# **Abstract Developments**

# 4080 Gordon Head

Saanich, BC



Indscape Sheets	•
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L0 01	General Information
L0 02	Tree Plan
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L1.02	Landscape Grading & Stormwater Management
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NOT FOR CONSTRUCTION

3	DP Revision #2	28 JUL 202
2	DP Revision # 1	27 MAR 202
1	DP	19 DEC 201
rev no	description	date





client

ABSTRACT DEVELOPMENTS 301-1106 COOK ST VICTORIA, BC

project

4080 GORDON HEAD 4080 GORDON HEAD ROAD VICTORIA, BC

sheet title

Cover Page

project no.		119.28
scale	1: 250	@ 24"x36"
drawn by		MDI
checked by		SM
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- SENERAL NOTES

  Work performed shall comply with the following: a) These General Notes, and Construction

  Documents and Specifications; b) Canadian Landscape Standards, Current Edition (CLS-CE), and c)

  All applicable local, provincial, and federal codes, ordinances, and regulations.

  Contractor shall be responsible for verifying all existing site conditions including location of all property lines, existing structures, utilities, and buried infrastructure. Verify all field conditions prior to
- 3. Contractor is responsible for determining means and methods for construction. These drawings may indicate a limit of proposed improvements or limit of work for the delineation of expected extents disturbance. Should limits of disturbance exceed boundaries defined in drawings, contractor shall contact Landscape Architect for resolution
- contact Landscape Architect for resolution.

  Contractor is responsible for repairing all work disturbed by construction outside of limit lines defined on drawings or through their means and methods to a condition better than or equal to the existing conditions prior to commencement of construction at no additional cost to the owner.

  Contractor is responsible for maintaining a complete up-to-date set of drawings and specifications at the construction site and ensuring the documents are readily available for review by the Landscape Architect and noveming appears.
- the construction site and ensuring the documents are readily available for review by the Landscape Architect and governing agency.

  6. Contractor is responsible for coordination of all designs, drawings, specifications and other documents or publications upon which construction is based. Any discrepencies with the drawings and/or specifications and site conditions shall be brought to the attention of the Landscape Architect, prior to proceeding with construction.
- The drawings and specifications are complementary to one another and implied to correspond with one another. Any discrepencies should be brought to the attention of the Landscape Architect for resolution impediately.
- resolution immediately.

  8. General Contractor and/or sub-contractors are responsible for all costs related to production and submission to consultant of all landscape as-built information including irrigation.

## TREE PROTECTION NOTES

- Tree protection fencing, for existing trees, to be installed prior to commencement of all site work. Refer to Arborist's plans for location of tree protection fencing, and protection fencing detail.

  Refer to arborist's report for detailed information for existing tree resources.

  Landscape retaining wall within tree protection zone to use a pre-cast block installed over open
- graded granular or structural soil base (no footing). Max height 600 mm. Construction will use best management practices in consultation with the Project Arborist to minimize native topsoil disturbance
- 4. Patios within tree protection zone to use a permeable pavers and will provide drainage to the adjacent
- Patios within tree protection cone to use a perimeter series and any portectioning of the existing site condition.

  Path within tree protection zone to use 100 mm thick granular crush installed over the existing grade surface. Construction will use best management practices in consultation with the Project Arborist to minimize native topsoil disturbance and topsoil compaction.

- SITE GRADING AND DRAINAGE NOTES

  1. All elevations are in meters.
  2. Refer to Architectural plans, sections and elevations for top of slab elevations. Slab elevations indicated on Landscape drawings are for reference only. Report any discrepancies to consultant for review and response.
  3. All road, public walkway and vehicular drive aisles and parking area elevations indicated on the Landscape drawings are for reference only. Refer to Civil Engineering drawings. Report any discrepancies to consultant for review and response.
  4. Confirm all existing grades prior to contruction. Report any discrepancies to consultant for review and response.

- asponse.

  Inless otherwise noted provide a minimum slope of 2% on all hard and soft Landscape areas to neuro positive drainage away from buildings, to rain gardens, or to drainage devices.

