLOW - SURCHARGE	
100 YEAR PIPE FLOW - OVERLAND	$\Rightarrow$
200 YEAR OVERLAND FLOW ROUTE	
LOCAL OVERLAND FLOW DIRECTION	_
MANHOLE	•
CATCH BASIN	
LAWN BASIN	40
RIM ELEVATION	(99.99)
EXISTING GROUND CONTOUR	99.5

#### NOTICE TO CONTRACTOR

IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SURVEYOR TO VERIFY THAT ALL LEGAL SURVEY DIMENSIONS SHOWN ON THE ENGINEERS DRAWINGS AGREE WITH THOSE ON THE REGISTERED LEGAL SURVEY PLAN. SHOULD THERE BE ANY DISCREPANCIES, THEN IMMEDIATELY NOTIFY THE ENGINEER OF RECORD

BENCHMARK: MONUMENT: 03H2510, ELEVATION: 70.728, DATUM: CVD28BC (GEODETIC)
LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKIMAY
REV. NO, DESCRIPTION
5 ISSUED FOR BIOLOGICAL CONSIDERATION
JDP JDP 2024JAN17 JDP | 1530ED FOR BIOLOGICAL CONSIDERATION | JUP | JUP | 2024-RB09 | JOF | 6 RE-ISSUED FOR DEVELOPMENT PERMIT APPLICATION JUP | JUP | 2024-RB09 | JUF | 1530ED FOR BUILDING PERMIT APPLICATION JUP | JUP | 2024-MAROB JUF | 8 | SSUED FOR BIOLOGICAL CONSIDERATION JUP | JUP | 2024-MAROB JUF | 3024-MAROB JUP | JUP | 3024-MAROB JUP | 3024-M

JDP JDP 2024MAY03 JD

9 RE-ISSUED FOR CITY REVIEW

APLIN MARTIN

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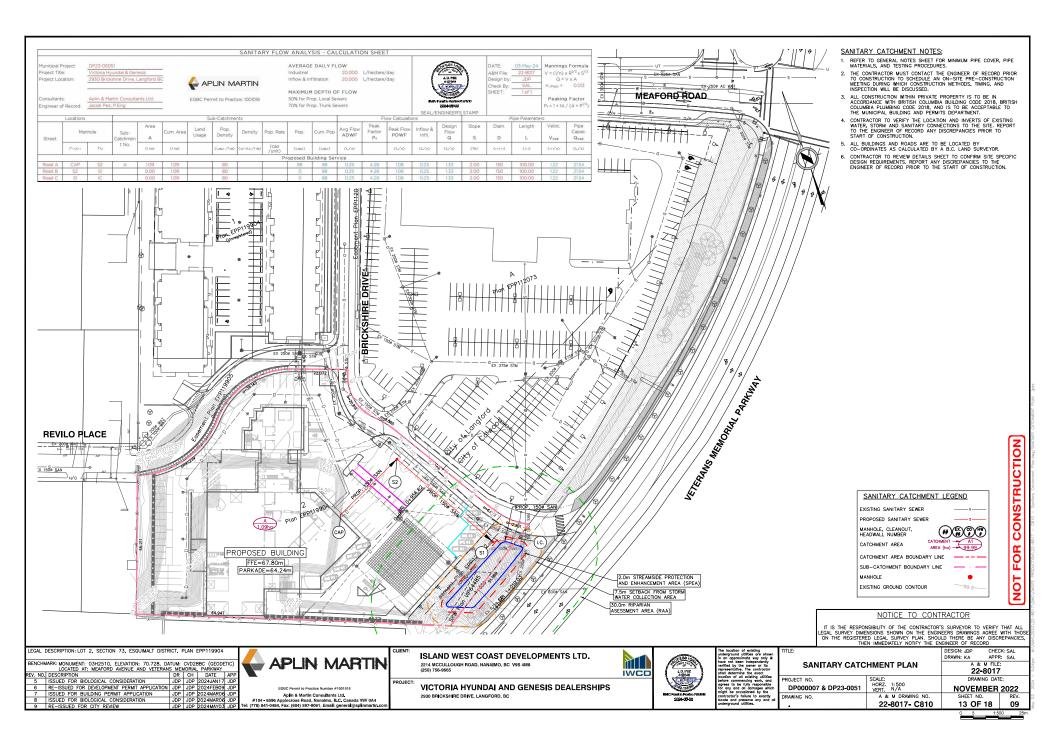
VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC



PROJECT NO. HORZ. 1:500 VERT. N/A DP000007 & DP23-0051 DRAWING NO.

