GAGE RESIDENCE COURTYARD RENEWAL LANDSCAPE DESIGN PRINCIPLES



BORROW THE LOCAL LANDSCAPE

Interpret and deploy planting strategies that are unique to Vancouver and UBC's forest setting and architectural language.

Translate forest metaphors into smaller scale designs to tell the story of 'West Coast Suites' using a mixture of native and ornamental contemporary planting styles.

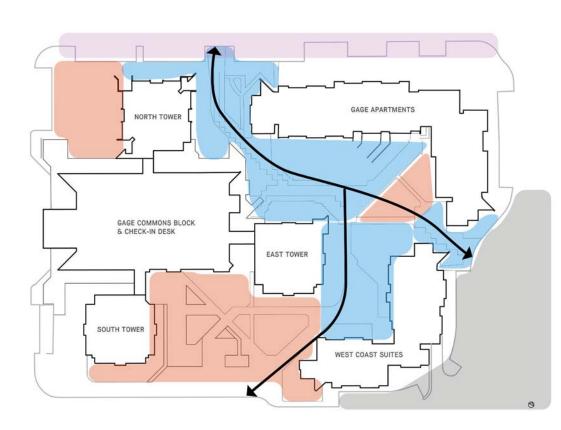


CLARIFY AND ENHANCE

Extend and enhance the existing landscape character zones on site by clarifying zones with distinct plant palettes that complement each other.

Retain as much existing vegetation as possible and translate into a courtyard with clearer design intent. Contrast the existing midcentury brutalist architectural form with striking organic plant massings to create visual interest.

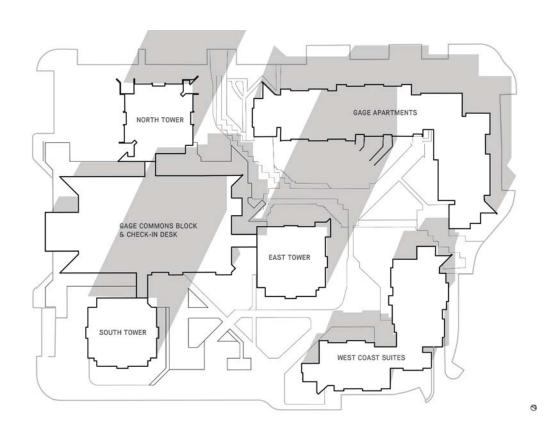
Distinguish the thresholds or entries into the site.



EBB AND FLOW

Focus on main natural circulation routes in the courtyard to emphasize flow between the commonsblock and hotel/apartment out buildings. Provide special moments of pause where there are opportunities to do so.

Make planting the focus of the courtyard as you walk through it, not paving, by narrowing the paths and bringing planting right up to their edges



FOLLOW THE SUN

Sun study shows limited sun reaching the area under renovation. Choose plantings that will succeed and flourish in lower light environments and will be highlighted by moments in the day when the sun does pour in.

Be careful not to restrict sunlight entering units on the ground floor by using deciduous trees and evergreen understory. Take advantage where we can to plant up to the building to create 'forest views' out from units.



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7	Issued for DP	May. 24, 20
6	Phase 1 SLP	May. 18, 20
5	Issued for Review	May. 05, 20
4	Phase 1 SLP	Apr. 10, 20
3	Issued for Review	Mar. 22, 20
2	Issued for Progress	Mar. 20, 20
1	For Arborist Report	Jan. 30, 20
No.	Description	Date

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UBC Gage Residence Courtyard Renewal

Vancouver BC

Landscape Rationale



Date	Jan. 30, 2017	Drawing Number
Project No.	1645	100
Scale	n/a	
Drawn Check	sed SL	





Landscape Architecture Urban Design

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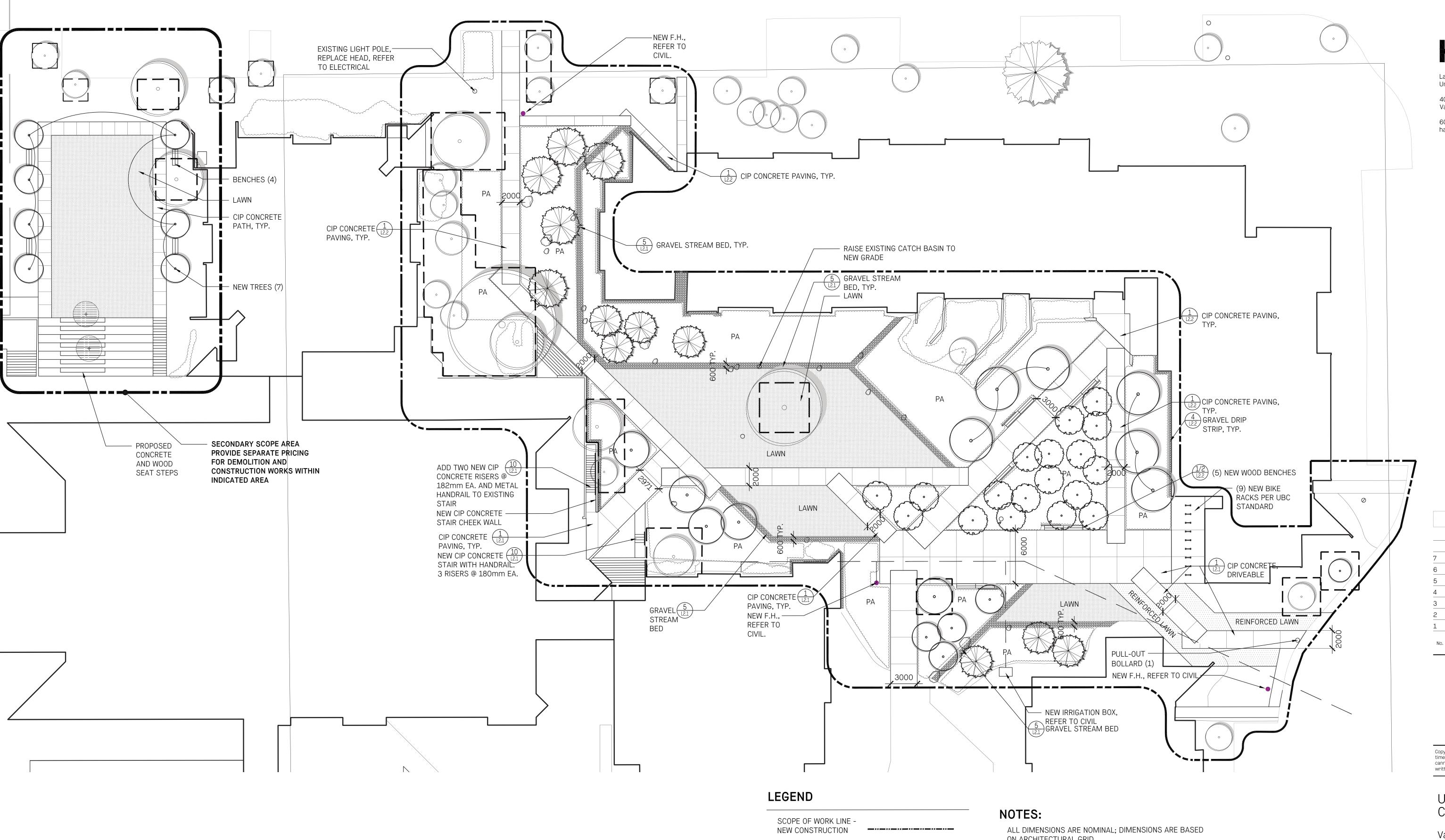
UBC Gage Residence Courtyard Renewal

