UBC BROCK COMMONS PHASE II - PUBLIC REALM

ISSUED FOR DEVELOPMENT PERMIT

DATE: NOVEMBER 26, 2019

UBC Properties Trust
Suite 200 - 3313 Shrum Lane, Vancouver, BC V5T 1E2
Tel | 604.731.3103 Fax | 604.731.2130

UBC Campus + Community Planning
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LANDSCAPE DRAWING LIST

GENERAL NOTES

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ADHERENCE TO ORDINANCES, REGULATIONS, LAWS AND CODES HAVING JURISDICTION OVER THE PROPERTY PRIOR TO COMMENCING WORK.

ALL MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL MEET THE UNIVERSITY OF BRITISH COLUMBIA SPECIFICATIONS AND DESIGN STANDARDS .

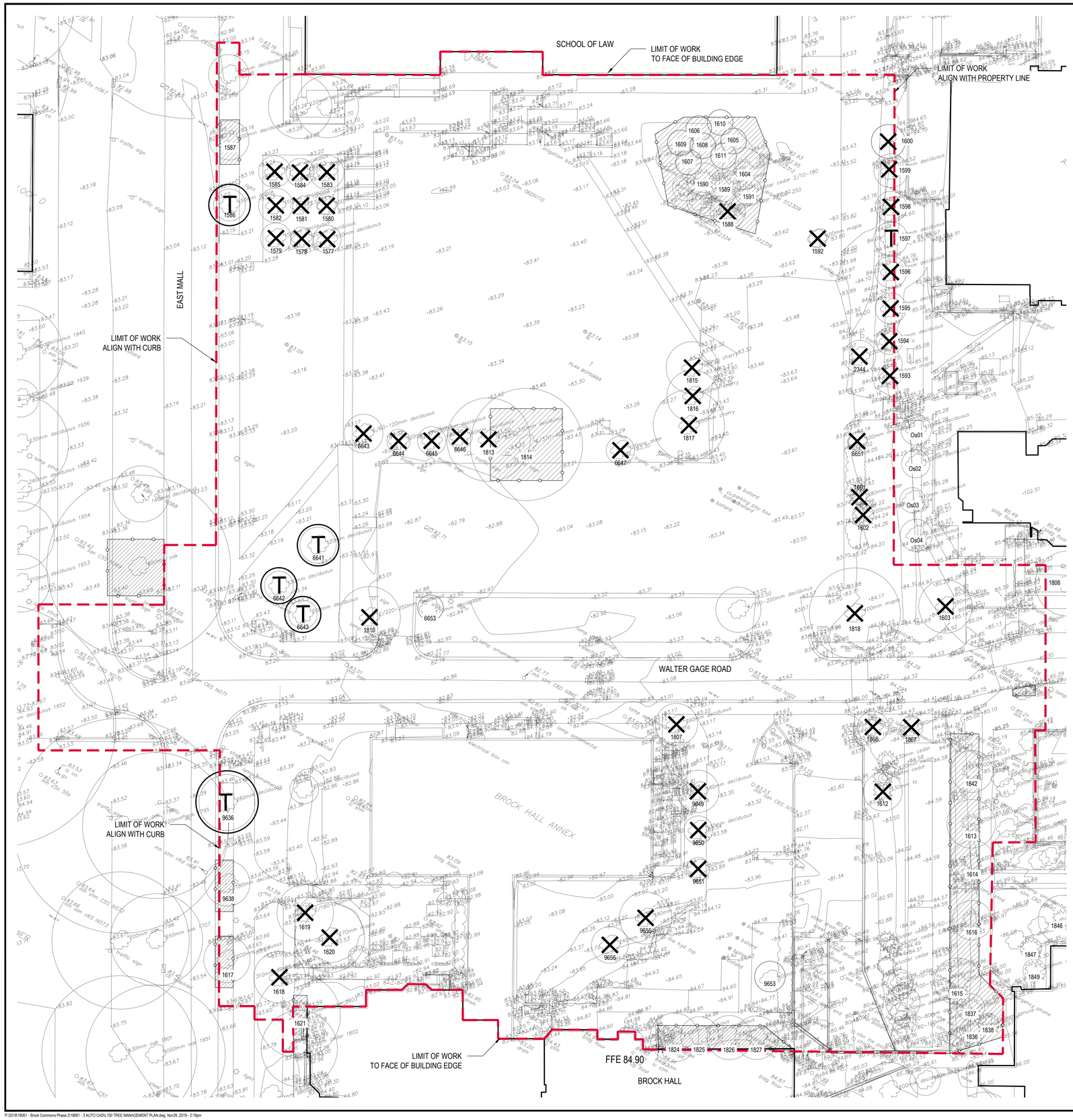
EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING AROUND EXISTING UTILITIES TO REMAIN.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING SLEEVING FOR ELECTRIC, DRAINAGE, IRRIGATION, AND UTILITIES PRIOR TO THE INSTALLATION OF COMPACTED SUB-GRADE, SUB-BASE AND PAVEMENT AS NECESSARY. SLEEVES TO BE INSTALLED AT A MINIMUM DEPTH BELOW GRADE AS PER UNIVERSITY STANDARDS.