  If landscape areas shall not exceed a maximum slope of 3:1 in all instances.
- Upon discovery, contractor to refrain from blasting rock to meet landscape subgrades. Contractor to contact Landscape Architect on how to proceed in each instance.

- damaged utilities shall be made at the contractor's expense, to the satisfaction of the owner's
- Refer to electrical drawings for electrical service
- Controller and backflow prevention device to be located in Mechanical Room, unless otherwise noted.
- Controller and backhlow prevention device to be located in Mechanical Room, unless otherwise noted.
  Refer to Mechanical drawings for size and location of irrigation service.
   Contractor to verify pressure and flow prior to installation of irrigation and notify owner's representative in writing if such data adversely affects the operation of the system.
   Sleeves shall be installed at the necessary depths, prior to pavement construction. Sleeving shall extend 300 mm from edge of paving into planting area, and shall have ends marked above grade unless otherwise shown.
- unless otherwise shown.

  9. Contractor to field fit impation system around existing trees, to limit disturbance to root systems.

  10. At various milestones during construction, inspection and testing of components will be required to ensure that the performance of imgation system meets standards and specifications. Contractor to provide equipment and personnel necessary for performance of inspections and tests. Conduct all inspections and tests in the presence of the contract administrator. Keep work uncovered and accessible until successful completetion of inspection or test.

  11. Over spray onto hardscape areas to be minimized. Use drip irrigation within small planting areas to avoid overspray.
- avoid overspray.

  12. Trees within shrub or rain garden areas to be irrigated with spray heads.

## GROWING MEDIUM NOTES

- Refer to Landscape Specifications for growing medium properties by soil type
   Advise Contract Administrator of sources of growing medium to be utilized 14 days in advance of
- owing medium properties and handling shall meet CLS-CE (see Section 6 CLS-CE).
- Contractor is responsible for soil analysis and amendment requirements to supply suitable growing medium, as specified by testing agency. Soil analysis and amendment costs shall be included in the
- price for the work.

  Submit to the Landscape Architect a copy of the soil analysis report from Pacific Soil Analysis Inc.

  5-11720 Voyageur Way, Richmond, BC, V6X 3G9 p. 604-273-8226. The analysis shall be of tests done on the proposed growing medium from stratified samples taken from the supply source. Costs of the initial and all subsequent tests to ensure compliance with the specifications shall be borne by
- Contract Administrator will collect sample of growing medium in place and determine acceptance of material, depth of growing medium and finish grading. Approval of growing medium material subject soil testing and analysis. Planting is not to occur until finished grades have been approved by Contract Administrator.

## SITE LAYOUT NOTES

- Provide layout of all work for approval by Contract Administrator prior to proceeding with work.
  Requests for site review as required 48 hours in advance of performing any work, unless otherwise
- 2. Layout and verify dimensions prior to construction. Bring discrepancies to the attention of the Contract
- 3. Written dimensions take precedence over scale. Do not scale drawings.
  4. All plan dimensions in metres and all detail dimensions in millimetres, unless otherwise noted.
  5. Where dimensions are called as 'equal' or 'eq', space referenced items equally, measured to centre

### **GENERAL PLANTING NOTES**

- Plant quantities on Plans shall take precedence over plant list quantities.

  Provide layout of all work for approval by Contract Administrator prior to proceeding with work.

  Plant material, installation and maintenance to conform to the current edition of the Canadian

  Landscape, Standard. Landscape Standard.
- Plant quantities and species may change between issuance of DP and Construction due to plant availability and design changes. Substitutions to be approved by Landscape Architect.

- IREE PLANTING NOTES

  1. For on-slab landscape, a root barrier will be installed to protect exposed water proof membranes. A dimple board (drain mat) will be installed over the root barrier.

  2. Parkade walls and foundation walls will be protected with a dimple board (drain mat) to convey water to the perimeter drain and protect wall from roots.