Vancouver BC

Rendered Plan



Date	Jan. 30, 2017	Drawing Number
Project No.	1645	146
Scale	1:200	LI.(
DrawnlChecke	ed SI	



NEW WATER MAIN - SEE

DETAIL NUMBER

SHEET ON WHICH

DETAIL IS SHOWN

TREE PROTECTION FENCING

PLANTING AREA

NEW SPOT GRADE

+00.00 (EX) EXISTING SPOT GRADE

REVISION

 \Diamond

CIVIL

ON ARCHITECTURAL GRID.

REFER TO ARCH. FOR LAYOUT OF GUARD RAILS; REFER TO GRADING PLAN FOR HORIZONTAL CONTROL OF PAVING/LANDSCAPE AREAS.

REFER TO DETAILS AND SECTIONS FOR ALL LANDSCAPE IMPROVEMENTS.

LANDSCAPE ELEVATIONS BASED ON SURVEY, NOT AS-BUILT DRAWINGS.

CONTRACTOR TO VERIFY ALL CONDITIONS ON SITE.

ALL NEW PATHS TO BE CIP CONCRETE

PROVIDE ALTERNATE UNIT PRICING FOR BENCHES -REFER TO DETAILS.

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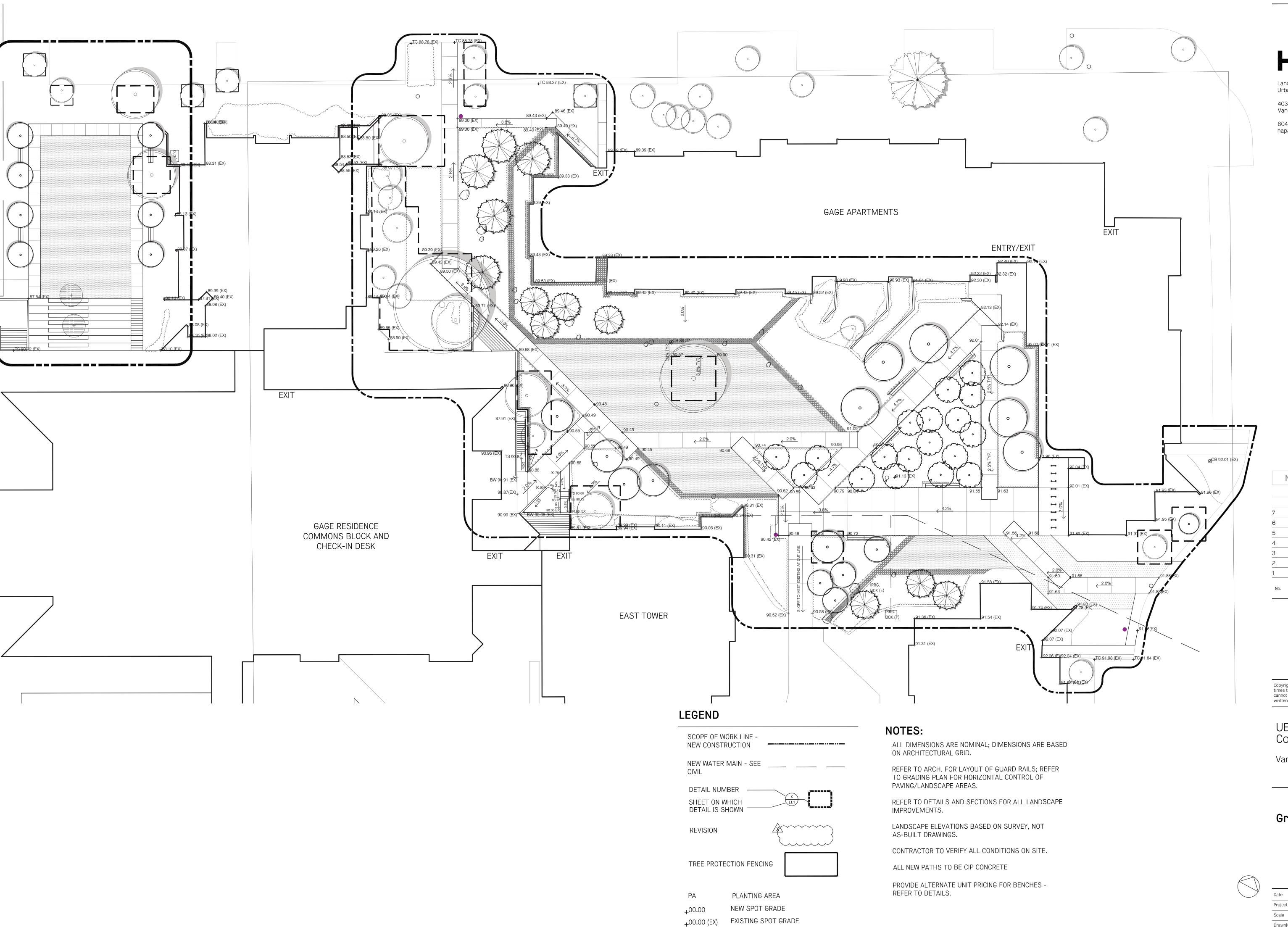
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Vancouver BC

