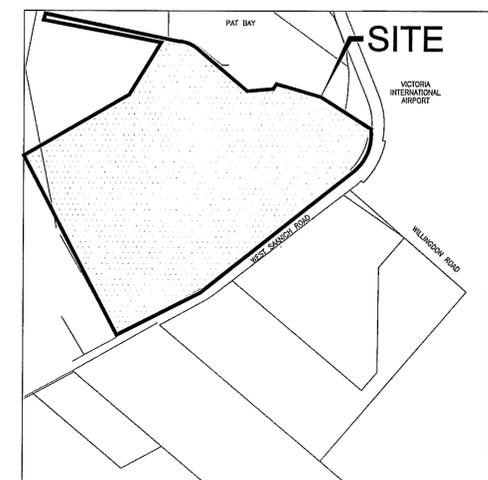


ISSUES			
No.	DATE	ISSUED FOR	ISSUED FOR
1	2018.05.23	REVIEW	
2	2018.08.16	TENDER	

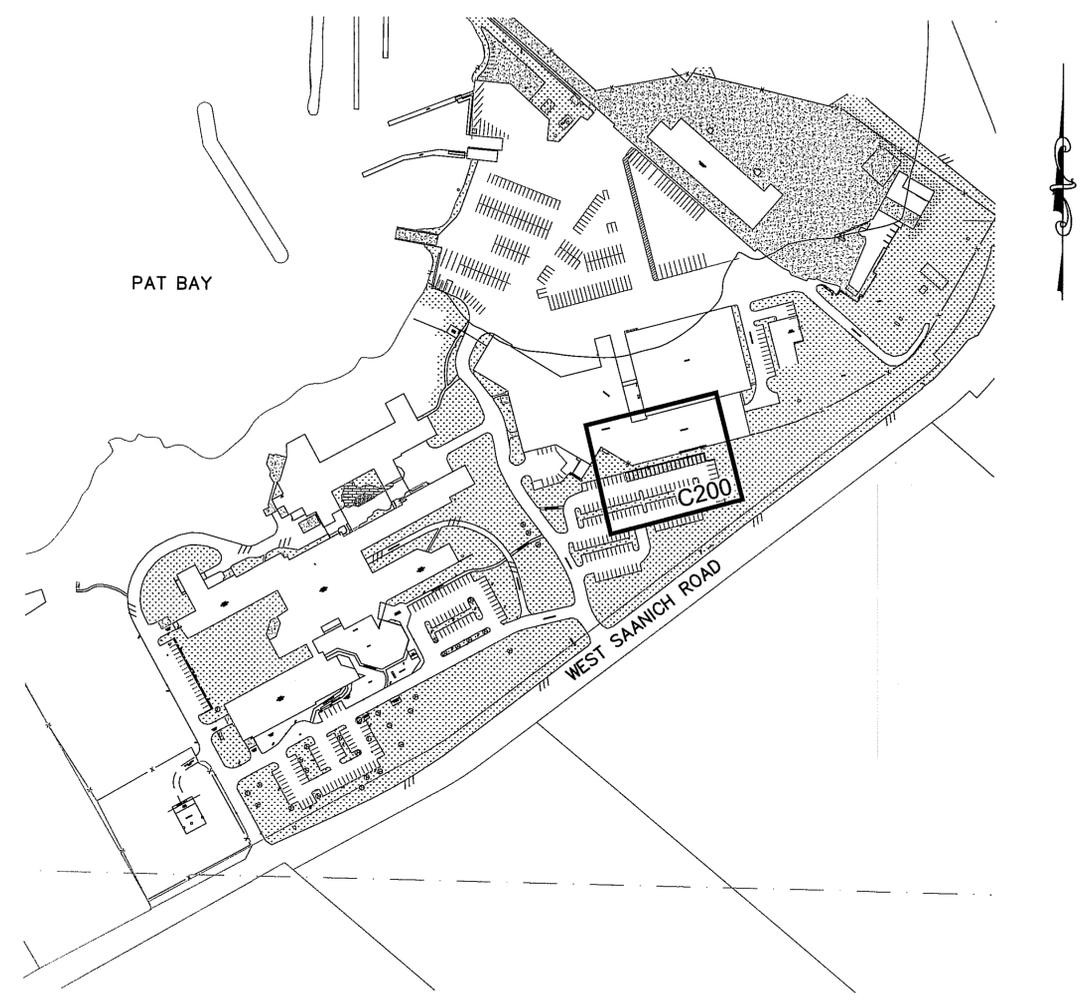
LEGEND			
EXISTING	PROPOSED	DESCRIPTION	DESCRIPTION
		EDGE OF PAVEMENT	REDUCER
		CURB AND GUTTER	FENCE
		EDGE OF GRAVEL	DITCH/SWALE
		TOP/BOTTOM OF BANK	WATERMAIN (SIZE AND MATERIAL NOTED)
		CATCH BASIN	SANITARY SEWER (SIZE AND MATERIAL NOTED)
		WATER VALVE	SD
		FIRE HYDRANT	SD
		CAPPED END	UT
		UTILITY POLE AND STREET LIGHT (LABELLED PP,TP,PP/LS ETC.)	UT
		MANHOLE	UH
		CLEANOUT	○
		SANITARY/STORM INSPECTION CHAMBER (200# RISER)	○
		JUNCTION BOX	○
		AIR VALVE	○
		WM	○
		PROPERTY LINE	○
		CENTERLINE AND STATIONING	○
		SANITARY SEWER SERVICE CONNECTION AT MAIN	○
		ELEVATIONS	○
		PAVEMENT REMOVAL	○
		NEW ASPHALT	○