  3. A root barrier will be installed between the tree roots and perimeter drain, to minimize tree root interference with the drain, where the follow conditions exist in on-grade planting areas, a)where trees less than 8 m tall are located closer than 2m from a parkade or foundation wall; b) where trees more than 8m tall are located closer than 3m from a parkade or foundation wall; and c) where perimeter drains are less than 2m deep.

- BOULEVARD PLANTING NOTES

  1. Boulevard trees have been placed to avoid existing and proposed infrastructure. Trees planted within 1m of an existing underground municipal service will have a root barrier installed between the root ball and the existing infrastructure.

- I'm of an existing underground municipal service will have a root barrier installed between the root ball and the existing infrastructure.

  2. Boulevard trees will be place a minimum of 1.5m from an above ground municipal service such as fire hydrant, streelight or driveway.

  3. Boulevard tree species have been picked from the municipality's list of recommended boulevard trees or have been selected due their site-adapted qualities. Final selection of boulevard trees to be determined through consultation with municipal parks staff.

  4. Irrigation to be installed as per Municipal Specifications, for all boulevard planting areas junless otherwise indicated).

  5. Design/build drawings for boulevard irrigation to be submitted to Contract Administrator in PDF and dwg formats, at least two weeks prior to commencement of irrigation installation and will be reviewed by municipal staff.

  6. Refer to Civil drawings for location of boulevard irrigation point of connection. Separate water meter and timer/controller, to be provided at point of connection. Timer/controller for boulevard areas must be readily accessible to municipal staff.

  8. Boulevard irrigation to be inspected as per municipal specification by municipal staff. Boulevard tree irrigation system will be maintained and operated by municipally, after it is inspected and approved by municipal staff.

- 8. Soil volume for boulevard trees to be as follows: 8 cu. m. for small trees, 12 cu. m. for medium trees, and 16 cu. m. for large trees.

### **PAVING NOTES**

- Final concrete control joint layout to be confirmed by Landscape Architect prior to installation. Control joints to logically align with edges, corners, and intersections of Landscape and Architectural elements and/or as indicated on plan. Contractor to obtain layout approval by Landscape Architectural installation. Contractor to pour concrete pavement in alternating panels as required to achieve control initial design and to proved part provides. oint design and to prevent cracking
- Cast in place concrete areas that are subject to vechicular loading shall be structurally reinforced for applicable vehicular loading requirements. See Structural Engineering drawings.

### **WARRANTY AND MAINTENANCE NOTES**

- ce from installation to Acceptance of the work by the Contract
- IRRIGATION NOTES

  1. Contractor to provide irrigation system for all planters to current IIABC Standards and Contract Specifications.

  All specified work to meet the project specifications, and all standards or specifications established in the lastest edition of the Canadian Landscape Standard and IIABC standards.

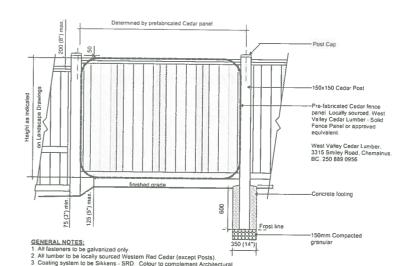
  Design/build drawings for detailed irrigation plan to be submitted to Contract Administrator in PDF and ...dwg formats at least two weeks prior to commencement of irrigation installation

  Utilities Contractor to verify location of all on-site utilities, prior to construction. Restoration of damaged utilities shall be made at the contractor's expense to the estimation of the Canadian Landscape Standards, and the Contract Specifications are submitted to Contract of the current edition of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specifications of the Canadian Landscape Standards, and the Contract Specificati