Layout and Materials Plan



()			
У	Date	Jan. 30, 2017	Drawing
	Project No.	1645	1 4
	Scale	1:200	LL
	Drawn Checke	ed SL	



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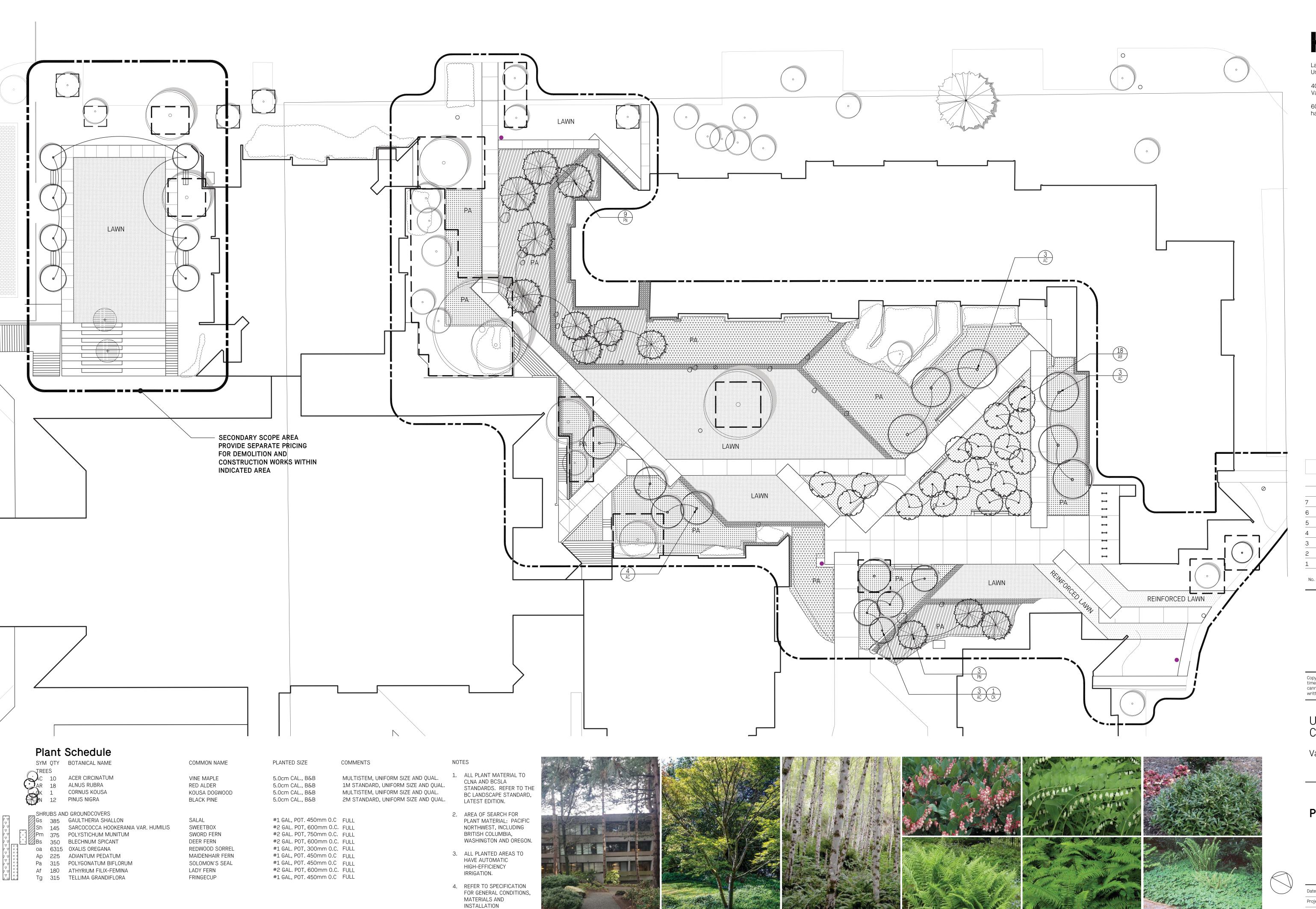
Grading Plan

 Date
 Jan. 30, 2017
 Drawing Number

 Project No.
 1645

 Scale
 1:200

 Drawn|Checked
 SL



REQUIREMENTS.