LOCATION PLAN  
NOT TO SCALE

LIST OF DRAWINGS

DWG No.	DESCRIPTION
C100	LOCATION PLAN, KEY PLAN, DRAWING LIST & GENERAL NOTES
C200	GRADING PLAN AND DETAILS



KEY PLAN  
1:2000



GENERAL NOTES:

- ALL WORK AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD) REQUIREMENTS.
- THE ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO COMPLY WITH ALL APPLICABLE MINISTRY OF ENVIRONMENT AND DEPARTMENT OF FISHERIES & OCEANS CANADA REQUIREMENTS AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR TO CONFIRM LOCATION OF EXISTING UTILITIES AT ALL CROSSINGS AND CONNECTIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO CONFIRM THAT ELEVATION, LOCATION AND GRADIENT OF ASPHALT MATCH EXISTING PRIOR TO PLACEMENT OF ASPHALT OR CONCRETE.
- CONTRACTOR TO BE REGISTERED WITH WORKSAFE BC.
- CONTRACTOR TO ABIDE BY SITE REGULATIONS AS NOTED IN CONTRACT DOCUMENTS AND ON CONSULTANT DRAWINGS.
- ALL TREES IN THE CONSTRUCTION AREA SHALL BE PROTECTED.
- ADJUST ALL MANHOLES, WATER VALVES, HYDRO VAULTS, ETC. TO MATCH NEW CONSTRUCTION.
- ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED BY USE OF A PIPE LOCATOR AND MANUAL DIGGING. ALL OR ANY STRUCTURES NOT NECESSARILY SHOWN.
- ALL ELEVATIONS ARE TO GEODETIC DATUM AND ARE REFERENCED TO MONUMENTS 78H7238 AND 78H7239 LOCATED OUTSIDE THE PROJECT BOUNDARY AS NOTED ON THE SITE PLAN OF INSTITUTE OF OCEAN SCIENCES.
- DATA SOURCES:  
-ASBULTS PROVIDED BY THE INSTITUTE OF OCEAN SCIENCES.

ROAD NOTES:

- ALL CURBS TO BE CONCRETE AS PER DETAIL ON SHEET C200 UNLESS OTHERWISE NOTED.
- TRENCH RESTORATION AS PER MMCD STD. DWG. No. G4
- CONTRACTOR TO ENSURE EXISTING MONUMENTS OR IRON PINS IN DANGER OF DISTURBANCE ARE TO BE REFERENCED AND, IF DISTURBED, BE REPLACED BY A BCLS AT THE CONTRACTORS EXPENSE.
- ALL PAINT MARKINGS AND SIGNAGE TO BE AS PER THE 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD) AND THE 'BIKEWAY TRAFFIC CONTROL GUIDELINES FOR CANADA' PUBLISHED BY THE TRANSPORTATION ASSOCIATION OF CANADA.
- ALL SIGNS TO BE MOUNTED AT A HEIGHT OF 2.00m TO 3.00m.
- ALL PARKING STALL BARS, STOP BARS, CROSSWALK BARS AND TURNING ARROWS TO BE THERMOPLASTIC PAINT.