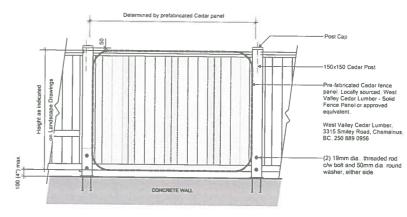
## LIST OF ABBREVIATIONS

APPROX	APPROXIMATE	M	METRE
ARCH	ARCHITECT	MAX	MAXIMUM
AVG	AVERAGE	MFR	MANUFACTURER
		MH	MANHOLE
B&B	BALLED AND BURLAPPED	MIN	MINIMUM
BC	BOTTOM OF CURB	MISC	MISCELLANEOUS
BLDG	BUILDING	MM	MILLIMETRE
BM	BENCHMARK	N	
BC	BOTTOM OF CURB		NORTH
BR	BOTTOM OF RAMP	NIC	NOT IN CONTRACT
BS	BOTTOM OF STEP	NO	NUMBER
BW	BOTTOM OF WALL	NOM	NOMINAL
CAL	CALIPER	NTS	NOT TO SCALE
CB	CATCH BASIN	OÇ.	ON CENTER
CF	CUBIC FEET	GO	OUTSIDE DIAMETER
		PC	POINT OF CURVATURE
CIP	CAST IN PLACE	PE	POLYURETHANE
CL	CENTER LINE	Pi	POINT OF INTERSECTION
CLR	CLEARANCE	Pl.	PROPERTY LINE
CM	CENTIMETER	PT	
CO	CLEAN OUT		POINT, POINT OF TANGENCY
CONT	CONTINUOUS	PVC	POLYVINYL CHLORIDE
CU M	CUBIC METRE	QTY	QUANTITY
DEG	DEGREE	R	RADIUS
DEMO	DEMOLISH, DEMOLITION	REF	REFERENCE
DIA	DIAMETER	REINF	REINFORCE(D)
		REO'D	REQUIRE(D)
DIM	DIMENSION	REV	REVISION
DTL	DETAIL	ROW	RIGHT OF WAY
DWG	DRAWING	S	SOUTH
E	EAST	SAN	
EA	EACH	SD	SANITARY
EL.	ELEVATION		STORM DRAIN
ENG	ENGINEER	SF	SQUARE FOOT (FEET)
EO	FOUAL.	SHT	SHEET
EST	ESTIMATE	SIM	SIMILAR
EW	EACH WAY	SPECS	SPECIFICATIONS
EXIST	EXISTING	SQ M	SQUARE METRE
EXIST		ST	STORM SEWER
	EXPANSION, EXPOSED	STA	STATION
FFE	FINISHED FLOOR ELEVATION	STD	STANDARD
FG	FINISHED GRADE	SYM	SYMMETRICAL
FL	FLOW LINE	TAB	TOP AND BOTTOM
FOC	FACE OF CURB	TC	
FT	FOOT (FEET)		TOP OF CURB
FTG	FOOTING	TF	TOP OF FOOTING
GA	GAUGE	TH	THICK
GEN	GENERAL.	TOPO	TOPOGRAPHY
GR	GRADE ELEVATION	TR	TOP OF RAMP
HORIZ		TS	TOP OF STEP
	HORIZONTAL	TW	TOP OF WALL
HP	HIGH POINT	TYP	TYPICAL
HT	HEIGHT	VAR	VARIES
ID .	INSIDE DIAMETER	VOL	VOLUME
INV	INVERT ELEVATION	W	WITH
1M	INCH(ES)		
INCL	INCLUDE(D)	W/O	WITHOUT
.IT	JOINT	WT	WEIGHT
LF	LINEAR FEET	WL	WATER LEVEL
LP.		WWF	WELDED WIRE FRAME
LP	LOW POINT	YD	YARD
		A	AT

## LEGEND Extent of Parkade, below **Building Overhang** Rain garden - TOP OF POOL Rain garden - BOTTOM OF POOL Cast in Place Concrete Pavemen Cast in Place Concrete c/w Rumble Vehicular Unit Paving Type 1 (Permeable) Vehicular Unit Paving Type 2 (Permeable) Speciality Unit Paving Unit Paving: Hydra-Pressed Slab Granular Path Cast in Place Concrete Feature Band Shrub Planting Area Seating / Retaining Wall Modular Seat Wall Placed on Grade Entry Monument Stone Masonry Feature Wood Fence, 1.8m high (shown offset Controlled Access Patio Gate Metal Construction 幸车-Bike Parking Rack Planter with ornamental plantings 0 Light Bollard Bylaw Protected or Neighbouring Tree Retained and its critical root zone. 0# Refer to Project Aborist Report for Quantity: 3 Bylaw Protected Tree Removed Refer to Project Aborist Report for