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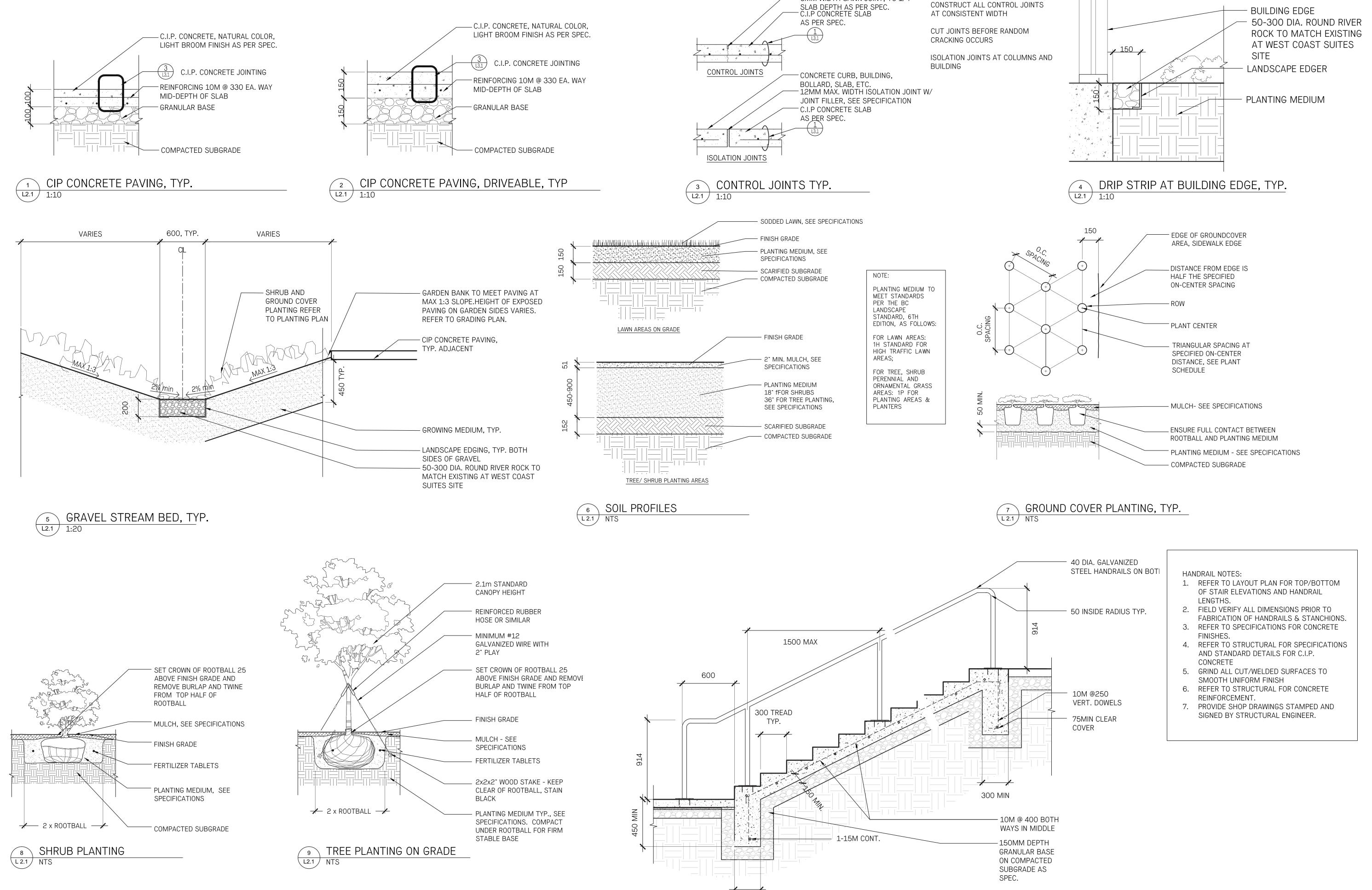
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Vancouver BC

Planting Plan

Date	Jan. 30, 2017	Drawing N
Project No.	1645	1 4
Scale	1:200	LI.
Drawn Checke	ed SL	



6MM WIDTH SAWN JOINT, TO 1/4

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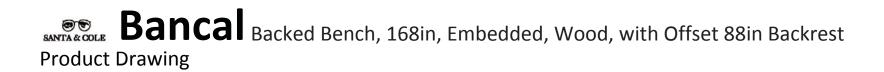
Vancouver BC