CHECK: SAL APPR: SAL DESIGN: JDP DRAWN: KA A & M FILE: STORMWATER MANAGEMENT PLAN 22-8017 DRAWING DATE: NOVEMBER 2022 A & M DRAWING NO. 22-8017- C800 12 OF 18 09





- 1. THE FOLLOWING STRATEGES ARE THE MINIMUM EFFORTS REQUIRED BY THE OWNER, DEVELOPER, AND THE DEVELOPERS AGENTS (INCLUDING BUT NOT LIMITED TO: THE ENGINEER OF RECORD, ESC SUPERVISOR, GENERAL CONTRACTORS, SUBJUDER, BULLIDINS SUB-TRADES & UTILITY COMPANIES). SOME OR ALL OF THESE ACTIONS MAY BE ASSIGNED TO SPECIFIC PERSONNEL THROUGH CONTRACTUAL ARRANGEMENTS. ALL PRATIES ENAGLED ON SITE SHALL COMPLY WITH THE OLLOWING EROSON AND SEDIMENT CONTROL TRANS AND THE REGULATORY REQUIREMENTS SECPICED BY FEDERAL, PROVINCIAL, AND MUNICIPAL AUTHORITIES.
- 3. GENERAL CONTRACTOR TO HAVE A COPY OF THE ESC PLAN ONSITE AT ALL TIMES, AND ENSURE CITY OF LANGFORD STANDARD EROSION & SEDIMENT CONTROL SIGNAGE IS PLACED ON-SITE PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED IN PLACE UNTIL LANDSCAPING IS
- 4. THE ENGINEER OF RECORD WILL DESIGNATE AN ON-SITE ESC SUPERVISOR WHO IS RESPONSIBLE TO MONITOR, INSPECT, AND REPORT TO THE DEVELOPER AND GENERAL CONTRACTOR ON ESC FACILITIES & SITE DISCHARGE PERFORMANCE IN ACCORDANCE WITH THE BEST MANAGEMENT
- THE CONSULTANT ASSUMES NO RESPONSIBILITY FOR DAMAGES RESULTING FROM IMPROPER EROSION AND SEDIMENT CONTROL MEASURES UNDERTAKEN BY THE GENERAL CONTRACTOR.
- ANY DIRECTION GIVEN BY THE ENGINEER OF RECORD OF SECS SUPPERVISOR TO THE GENERAL CONTRACTOR.
   ANY DIRECTION GIVEN BY THE ENGINEER OF RECORD OF SECS SUPPERVISOR TO THE GENERAL CONTRACTOR FOR REGISION AND SEDIMENT CONTROL NOT FOLLOWED BY THE GENERAL CONTRACTOR FOR REGISION AND SEDIMENT CONTROL NOT FOLLOWED BY THE GENERAL CONTRACTOR IS TO BE REPORTED TO THE SITE SUPPERNITEMENT AND MUNICIPALITY MIMEDIATELY.
- 7. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT NO SOIL, SAND, SILT, OR ANY OTHER SUBSTANCES ARE SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS—OF—MAY OR AREA THAT LEAD TO CATCH BASINS CONNECTED TO PUBLIC SYSTEMS. THE GENERAL CONTRACTOR IS TO CLEAN ANY SUCH MATERIAL IMMEDIATELY, I.E. ROADS ARE TO BE SWEPT WITH A VACUUM STREET SWEPER ATTER WORK STOPPAGE EACH DAY.
- E. PRIOR TO CONSTRUCTION, INSTALL A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, CEVIT TO LIMIT TRACKING OF SITE SOILS ONTO GETSTE RODOWNST THE WORTH OF THE PAID SHOULD BE THE FULL WIDTH OF THE POINT OF INGRESS/EGRESS AND SHOULD NOT BE LESS THAN 6m WIDE WITH A LEBGITH OF THE PAID SHOULD THE CONSTRUCTION OF THE PAID SHALL HAVE A MINIMUM THICKNESS OF 200mm (8) OF COARSE GRANULAR MATERIAL, COARSE GRANULAR MATERIAL SUCH AS 7,5mm, SHOT ROCK OR FRACTURED DRAWN ROCK LUMBERLAM WITH GEO-TEXTURE FABRIC IS RECOMMENDED.
- RELUMBERIUELJ.

  THE ENTRANCE SHOULD BE MAINTAINED FOR THE DURATION OF CONSTRUCTION, IN A CONDITION
  THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS—OF—WAY, OR AREAS THAT
  LEAD TO CATCH BASINS CONNECTED TO PUBLIC SYSTEMS. THIS MAY REQUIRE PERSONOL TO
  DRESSING WITH ADDITIONAL MATERIAL AS CONDITIONS DEMAND. THE PAD MAY BE REMOVED ONCE
  PERMANENT PAREMENTS ARE IN PLACE AT THE SITE. A WHEEL WASH MAY BE REQUIRED IF THE
  TEMPORARY GRAVEL PAD IS NOT WORKING.
- STRIP AND GRUB ONLY THOSE AREAS NECESSARY FOR THE CURRENT CONSTRUCTION. STAGE
  CONSTRUCTION OPERATIONS TO LIMIT DISTURBANCE AND DO NOT STRIP ANY AREA UNTIL.
- 12. GRADE WORK AREAS AWAY FROM ADJACENT PROPERTIES AND TOWARDS THE SEDIMENT POND ON THE SITE FOR DISPERSAL AND INFILITRATION.