Typical 6' Wood Fence On Grade
Scale: 1:25

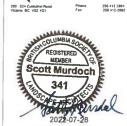


GENERAL NOTES:

2 Typical 6' Wood Fence On Concrete Wall



NOT FOR CONSTRUCTION 3 DP Revision #2 28 JUL 2022 2 DP Revision # 1 27 MAR 2020 DP 19 DEC 2019 description date Murdoch de Greeff Inc



Landscape Planning & Design

ABSTRACT DEVELOPMENTS 301-1106 COOK ST VICTORIA, BC

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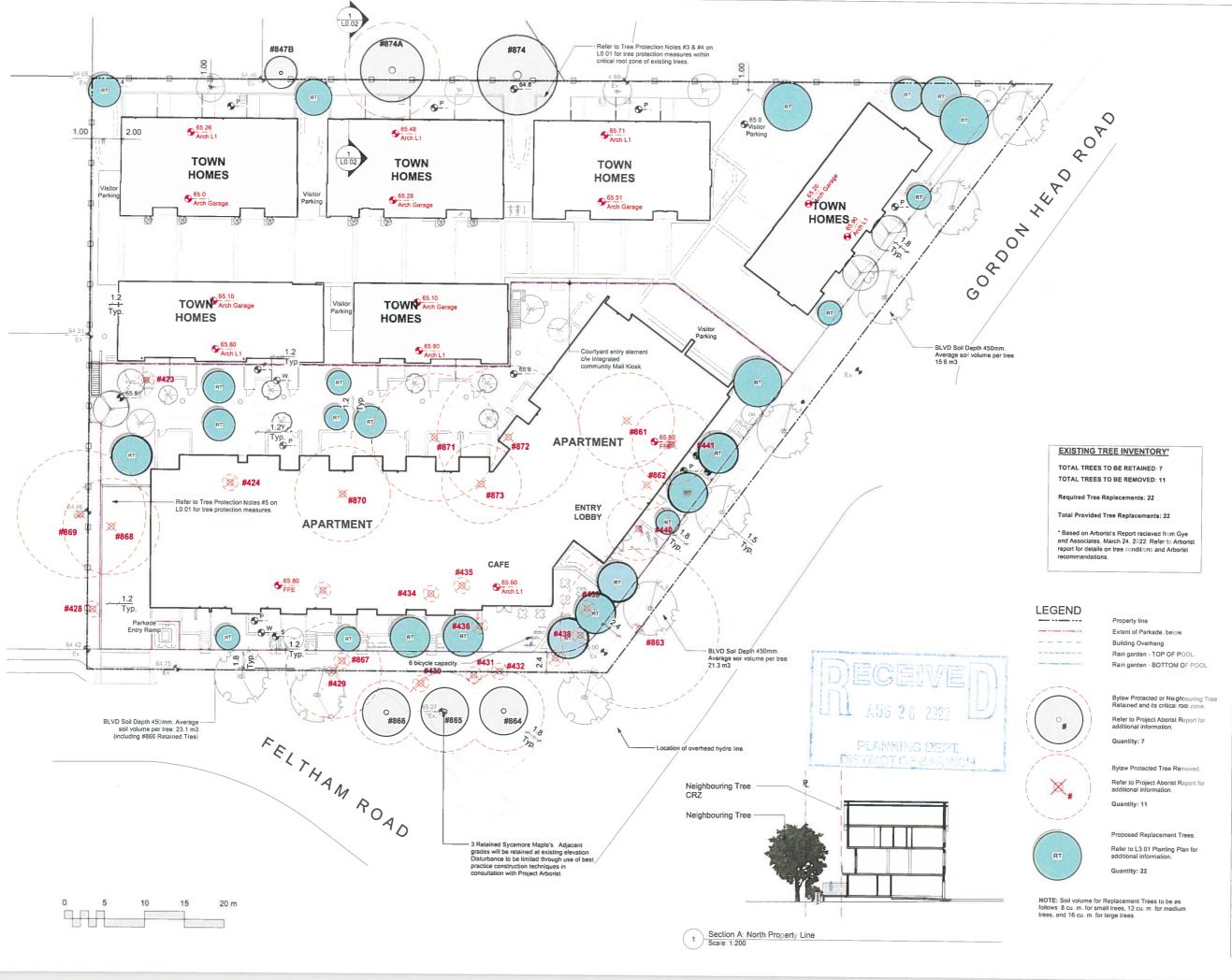
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**General Information** 