Details

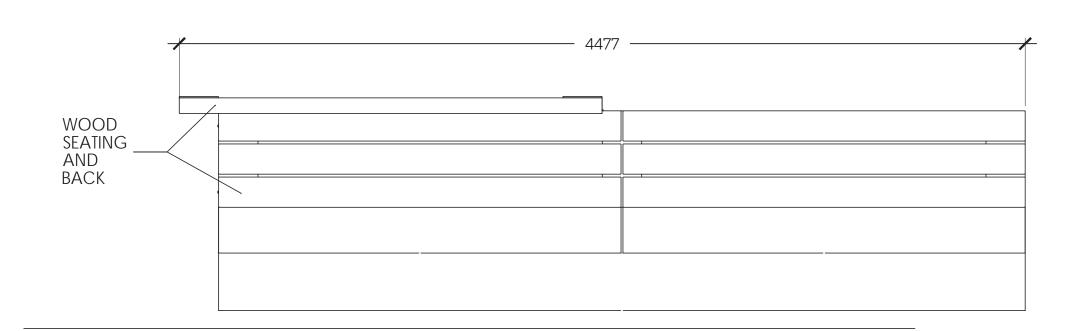
Paving, Planting, Stairs

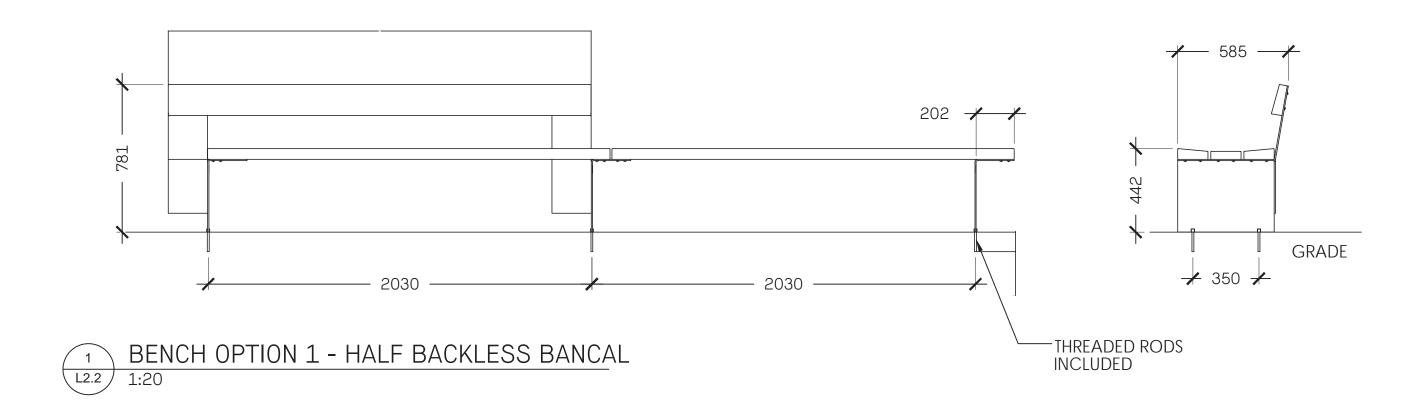
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Project No.	1645	L2.1
Scale	as noted	
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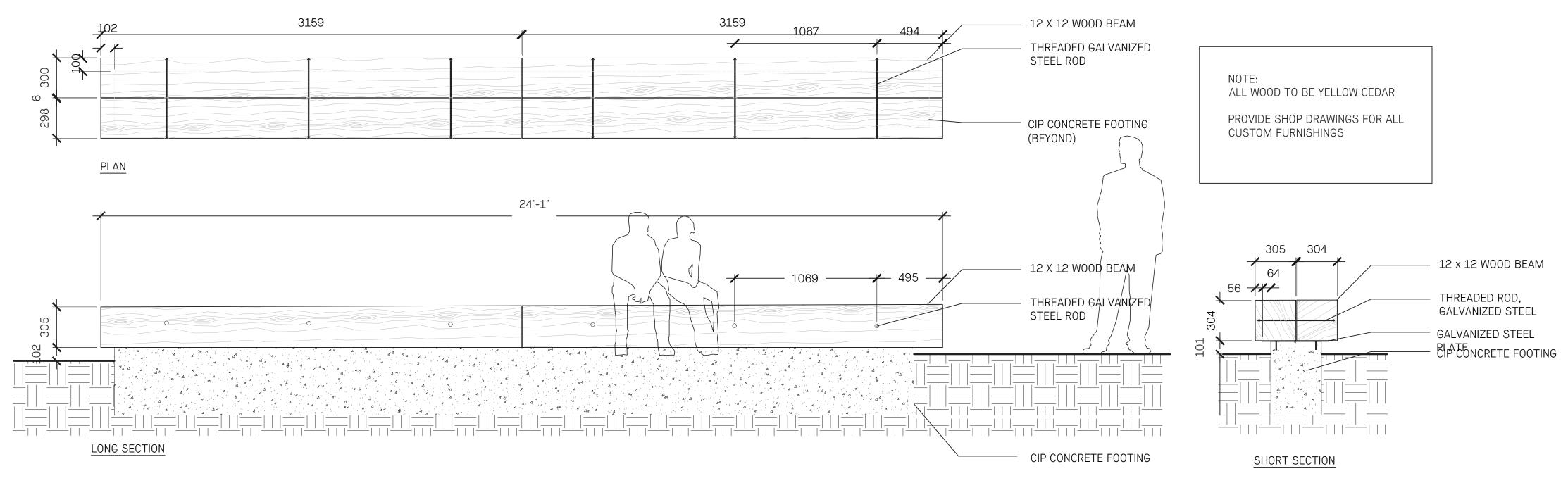
300 MIN



Date: 8/1/2012 www.landscapeforms.com Ph: 800.521.2546







BENCH OPTION 2 - CUSTOM WOOD
L2.2 1:20



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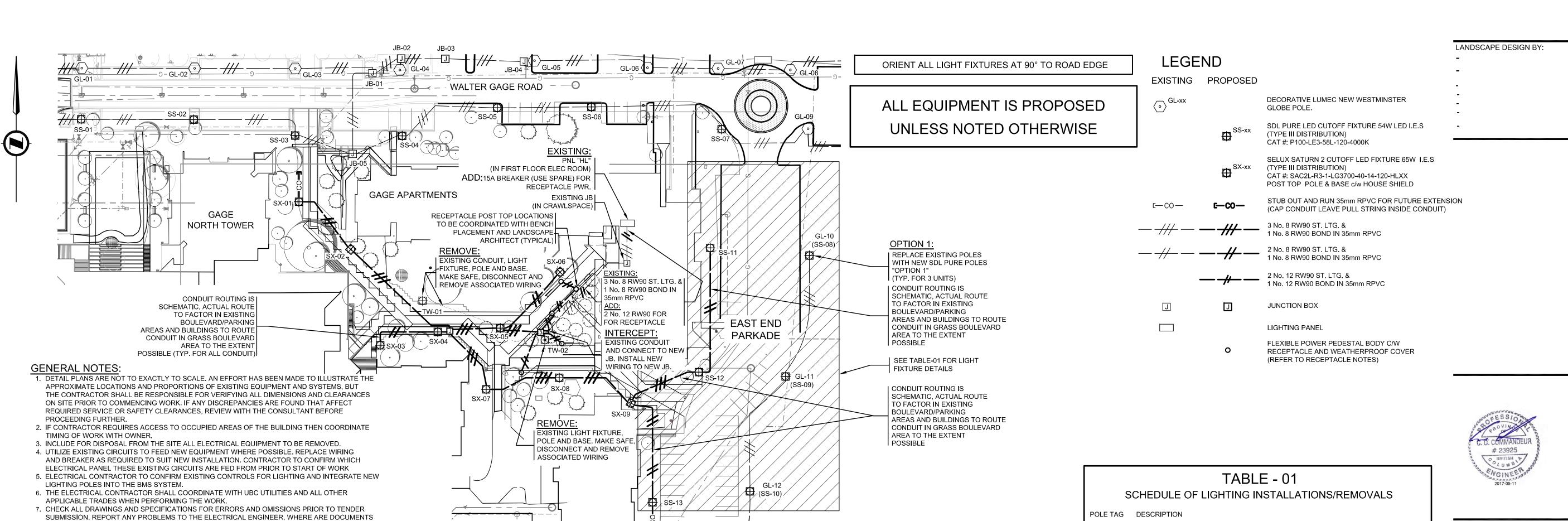
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UBC Gage Residence Courtyard Renewal