BC HYDRO/TELUUS/SHAW CABLE/FORTIS BC NOTES:

- SITE LIGHTING AND POWER BY OTHERS.
- EXISTING BC HYDRO, TELUUS, SHAW CABLE AND FORTIS BC INFRASTRUCTURE INFORMATION SHOWN ON DRAWINGS IS SCHEMATIC AND FOR INFORMATION ONLY. REFER TO UTILITY COMPANY DESIGN DRAWINGS FOR CONSTRUCTION DETAILS. CONSTRUCT UNDERGROUND UTILITIES AS SPECIFIED AND IN ACCORDANCE WITH BC HYDRO, TELUUS, SHAW CABLE SPECIFICATIONS AND DRAWINGS.
- CONTACT BC 1 CALL AT 1-800-474-6866 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
- CONTACT BC HYDRO, TELUUS, SHAW CABLE AND FORTIS BC 48 HOURS PRIOR TO THE START OF ANY EXCAVATION.

ISSUED FOR TENDER

UPPER PARKING LOT C EXPANSION  
CIVIL CONSTRUCTION DRAWINGS

NORTH SAANICH, BC  
INSTITUTE OF OCEAN SCIENCES



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LOCATION PLAN,  
KEY PLAN,  
DRAWING LIST &  
GENERAL NOTES

DESIGNED AMB	ENGINEER'S SEAL 
DESIGN REVIEW	
DRAFTED GG	
DRAFTING REVIEW	
PROJECT No. 1184-106	CLIENT DRAWING No.
SCALE H: AS NOTED V: AS NOTED	PERMIT No.
HEL DRAWING No. <b>C100</b>	REVISION 1 of 2 <b>2</b>

**ABBREVIATION LEGEND:**

- LS LAMP STANDARD
- AC ASPHALT CURB
- CC CONCRETE CURB
- FH FIRE HYDRANT
- CB CB
- SDMH STORM DRAIN MANHOLE
- SSMH SANITARY SEWER MANHOLE

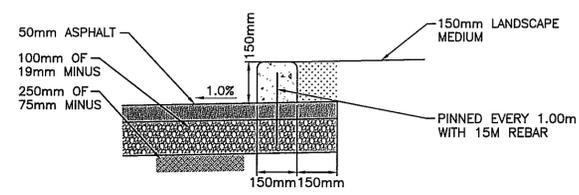
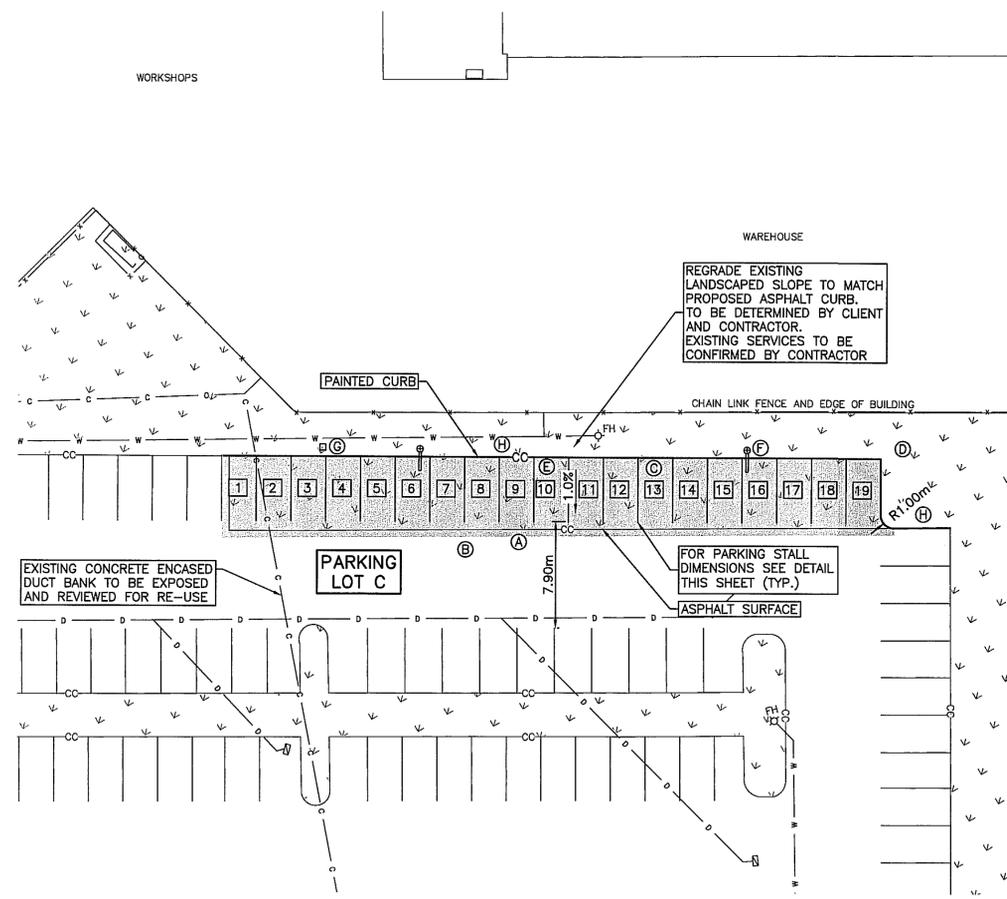
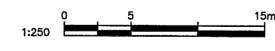
**DETAILED CONSTRUCTION NOTES:**