119.28 As Shown @ 24"x36" drawn by MDI checked by SM

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ALL DRAWINGS TO BE READ IN ASSOCIATION WITH CONTRACT SPECIFICATIONS.





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ABSTRACT DEVELOPMENTS 301-1106 COOK ST VICTORIA, BC

project

4080 GORDON HEAD 4080 GORDON HEAD ROAD VICTORIA, BC

sheet title

Tree Plan

project no.		119.28
scale	1: 200	@ 24"x36"
drawn by		MDI
checked by		SM

revison no. sheet no.

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DP Revision #2 28 JUL 2022 DP Revision # 1 27 MAR 2020 19 DEC 2019 date Murdoch



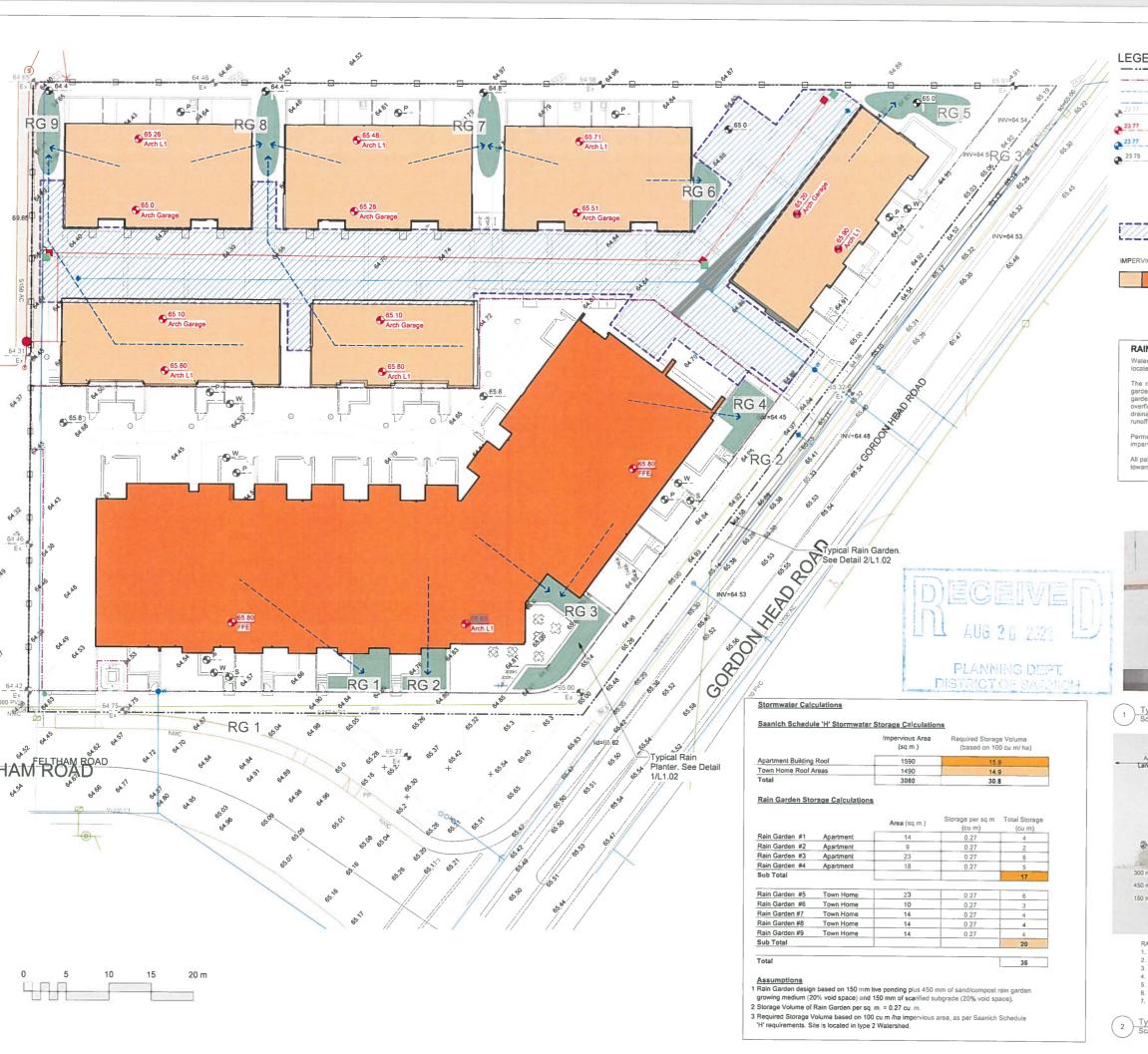


ABSTRACT DEVELOPMENTS 301-1106 COOK ST VICTORIA, BC

4080 GORDON HEAD 4080 GORDON HEAD ROAD VICTORIA, BC

Landscape Materials

	1.01
sheet no	
	SM
	MDI
1: 200	@ 24"x36
	119.28





Architectural grade, provided for reference only Civil grade, provided for reference

Property line Extent of Parkade, below Rain garden - TOP OF POOL Rain garden - BOTTOM OF POOL

only Proposed Landscape grade Patio -50mm from F.F.E.

Existing Landscape Grade

- W Seating and Retention Wall 450mm height Strairs 3-5 Risers depending on final Grade

Mix of permeable (798 sq m) and non-permeable (200 sq m) of paving, Minimum 40% to be permeable payment,

IMPERVIOUS AREAS



Roof drains to Rain Garder

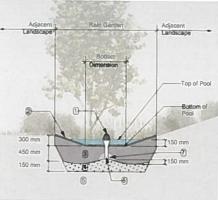
## RAIN WATER MANAGEMENT NOTES

Water collected from building roofs flow to the rain gardens located throughout the site.