- 18. ROUTINGSPECTION, ARCHARDAN PROVINCE THE STEED COMPONENTS WILL BE THE
  18. ROUTINGSPECTION, ARCHARDAN PROVINCE THE STEED AND ARCHARD SHOULD DESIGNATE
  AN ON-SITE ESO FACILITATOR TO BE RESPONSIBLE FOR DAY-TO-DAY MANAGEMENT OF THE ESC
  FACILITES. THE GENERAL CONTRACTOR IS TO SUPPLY A PHONE NUMBER WHERE THE ESC
  FACILITATOR CAN BE REACHED 24 HOURS/DAY. AT A MINIMUM, INSPECT ALL BMP'S WEEKLY TO
  RISINGE PROPER FUNCTION WITH INSPECTION REPORTS PROVIDED TO THE ENGNEER OF RECORD
  RISINGE PROPER FUNCTION WITH INSPECTION REPORTS PROVIDED TO THE ENGNEER OF RECORD

#### MAINTENANCE ALL STAGES (AS APPLICABLE):

- THE CENERAL CONTRACTOR'S ESS FACULTATOR IS RESPONSIBLE FOR DAY-TO-DAY MANTENANCE OF THE ESS CONCRS ROUTHE INSPECTION AND MAINTENANCE OF THE SES (MORES WILL BE HE RESPONSIBILITY OF THE ESS FACULTATOR. AT A MINIMUM INSPECT ALL BMP'S MEEKLY TO ENSURE PROPER FUNCTION MYTH. MSPECTION REPORTS PROVIDED TO THE ENGNEER OF RECORD AND THE MUNICIPALITY FOR REVIEW.
- 2. INSPECTIONS AND REPORTS ARE TO BE CONDUCTED AS PER ESC GENERAL NOTES 16, 17, AND
- UPON DIRECTION BY THE ENGINEER OF RECORD OR ESC SUPERVISOR, THE GENERAL CONTRACTORS ESC FACILITATOR IS REQUIRED TO UNDERTAKE MAINTENANCE ACTIVITIES AS NECESSARY TO MODIFY OR MAINTAIN ESC FACILITIES. ADDITIONAL MEASURES THAN WHAT IS SPECIFIED MAY BE REQUIRED.
- 4. THE GENERAL CONTRACTOR IS TO ENSURE ROAD SURFACES ARE REGULARLY CLEANED OF ACCUMULATED SEDIMENTS BY STREET SWEEPER AT THE END OF EACH DAY AS REQUIRED BY GENERAL NOTE 7. FLUSHING OF ROADWAYS IS PROHIBITED.
- 5. SEDIMENT FENCES/BARRIERS TO BE INSPECTED AND REPAIRED PRIOR TO EXPECTED RAIN EVENTS AND FOLLOWING ALL SIGNIFICANT STORM EVENTS OR PERIODS OF EXTREDED ANAL SCOUNDLATED SEDMENTS GREATER THAN 30% OF THE FENCE CAPACITY OR DEFICIENCIES SHOULD BE DEALT WITH ACCORDINGLY.
- ALL CATCH BASIN FILTER SOCKS ARE TO BE INSPECTED WEEKLY OR FOLLOWING STORM EVENTS, INLINE FILTERS ARE TO BE REMOVED AND CLEANED AT 40% CAPACITY.
- GRAVEL ACCESS PADS TO BE INSPECTED DAILY TO ENSURE FUNCTIONALITY, ADDITIONAL ROCK TO BE ADDED AS REQUIRED.
- 8. ANY STOCKPILED MATERIAL TO BE COVERED AND ENCIRCLED BY SEDIMENT FENCE AS SPECIFIED.
- DUST NUISANCE WILL BE REDUCED BY USE OF WATER SPRAYED ON THE EXPOSED SOURCE OF THE DUST. FREQUENCY OF THE SUPPRESSION WILL BE AS REQUIRED OR AS DIRECTED BY THE ENGINEER OF RECORD.

STANDARD 2" OVERFLOW AREA

INSTALLATION:

1. REMOVE GRATE

3. REPLACE GRATE

2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE

COMBONATION DILET

- 10. ALL SEDIMENT FROM ESC CONTROL FACILITIES TO BE DISPOSED OF IN A MANNER AS TO NOT COMPOUND OR COMPROMISE THE SEDIMENT LOADING OF OTHER CONTROL MEASURES.
- 11. ANY IRREGULARITIES SHALL BE REPORTED TO THE ENGINEER OF RECORD AND/OR ESC SUPERVISOR IMMEDIATELY.

FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION PRODUCT SELECTION AND SPECIFICATION DRAWING

-LIFT HANDLES-

REPLACEABLE

PROJECT

GALVANIZED STEEL

SUSPENSION SYSTEM

(Cuft)

CHECK DAM INSTALLATION SEPARATION

1.00m GRAVEL SWALE

GRAVEL SWALE

N.T.S.

TOP OF CHECK DAM TO BE SET TO TOE OF CLOSEST UPSTREAM CHECK DAM (TYP.)

DRAIN ROCK CHECK DAM PER DETAIL THIS PAGE

SILT

STRAW LAYER AS PER-DRAWINGS

REAR CURB GUARD FLAP WITH MAGNETIC TIE DOWNS

ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL (ZINC PLATED OR GALVANIZED) FOR 7 YEAR MINIMUM SERVICE LIFE.

3. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INI.FTFII.TERS.COM

SEDIMENT CONTROL

AT CATCH BASINS

N.T.S.

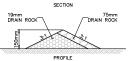
FLEXSTORM\_CATCH\_IT A

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. A DIVISION OF ADS, INC. WWW.INLETFILITERS.COM PH (886) 287-8855 FX (630) 355-3477 EM INFO@INLETFILITERS.COM

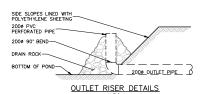


SITE

REVILO PLACE



DRAIN ROCK CHECK DAM DETAIL



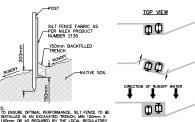


MEAFORD AVENUE

WEWORIAL

VETERANS ME

STOCK AND SPOIL PILE DETAIL



NOTES:

1. TO ENSURE OPTIMAL PERFORMANCE, SILT FENCE TO BE INSTALLED IN AN EXCAVATED TRENCH, MIN 150mm X 150mm OR AS REQUIRED BY THE LOCAL REGULATORY INSTALLED IN AN EXCAVATED TRENCH, MIN 150mm X 150mm OR AS REQUIRED BY THE LOCAL REGULATORY AUTHORITY. STAKES TO BE POUNDED IN UNTIL FABRIC REACHES BOTTOM OF THE TRENCH. POSTS TO BE INSTALLED FACING DOMMILL RUNOFF SHOULD PUSH FABRIC AGAINST POST NOT AWAY FROM THEM.

THEM.
THE TRENCH TO BE BACKFILLED BY A BACKHOE OR OTHER EARTH MOVING EQUIPMENT.

TRENCHING IS USED

ATTACHING TWO SILT FENCES WHEN

SILT FENCE DETAIL

## NOTICE TO CONTRACTOR

IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SURVEYOR TO VERIFY THAT ALL LEGAL SURVEY DIMENSIONS SHOWN ON THE ENGINEERS DRAWINGS AGREE WITH THOS! ON THE REGISTERED LEGAL SURVEY PLAN. SHOULD THERE BE ANY DISCREPANCIES.

- NEGUNEAUNTS SPECIFIED BY FEDERAL, PROVINCIAL, AND MUNICIPAL AUTHORITES.

  2. EROSION AND SEDMENT CONTROL FOR THIS PROJECT WILL BE AS DUTLINED IN THE FISHERIES AND OCCANS CANADA AND MINISTRY OF WATER, LAND, AND AN PROTECTION HANDBOOK ENTILED YEARD DEVELOPMENT GUIDELINES FOR THE PROTECTION OF ADJUSTIC HARDBOOK ENTILED. YEARD AND THE PROTECTION OF ADJUSTIC HARDBOOK ENTILED YEAR OF THE PROTECTION OF ADJUSTIC HARDBOOK ENTILED. YEAR OF THE PROTECTION OF ADJUSTIC HARDBOOK ENTILED THE PROTECTION OF THE PROTECTION OF THE CONTRACTOR TO ACQUIRE THESE GUIDELINES AND FAMILIARIZE THEMSELVES WITH THE REQUIREMENTS THEREIN.
- PRACTICES (BMP'S).