Vancouver BC

Details - Walls + Site Furnishings

Date	Jan. 30, 2017	Drawing Numbe
Project No.	1645	12.2
Scale	as noted	
DrawnlChock	od CI	



ELECTRICAL CONTRACTOR SHALL CHECK THE SHOP DRAWINGS, STAMP THEM WITH AN APPROVAL STAMP, AND SIGN THEM PRIOR TO SUBMITTING THEM TO THE ELECTRICAL ENGINEER FOR REVIEW. ALLOW ONE WEEK FOR TURN AROUND FROM THE ELECTRICAL ENGINEER. PROVIDE SUFFICIENT DETAIL TO ALLOW FOR A REASONABLE ASSESSMENT. WHEN MULTIPLE LISTINGS OF EQUIPMENT ARE ON THE SAME DATA SHEET, CLEARLY IDENTIFY THE EQUIPMENT WHICH IS TO BE CONSIDERED. 9. CLEAN UP ALL DEBRIS CREATED DURING THE COURSE OF CONSTRUCTION.

ARE NOT CLEAR AS TO INTENT, OBTAIN CLARIFICATION PRIOR TO TENDER CLOSING OR BASE

8. PROVIDE SHOP DRAWINGS FOR ALL ELECTRICAL EQUIPMENT. SHOP DRAWINGS ARE TO BE

SUBMITIED FOR REVIEW PRIOR TO EQUIPMENT MANUFACTURE AND INSTALLATION. THE

10. REPORT ANY DISCREPANCIES BETWEEN THE ACTUAL SITE CONDITIONS AND THESE DRAWINGS IMMEDIATELY TO THE CONSULTANTS.

STREET LIGHTING NOTES:

TENDER ON THE MORE EXPENSIVE INTERPRETATION.

- 1. UBC ORNAMENTAL STREET LIGHT STANDARDS AND SPECIFICATIONS TO APPLY. 2. CONTRACTOR TO ARRANGE FOR EXACT SERVICE LOCATIONS WITH UBC UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- 3. CONTRACTOR TO NUMBER POLES AS PER UBC INSTRUCTIONS. 4. ALL POLES ARE TO BE PAINTED WITH AN APPLICATION OF A THERMOSETTING POLYESTER
- POWDER COAT PAINT, APPLIED BY MEANS OF AN ELECTROSTATIC PROCESS.
- 5. CONTRACTOR SHALL OBTAIN ALL PERMITS & LICENSES PRIOR TO CONSTRUCTION. 6. ALL STREET LIGHTS ARE TO BE 1.0m CLEAR OF ALL DRIVEWAYS.
- 7. INSTALL A COMPLETE STREET LIGHTING SYSTEM AS SHOWN ON THIS DRAWING, AND IN
- ACCORDANCE WITH MASTER MUNICIPAL CONSTRUCTION DOCUMENTS & STANDARD DETAIL DRAWINGS AND ALSO IN ACCORDANCE WITH THE REQUIREMENTS OF THE CANADIAN ELECTRICAL CODE PART ONE, C 22.1 LATEST REVISION AS ADOPTED BY THE PROVINCE OF BRITISH COLUMBIA. 8. CONTRACTOR SHALL SUBMIT DRAWINGS TO INSPECTION AUTHORITIES, OBTAIN ELECTRIC
- PERMITS AND INSPECTIONS, MAKE ALL NECESSARY ARRANGEMENTS WITH UBC UTILITIES FOR SERVICE CONNECTIONS AND PAY ASSOCIATED FEES. 9. CONTRACTOR SHALL OBTAIN BASE TEMPLATES FROM THE POLE MANUFACTURER FOR ANCHOR
- 10. CONTRACTOR SHALL PROVE LOCATIONS OF ALL UTILITIES AND SERVICES BEFORE STARTING
- 11. CONDUIT TO BE INSTALLED 1m (min) BELOW GRADE TO AVOID ROOT BALLS.

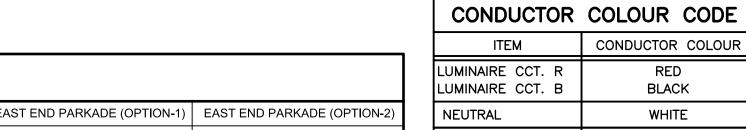
RECEPTACLE NOTES:

- 1. RECEPTACLE TO BE ON "AC DANDY" FLEXIBLE POWER PEDESTAL BODY - MODEL#: 1FP-S-DPP-1
- DIMENSIONS H x W x D: 12 x 4 x 4 (") or 305 x 102 x 102 (mm)
- 2. HANDY HOOD MODEL# DR45-RV-1 TO BE INCLUDED
- 3. BASE TO BE PER MANUFACTURERS RECOMMENDED SPECIFICATIONS

SELUX SATURN 2 CUTOFF LED FIXTURE 65W I.E.S TYPE III DISTRIBUTION (DIM OPTION TO 40% OUTPUT) CAT #: SAC2L-R3-1-LG3700-40-14-120-HLXX UBC GREY (RAL 7043)	SDL PURE LED CUTOFF FIXTURE 54W LED I.E.S TYPE III DISTRIBUTION CAT #: P100-LE3-58L-120-4000K UBC GREY (RAL 7043)
ROUND S35 POLE 3-1/2" DIA. GALV. & POWDER COAT PAINT UBC GREY (RAL 704: 9)	ROUND NOVA POLE GALV. & POWDER COAT PAINT UBC GREY (RAL 7043) LIGHT POLE BASES SX-05 & SX-09 HAVE 3 CONDUITS
TYPE C2 CONCRETE BASE	TYPE C2 CONCRETE BASE
₩ SX-xx	₿SS-xx