The rain gardens are sized such that the bottom of the rain garden is a minimum of 5% of the impervious area. Rain gardens will be designed with underdrains and a high capacity overflow drain that will be connected to the onsite piped drainage system. Rain gardens will slow and treat (clean) runoff from roof areas as indicated on the plan.

All paths and where possible, residential patios will be drained towards absorbent landscape areas or rain gardens.





- RAIN GARDEN MATERIALS

  1. Overflow drain, 200 mm domed grate + adapter

  2. Composted mulch, 50-70 mm depth

  3. Bio-retention growing medium, 500 mm depth

  4. Scanfied/tilled subgrade, 150 mm depth

  5. Existing subgrade/native material

  6. 100 mm diameter (min) perforated pipe

  7. 25 mm diameter drain rock, 100 mm depth



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ABSTRACT DEVELOPMENTS 301-1106 COOK ST VICTORIA, BC

4080 GORDON HEAD 4080 GORDON HEAD ROAD VICTORIA, BC

sheet title

Landscape Grading & Stormwater Management

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checked by		SM

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ABSTRACT DEVELOPMENTS 301-1106 COOK ST VICTORIA, BC

4080 GORDON HEAD 4080 GORDON HEAD ROAD VICTORIA, BC

**Planting Plan** 

project no.		119,28
scale	1: 200	@ 24"x36"
frawn by		MDI
hecked by		SM

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