- 10. PRIOR TO CONSTRUCTION, CLEARLY FLAG OR FENCE AREAS OF NO DISTURBANCE AS WELL AS ANY DESIGNATED TRESS AND STRUBS THAT ARE TO BE PRESERVED. MARKINGS SHOULD REMAIN IN PLACE THROUGHOUT CONSTRUCTION.
- 13. IF GRADED AREAS WITHIN THE PROJECT WILL NOT BE COMPLETED OUTSIDE OF THE WET SEASON (OCTOBER TO APRIL), RE-VEGETATION OPERATIONS SHOULD BE CARRIED OUT WITHIN ONE WEEK OF GRADING COMPLETION OR NO LATER THAT SEPT 15TH.
- 14. SILT FENCING IS TO BE INSTALLED AROUND ALL STOCK/SPOIL PILES, OR PILES ARE TO BE OTHERWISE COVERED TO LIMIT EROSION AND SEDIMENT GENERATION.
- 15. INSTALL SETTLEMENT PONDS EQUIPPED WITH EMERGENCY OVERFLOW, FOR RETENTION/INFILTRATION TREATMENT OF RUNOFF COLLECTED BY INTERCEPTOR SWALES (DITCHES) AND/OR SILT BARRIERS. THE SETTLEMENT PONDS ARE TO HAVE A MINIMUM VOLUME TO CONTIAN FLOWS FROM A 10-YEAR RETURN PERIOD, 24-HOUR RAINFALL EVENT. THE PONDS SHOULD BE USED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- FOR REVIEW.

  17. 48 HOURS PRIOR TO ANY PREDICTED SIGNIFICANT STORM EVENT, THE ESC FACILITATOR AND ESC SUPERVISOR SHOULD INSPECT THE ESC FACILITIES AND ENSURE THAT THE WORK ARE ADEQUATE TO PROTECT THE SITE DURING THE STORM EVENT. THE ESC FACILITATOR SHALL PROVIDE A WRITTEN REPORT TO THE ENGINEER OF RECORD AND/OR THE MUNICIPALITY. IF THE ESC SUPERVISOR DETERMINES THAT THE ESC WORKS ARE NOT DEQUALET. TO PROTECT THE SITE DURING THE ANTICIPATED STORM EVENT, THEN THEY ARE TO IMMOSTATELY RECORD THE ENGINEER OF RECORD AND CENERAL CONTRACTORS OF THAT THE WORK CAN BE MODIFIED TO ADEQUATELY PROTECT THE SITE DURING THE STORM EVENT AND PROVIDE A WRITTEN REPORT TO THE ENGINEER ENGINEER OF RECORD AND/OR MUNICIPALITY.
- ENVIRENCE OF RECORD AND/OR WORKERALTH.

  EN URING AND/OR FOLLOWING EACH SIGNIFICANT STORM EVENT, THE ESSE FACILITATER AND ESS STORM AND A STORM A STORM AND A STORM A STORM AND A STORM A STORM AND A STORM A STORM AND A STORM AND A STORM A STORM AND A STORM A S

-800-474-688

#### LEGAL DESCRIPTION: LOT 2, SECTION 73, ESQUIMALT DISTRICT, PLAN EPP119904

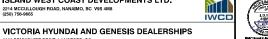
BENCHN	BENCHMARK: MONUMENT: 03H2510, ELEVATION: 70.728, DATUM: CVD28BC (GEODETIC) LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKWAY				
REV. NO.	DESCRIPTION	DR	СН		APP
5	ISSUED FOR BIOLOGICAL CONSIDERATION	JDP	JDP	2024JAN17	JDP
6	RE-ISSUED FOR DEVELOPMENT PERMIT APPLICATION	JDP	JDP	2024FEB09	JDP
7	ISSUED FOR BUILDING PERMIT APPLICATION	JDP	JDP	2024MAR06	JDP
- 8	ISSUED FOR BIOLOGICAL CONSIDERATION	JDP	JDP	2024MAR06	JDP
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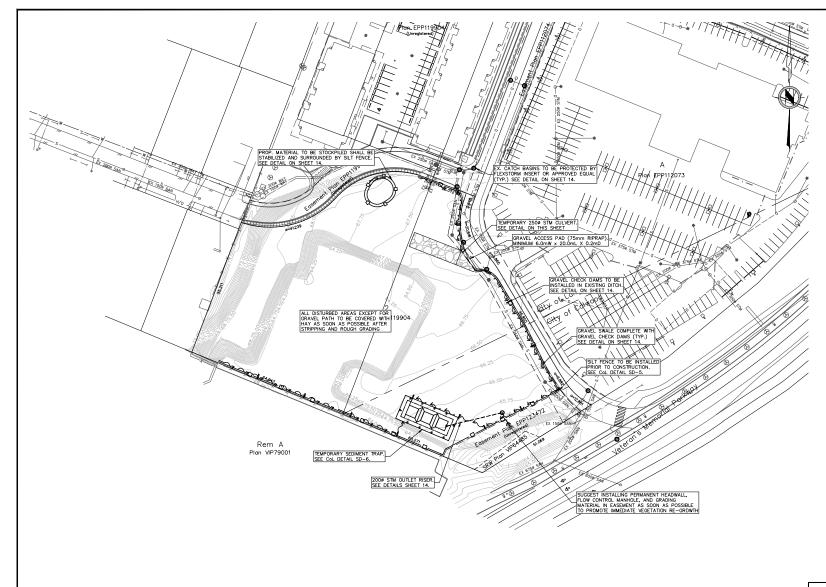
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locate and preserve any and