PROPOSED SELUX PATHWAY POLE TYPE SX-xx

WALTER GAGE ROAD AND EAST END PARKADE AREA PROPOSED NOVA POLE ROUND POLE C/W SDL PURE LED FIXTURE TYPE SS-XX



GROUND/BOND



GREEN

FIELD LAYOUT TO BE CONFIRMED WITH **ENGINEER PRIOR TO CONSTRUCTION**

EXISTING DECORATIVE LUMEC NEW WESTMINSTER

GLOBE POLE (BASE, FIXTURE AND POLE) TO REMAIN

EXISTING JUNCTION BOX TO REMAIN

ADD NEW CONDUIT AND WIRING

RETROFIT EXISTING DECORATIVE LUMEC NEW WESTMINSTER GLOBE LIGHT

REMOVE PATHWAY POST TOP LIGHT FIXTURE, POLE & BASE. MAKE SAFE,

EAST END PARKADE LIGHTING

AND ADAPTER BRACKET. EXISTING POLE AND BASE TO REMAIN

PROPOSED NEW SELUX SATURN 2 CUTOFF LED PATHWAY LIGHT

POLE (TYPE III DISTRIBUTION). ADD NEW CONDUIT AND WIRING

GL-10 (SS-08) REPLACE EXISTING POLE AND BASE WITH NEW POLE AND BASE C/W SDL PURE

FIXTURE WITH NEW SDL PURE LED STREET LIGHT FIXTURE (TYPE III DISTRIBUTION)

IN THE EVENT OF ANY UTILITY CONFLICTS THE CONTRACTOR SHALL CONTACT GREAT NORTHERN ENGINEERING AT 1-855-463-2266 3 WORKING DAYS PRIOR TO PLANNED INSTALLATION TO ARRANGE FOR THE ENGINEER TO HELP RESOLVE ANY CONFLICTS AND PROVIDE DIRECTION

PROPOSED NEW SDL PURE LED STREET LIGHT POLE (TYPE III DISTRIBUTION).



GL-09

TO

SX-09

TO

JB-05

OPTION-1

GL-12 (SS-10)

OPTION-2

SS-13

FIXTURE

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. SOME UTILITIES MAY NOT BE

CHECK BEFORE YOU DIG

SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.

project

UBC Gage Residence Courtyard Renewal Vancouver BC

drawing:

STREET LIGHTING

date:	11/05/2017
drawn by:	BL
checked by:	CC
project #:	17BC-0006

REVISIONS issue: date: ISSUED FOR SLP 11/05/2017

sheet:

STL-1

LIGHTING DESIGN CRITERIA								
	PER: (ANSI/IES RP-8-00 & UBC PART 3 DESIGN GUIDELINES)							
ROADWAY (NAME)	WALTER GAGE ROAD	GAGE APARTMENTS COURTYARD (OPTION-1)	GAGE APARTMENTS COURTYARD (OPTION-2)	EAST END PARKADE (OPTION-1)	EAST END PARKADE (OPTION-2)			
ROAD CLASSIFICATION	CAMPUS ROAD WITH SIDEWALK	PEDESTRIAN	PEDESTRIAN	PARKADE	PARKADE			
PEDESTRIAN CONFLICT	N/A	N/A	N/A	N/A	N/A			
ILLUMINANCE RECOMMENDED/DELIVERED	6.0 LUX / 13.6 LUX	4.0 LUX / 21.1 LUX	4.0 LUX / 8.0 LUX	4.0 LUX / 5.1 LUX	4.0 LUX / 9.2 LUX			
UNIFORMITY RECOMMENDED/DELIVERED	6.0:1 / 6.5:1	6.0:1 / >=6.0:1	6.0:1 / >=6.0:1	6.0:1 / >=6.0:1	6.0:1 / 5.8:1			
LIGHT LOSS FACTOR	0.78	0.78	0.78	0.78	0.78			
EQUIPMENT:								
FIXTURE TYPE:	HPS / LED	LED	LED	LED	LED			
WATTAGE:	100W / 54W	65W	65W (DIMMED LIGHT OUTPUT TO 40%)	54W	54W			
MTG. HEIGHT:	4.26m / 4.26m	3.6m	3.6m	4.26m	4.26m			
DIST TYPE:	VS / III	III	III	III	III			
IES FILE:	NW-100HPS-PCC-DF (LU000144).IES P100-LE3-58W-120-NW.IES	SAC2L-1-LG3700-R3-35.IES	SAC2L-1-LG3700-R3-35.IES	P100-LE3-58W-120-NW.IES	P100-LE3-58W-120-NW.IES			