- FOR GENERAL NOTES SEE DWG. No. C100
- (A) REMOVE AND DISPOSE OF EXISTING ASPHALT CURB, PAINT MARKINGS AND LANDSCAPING. TO BE REMOVED AND DISPOSED OF OFF SITE.
  - (B) APPROXIMATE EXTENT OF SAW CUT JOINT. EXACT LOCATION TO BE DETERMINED IN THE FIELD. MATCH EXISTING GRADE.
  - (C) PAVEMENT RESTORATION AS PER MMCD STD. DWG. No. G5
  - (D) TOPSOIL AND FINISH GRADING AND SEEDING AS PER MMCD SECTION 32 93 01. RECONNECT ANY DISTURBED IRRIGATION SYSTEM COMPONENTS.
  - (E) NEW PARKING STALLS TO BE GRADED AT A MINIMUM OF 1.0% SLOPE TOWARDS THE EXISTING DRIVE AISLE
  - (F) INSTALL NEW LUMINARIES. SEE ELECTRICAL DESIGN DRAWINGS FOR DETAILS. CONCRETE BASES TO BE TYPE B2 AS PER MMCD STD. DWG. No. CE1.2.
  - (G) INSTALL JUNCTION BOX. SEE ELECTRICAL DESIGN DRAWINGS FOR DETAILS.
  - (H) INSTALL NEW CONCRETE CURB AS PER DETAIL ON THIS SHEET

ISSUES		
No.	DATE	ISSUED FOR
1	2018.05.23	REVIEW
2	2018.08.16	TENDER

CLIENT

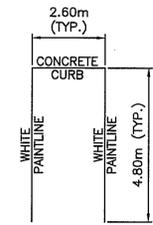
ISSUED FOR TENDER



\*CONTRACTOR TO VERIFY IF EXISTING SUB BASE IS ADEQUATE

\*\*ON SUBGRADE APPROVED BY A GEOTECHNICAL ENGINEER

**EXTRUDED CONCRETE CURB DETAIL**  
NOT TO SCALE



**TYPICAL STALL LAYOUT**  
NTS

File: J:\Projects\1184-106 Upper Parking Lot C\1184-106 Civil Drawings.dwg Plot Time: Aug. 16, 18 3:17 PM User: Sarah Compden

**UPPER PARKING LOT C EXPANSION**  
**CIVIL CONSTRUCTION DRAWINGS**  
  
 NORTH SAANICH, BC  
 INSTITUTE OF OCEAN SCIENCES  
  
**HEROLD ENGINEERING**

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GRADING PLAN AND DETAILS	
DESIGNED AMB	ENGINEER'S SEAL
DESIGN REVIEW	
DRAFTED GG	
DRAFTING REVIEW	
PROJECT No. 1184-106	CLIENT DRAWING No.
SCALE H: AS NOTED V: AS NOTED	PERMIT No.
HEL DRAWING No. <b>C200</b>	REVISION 2 of 2 <b>2</b>

DESTROY ALL DRAWINGS SHOWING PREVIOUS REVISION