	THE	N IMMEDIATELY NOTIFY THE EN	IGINEER OF RECORD	
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CONSTRUCTION

NOT FOR



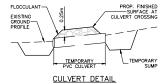
- THE FOLLOWING STRATEGIES ARE THE MINIMUM EFFORTS REQUIRED BY THE OWNER, DEVELOPER, AND THE DEVELOPERS AGENTS (INCLUDING BUT NOT LIMITED TO: THE ENGINEER OF RECORD, ESCR., BULLION SUB-TRADES. & UTILITY COMPANIES). SOME OR ALL OF THESE ACTIONS MAY BE ASSIGNED TO SPECIFIC PERSONNEL THROUGH CONTRACTUAL ARRANGEMENTS. ALL PARTIES ENGAGED ON SITE SHALL COMPLY WITH THE FOLLOWING EROSION AND SEDMENT CONTROL PLANS AND THE REQUIATORY REQUIREMENTS SPECIFIED BY FEDERAL, PROVINCIAL, AND MONOGRAL AUTHORITIES.
- SEE SHEET 14 FOR ESC GENERAL NOTES, ESC MAINTENANCE NOTES, AND ESC DETAILS

# STAGE 1: CLEARING, STRIPPING, AND ROUGH GRADING

- THE CONTRACTOR SHALL INSTALL THE FOLLOWING ESC FACILITIES PRIOR TO THE START OF ANY CLEARING, STRIPPING, OR EXCAVATION:
- 2.1. CONTRACTOR TO INSTALL TREE PROTECTION MEASURES AS REQUIRED BY TREE MANAGEMENT PLAN PREPARED BY OTHERS.
- 2.2. CONTRACTOR TO INSTALL SILT FENCE, AS SHOWN.
- 2.3. CONTRACTOR TO INSTALL "FLEXSTORM CATCH-IT FILTERS" IN EXISTING CATCH BASINS AND LAWN DRAINS, AS NOTED
- 2.4. CONTRACTOR TO INSTALL GRAVEL ACCESS PADS, AS SHOWN.
- 2.5. CONTRACTOR TO INSTALL SWALES AND CHECK DAMS, AS SHOWN.
- 2.6. CONTRACTOR TO INSTALL SEDIMENTATION POND(S), AS SHOWN.
- 2.7. CONTRACTOR TO COVER STOCK AND SPOIL PILES WITH APPROPRIATE COVERING AND SURROUND BY SILT FENCE.
- 2.8. DISTURBED AREAS OF THE SITE TO BE COVERED WITH STRAW LAYER AT AN APPLICATION RATE OF 5 TONNES/HECTARE (100% COVERED OR AS INDICATED).

   3. TOTAL CONTROL OF TONNES AS INDICATED.

   4. TOTAL CONTROL OF TONNES AS INDICATED.
- STREET SWEEPING TO BE CONDUCTED DAILY AS PER ESC GENERAL NOTE 7 AND ESC MAINTENANCE NOTE 4, OR AS DIRECTED BY THE ENGINEER-OF-RECORD. FLUSHING OF ROADWAYS IS PROHIBITED.
- ADDITIONAL MEASURES THAN WHAT IS SPECIFIED MAY BE REQUIRED BY THE ENGINEER OF RECORD AND/OR ESC SUPERVISOR.
- ANY IRREGULARITIES SHALL BE REPORTED TO THE ENGINEER OF RECORD AND/OR ESC SUPERVISOR IMMEDIATELY.



LEGEND: TREE PROTECTION FENCE (BY OTHERS) PROPOSED SILT FENCE LOCAL OVERLAND FLOW PROPOSED GRAVEL SWALE GRAVEL CHECK DAM PROPOSED STRAW/HAY (5 TONNES/HECTARE) GRAVEL ACCESS PAD 8888 CATCH BASIN (EXISTING) Ø LAWN BASIN (EXISTING) FILTER SOCK COVER OVER CATCH **@@**@ BASIN/LAWN BASIN

#### NOTICE TO CONTRACTOR

IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S SURVEYOR TO VERIFY THAT ALL LEGAL SURVEY DIMENSIONS SHOWN ON THE ENGINEERS DRAWINGS AGREE WITH THOS! ON THE REGISTERED LEGAL SURVEY PLAN. SHOULD THERE BE ANY DISCREPANCIES, THE PROJUMETED AS THE PROJUMETED AS THE PROJUMETED OF ESCORED.