Tree Inventory

Tag	Common Name	Botanical Name	DBH	Height	Overall Condition	Retention Value	Comments	Retain/Remove	Tree Retention Comment	ts RPZ
501	Cherry sp.	Prunus sp.	13	6	Normal	High	Well established young tree. Some crossed branching. Open grown in lawn.			2
502	Japanese Cherry	Prunus serrulata	10	4	Normal	High	This young tree could easily be transplanted. It has good form and no discernible defects			2
	,									
							15, 12, 12cm stems. This is a small tree growing in a garden bed. A wall is found 1.5m from its trunk; asymmetrical due to			
503	Vine maple	Acer circinatum	39	5	Normal	High	proximity to building. Some decay at pruning wounds, but species is tolerant. Good structure overall.			2.3
504	Hazelnut	Corylus sp.	20	4	Normal	Medium	Multiple stems form this large woody shrub. DBH is an approximation.			2
505	Ash	Fraxinus sp.	19	12	Normal	High	Vigourous, well maintained street tree. Some paving 1m from base.			2
506	Douglas-fir	Psuedotsuga menzesii	11	6	Normal	High	Limby, open grown tree with a good annula increment			2
		,					Beautiful, open grown, adjacent to building. Asphalt sidewalk appears to have been consructed recently in root zone -			
1858	Golden rain tree	Keolreuteria paniculata	32	5	Normal	High	disturbance 160cm from trunk. Watermain shown of building plan as within root zone.			2
		,					Mature, well maintained tree. Decay cavity at base is minor. Concrete flagstones around root zone have been heaved up by			
1859	European Beech	Fagus sylvatica	49	15	Normal	High	roots.			2.9
1908	Japanese Cherry	Prunus serrulata	20	6	Normal	High	Mature tree growing in trio. Pink flowers. Some decay at pruning wounds, otherwise vigorous.			2
1909	Japanese Cherry	Prunus serrulata	20	6	Normal	High	Mature tree growing in trio. Pink flowers. Some decay at pruning wounds, otherwise vigorous.			2
1910	Japanese Cherry	Prunus serrulata	29	6	Normal	High	14, 15cm stems. Mature tree growing in trio. Pink flowers.			2
1911	Japanese Cherry	Prunus serrulata	32	6	Moderate	Medium	Mature tree growing in trio. Moderate cankers on stem. Full crown, with very broad reaching limbs.			2
1912	Japanese Cherry	Prunus serrulata	32	6	Moderate	Medium	Mature tree growing in trio. Moderate cankers on stem. Full crown, with very broad reaching limbs.			2
1913	Japanese Cherry	Prunus serrulata	36	6	Moderate	Medium	Mature tree growing in trio. Moderate cankers on stem. Full crown, with very broad reaching limbs.			2.2
1914	Japanese Cherry	Prunus serrulata	22	6	Moderate	Low	Small tree growing in trio. Moderate cankers and decay on stem. Relatively small crown.			2
	'									
1915	Japanese Cherry	Prunus serrulata	37	6	Moderate	Low	23, 15cm stems. Mature tree growing in trio. Moderate cankers on stem. Several large limbs have been removed.			2.2
1916	Japanese Cherry	Prunus serrulata	23	6	Moderate	Low	Mature tree growing in trio. Moderate cankers on stem. Several large limbs have been removed.			2
1917	European Beech	Fagus sylvatica	43	12	Normal	High	Open grown, oval shaped crown has been well maintained. Very minor cankers on north side of trunk.			2.6
1933	Black Walnut	Juglans nigra	19	8	Excellent	High	Open grown with good crown form. Plenty of growing space for the future expansion of crown.			2
							Asymmetrical crown due to competition with larger maple, adjacent. Extensive cankers and decay at pruning wounds. This tree			
1934	Mountain Ash	Sorbus aucuparia	36	12	Moderate	Low	is in decline, and is of a species which has a poor capactly for compartmentalization- it is vulnerable to further decay.			2.2
1935	Magnolia	Maanolia sp.	91		Moderate	High	24, 91, 25cm stems. Multiple codominant stems have large inclusions at base. Very large crown.			5.5
9778	Korean Dogwood	Cornus sp.	15	4	Normal	High	5 stems, each approximately 5cm. Well maintained and growing in garden bed.			2
										─
							Vigorous tree with fine vase shaped crown. Recent breakage of leader should be monitored and pruned. Lacks inclusion and			
9779	Katsura	Cercidiphyllum japonicum	18	9	Normal	High	poor apical dominance common in the species. Plenty of growing space except for relic of a walkway and handrail 140cm away.			2
										─
9780	Vine maple	Acer circinatum	45	6	Normal	Medium	Treat multiple stems as approximately 45cm DBH. Very wide crown is asymmetrical, pruned away from building			3.2
3780	ville maple	Acer circinatum	43	- 0	INOTITIAL	ivieululli	13,12,12 cm stems small tree growing in garden bed. Pavement over root zone. Decay cavities in trunk are			3.2
0704		C	37							
9781	Dogwood	C.nuttallii	3/	4	Moderate	Low	relativley minor.			2
				١.			3x10cm stems. Small tree growing in garden bed. Pavement over root zone. Decay cavities in stem are relatively			
9782	Dogwood	C.nuttallii	30	4	Moderate	Low	minor			2
9783	Vine maple	Acer circinatum	39	5	Normal	High	15, 12, 12cm stems. Small tree growing in garden bed. Wall 1.5m from trunk. Only minor deadwood in crown.			2.7
9785	Dogwood	C.nuttallii	30		Moderate	Low	3x10cm stems. Small tree growing in garden bed. Decay cavities in trunk.			2
9786	Dogwood	C.nuttallii	20		Moderate	Low	2x10cm stems. Small tree growing in garden bed. Decay cavities in trunk.			2
							12,10,10cm stems. Small tree growing in garden bed. Wall 1.5 from trunk. Asymmetrical due to proximity to building. Some			
9788	Vine maple	Acer circinatum	32	5	Normal	High	decay at pruning wounds, but species is tolerant. Good structure overall.			2
9790	Vine maple	Acer circinatum	20	8	Normal	Medium	4+x10cm stems. Large for the species. Long wound from loss of stem.			2
9791	Vine maple	Acer circinatum	20		Poor	Low	2x10cm stems. Small tree growing in garden bed. Stunted with de at cavities			2
9793	Vine maple	Acer circinatum	20	8	Normal	Medium	4+x10cm stems. Large for the species. Long wound from loss of stem.			2
9794	Dogwood	Cornus sp.	9	2	Poor	Low	Small tree with extensive internal decay and a large wound at its base.			1
	Vine maple	Cornus sp.	40	8	Normal	Medium	4+x10cm stems. Large for the species.			2.4
9806	Magnolia	Magnolia sp.	9	5	Normal	High	Small tree in parking lot bed. Appears vigourous. Could easily be transplanted.	†		1
No Tag 1	Ash	Fraxinus sp.	19	12	Normal	High	Vigourous, well maintained street tree, Some paying 1m from base.			2
No Tag 2	Magnolia	Magnolia sp.	9	5	Normal	High	Small tree in parking lot bed. Appears vigourous. Could easily be transplanted.	†		1
No Tag 3	Ash	Fraxinus sp.	19	12	Normal	High	Vigourous, well maintained street tree. Some paving 1m from base.	 		2
8 5	P						1. Services and the services address that th		1	<u> </u>