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#### EGAL DESCRIPTION: LOT 2, SECTION 73, ESQUIMALT DISTRICT, PLAN EPP119904

BENCHMARK: MONUMENT: 03H2510, ELEVATION: 70.728, DATUM: CVD28BC (GEODETIC)

LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKWAY

REV. NO, DESCRIPTION

5 ISSUED FOR BIOLOGICAL CONSIDERATION

JOP JDP 2024JAN17 JDP | 1530ED FOR BIOLOGICAL CONSIDERATION | JUP | JUP | 2024-RB09 | JOF | 6 RE-ISSUED FOR DEVELOPMENT PERMIT APPLICATION JUP | JUP | 2024-RB09 | JUF | 1530ED FOR BUILDING PERMIT APPLICATION JUP | JUP | 2024-MAROB JUF | 8 | SSUED FOR BIOLOGICAL CONSIDERATION JUP | JUP | 2024-MAROB JUF | 3024-MAROB JUP | JUP | 3024-MAROB JUP | 3024-M RE-ISSUED FOR CITY REVIEW

# APLIN MARTIN

Aplin & Martin Consultants Ltd. #104 - 6596 Applecross Road, Nanalmo, B.C. Canada V9V 0A4 Tel: (778) 841-0484, Fax: (604) 597-9061, Email: general@aplinmartin

## ISLAND WEST COAST DEVELOPMENTS LTD.

2214 MCCULLOUGH ROAD, NANAIMO, BC V9S 4M8 (250) 756-9665

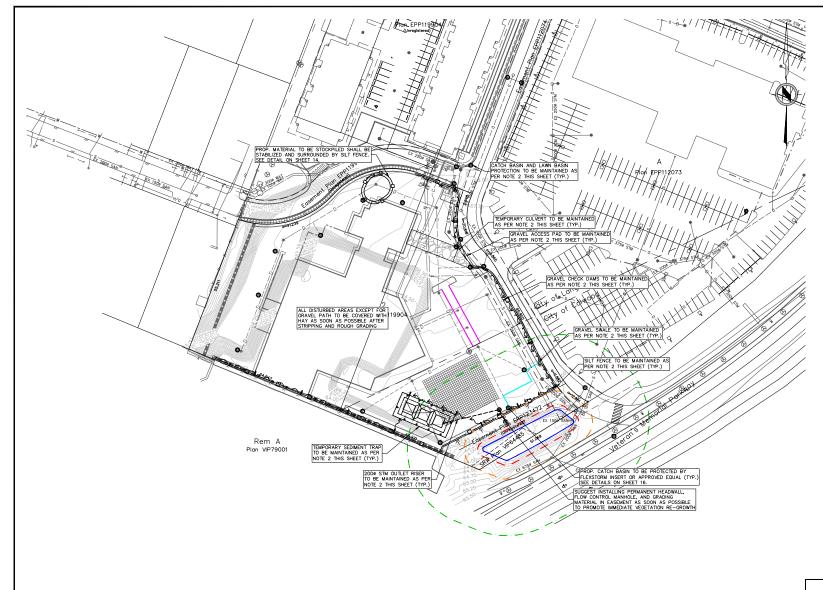
VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC



IWCD

underground utilities are shown
in an approximate way only &
have not been independently
verified by the owner or its
representative. The contractor
shall determine the exact
location of all existing utilities
before commencing work, and
garees to be fully responsible
agrees to be fully responsible for any and all damages which
might be occasioned by the
contractor's failure to exactly
locate and preserve any and a
underground utilities.

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- NOTES:
  THE FOLLOWING STRATEGIES ARE THE MINIMUM EFFORTS REQUIRED BY THE OWNER, DEVELOPER, AND THE DEVELOPERS AGENTS (INCLUDING BUT NOT LIMITED TO: THE ENGINEER OF RECORD, ESC SUPERVISOR, GENERAL CONTRACTORS, SUB-CONTRACTORS, SUB-CONTRACTORS, SUB-CONTRACTORS, SUB-CONTRACTORS, SUB-CONTRACTORS, SUB-CONTRACTORS, SUBLIDER, BUILDER, BUILDER, BUILDER, SUBLIDER, SUBLICIANS (SUB-CONTRACTORS), SOME OR ALL OF THESE ACTIONS MAY BE ASSIGNED TO SPECIFIC PERSONNEL TROUGH CONTRACTULA ARRANGEMENTS. ALL PARTIES ENGAGED ON SITE SHALL COMPLY WITH THE FOLLOWING PARTIES ENGAGED ON SITE SHALL COMPLY WITH THE REQUIRATION SPECIFICAL PROVINCIAL, AND MUNICIPAL AUTHORITIES.
- SEE SHEET 14 FOR ESC GENERAL NOTES, ESC MAINTENANCE NOTES, AND ESC DETAILS

# STAGE 2: UTILITIES, ROADWORKS, AND BUILDING PAD

- ALL ESC FACILITIES TO BE CONTINUOUSLY MAINTAINED BY THE GENERAL CONTRACTOR, ESC SUPERVISOR TO CONDUCT REGULAR SECTION OF THE CONTRACTOR OF THE ENGINEER OF RECORD AND/OR THE ESC SUPERVISOR.
- AFTER INSTALLATION OF CATCH BASINS AND LAWN DRAINS,

  "FLEXSTORM CATCH—IT FILTERS" ARE TO BE INSTALLED. CLEAN
  AND REPLACE AS NECESSARY AS PER ESC MAINTENANCE NOTES
- AND REPLACE AS NECESSARY AS PER ESC MAINTENANCE STREET SWEEPING TO BE CONDUCTED DAILY AS PER ESC GENERAL NOTE 7 AND ESC MAINTENANCE NOTE 4, OR AS DIRECTED BY THE ENGINEER-OF-RECORD. FLUSHING OF ROADWAYS IS PROHIBITED.
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- ANY IRREGULARITIES SHALL BE REPORTED TO THE ENGINEER OF RECORD AND/OR ESC SUPERVISOR IMMEDIATELY.



#### NOTICE TO CONTRACTOR

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EGAL DESCRIPTION: LOT 2, SECTION 73, ESQUIMALT DISTRICT, PLAN EPP119904 BENCHMARK: MONUMENT: 03H2510, ELEVATION: 70.728, DATUM: CVD28BC (GEODETIC)
LOCATED AT: MEAFORD AVENUE AND VETERANS MEMORIAL PARKWAY
REV. NO. DESCRIPTON
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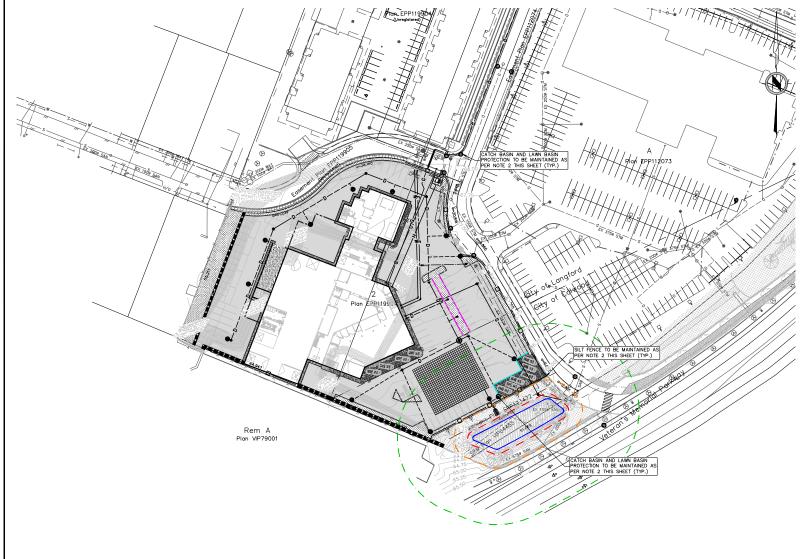
ISLAND WEST COAST DEVELOPMENTS LTD. 2214 MCCULLOUGH ROAD, NANAIMO, BC V9S 4M8 (250) 756-9665





THEN IMMEDIATELY NOTIFY THE ENGINEER OF RECORD				
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- SEE SHEET 14 FOR ESC GENERAL NOTES, ESC MAINTENANCE NOTES, AND ESC DETAILS

# STAGE 3: FINAL GRADING THROUGH TO SUBSTANTIAL COMPLETION

- ALL ESC FACULTIES TO BE CONTINUOUSLY MAINTAINED BY THE GENERAL CONTRACTOR, ESC SUPERVISOR TO CONDUCT REGULAR SOLD FOR THE CONTRACTOR AND THE CONTRACTOR OF T
- STREET SWEEPING TO BE CONDUCTED DAILY AS PER ESC GENERAL NOTE 7 AND ESC MAINTENANCE NOTE 4, OR AS DIRECTED BY THE ENGINEER-OF-RECORD, FLUSHING OF ROADWAYS IS PROHIBITED.
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LEGEND:	
TREE PROTECTION FENCE (BY OTHERS)	
PROPOSED SILT FENCE	
PROPOSED GRAVEL SWALE	~, ~, ·
RETAINING WALL	
ASPHALT PAVEMENT	
CONCRETE PAVEMENT	19-11-12-11-18
LANDSCAPING - SEE LANDSCAPE ARCHITECT DRAWINGS FOR DETAILS	
CATCH BASIN (EXISTING)	∅
LAWN BASIN (EXISTING)	0
CATCH BASIN (PROPOSED)	
LAWN BASIN (PROPOSED)	•
FILTER SOCK COVER OVER CATCH BASIN/LAWN BASIN	000

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VICTORIA HYUNDAI AND GENESIS DEALERSHIPS 2930 BRICKSHIRE DRIVE, LANGFORD, BC



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