ROADWAYS AND BUILDINGS MUST BE CAPABLE OF SUPPORTING FIRE AND EMERGENCY APPARATUS DURING CONSTRUCTION.

SEE CIVIL FOR SEDIMENTATION AND EROSION CONTROL MEASURES.

SEE CIVIL FOR UTILITY AND UNDERGROUND STORM DRAINAGE



TREE PROTECTION NOTES

1. LOCATION OF TREE PROTECTION FENCING AND LIMIT OF ACCESS FENCING TO BE VERIFIED WITH CONSULTANT AND PROJECT ARBORIST PRIOR TO INSTALLATION.
2. NO STORAGE OF BUILDING /CONSTRUCTION MATERIALS WITHIN PROTECTED AREAS OR AGAINST PROTECTION BARRIER.
3. ANY PRUNING OF BRANCHES OR ROOTS MUST BE DONE BY THE PROJECT ARBORIST.
4. CONTRACTOR TO UNDERTAKE TREE PROTECTION MEASURES TO UNIVERSITY OF BRITISH COLUMBIA STANDARDS AND PER SUSTAINABLE SITES GUIDELINES WHEN WITHIN VEGETATION AND SOIL PROTECTION ZONES.
5. HAND EXCAVATE ONLY WITHIN DRIPLINE OF TREES TO BE RETAINED. SEVER ROOTS CLEANLY. CONTACT PROJECT ARBORIST FOR APPROVAL PRIOR TO SEVERING ROOTS IN EXCESS OF 50mm DIA.
6. TREE PROTECTION FENCE IS NOT TO BE LIFTED OR REMOVED AT ANY TIME FOR VEHICULAR ACCESS. VEHICLES AND HEAVY EQUIPMENT CAN CAUSE SOIL COMPACTION IN THE ROOT ZONE DEPLETING THE AIR SPACE THAT IS ESSENTIAL TO THE TREE'S HEALTH.
7. BASED ON CONTRACTOR'S STAGING AND ACCESS REQUIREMENTS, ADDITIONAL TREE PROTECTION FENCING MAY BE REQUIRED.
8. TREES IDENTIFIED TO BE RELOCATED REQUIRE ASSESSMENT AND COORDINATION WITH THE PROJECT ARBORIST AND CAMPUS LANDSCAPE ARCHITECT. RELOCATION TO BE DETERMINED BY CAMPUS LANDSCAPE ARCHITECT.
9. ALL NUMBERED TREES IDENTIFIED BY DIAMOND HEAD CONSULTING LTD. FOR UBC BROCK COMMONS PHASE 2 TREE INVENTORY DATED JULY 29, 2019. REFER TO ARBORIST REPORT FOR TREE INFORMATION.
10. THE TREE PROTECTION ZONE SHOWN IS A GRAPHICAL REPRESENTATION OF THE CRITICAL ROOT ZONE, REFER TO THE ARBORIST REPORT FOR TREE PROTECTION REQUIREMENTS.

TREE PROTECTION LEGEND

EXISTING TREE TO BE REMOVED
(REFER TO ARBORIST REPORT)

TREE PROTECTION FENCE - APPROXIMATE LOCATION
(REFER TO ARBORIST REPORT)

EXISTING TREE TO BE RETAINED AND PROTECTED
(REFER TO ARBORIST REPORT)

EXISTING TREE TO BE TRANSPLANTED
(REFER TO ARBORIST REPORT)

LEGEND

LIMIT OF WORK

CLIENT:

UBC PROPERTIES TRUST

PROJECT TEAM:

LANDSCAPE ARCHITECT
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TEL | 604.661.4144

ISSUANCE:

No.	Date	Details	By
1	2019.11.26	ISSUED FOR DEVELOPMENT PERMIT	DD

NORTH:

N

PROJECT NORTH TRUE NORTH

PFS STUDIO
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STAMP:

NOT FOR CONSTRUCTION

PROJECT NAME:
BROCK COMMONS PHASE II
PUBLIC REALM

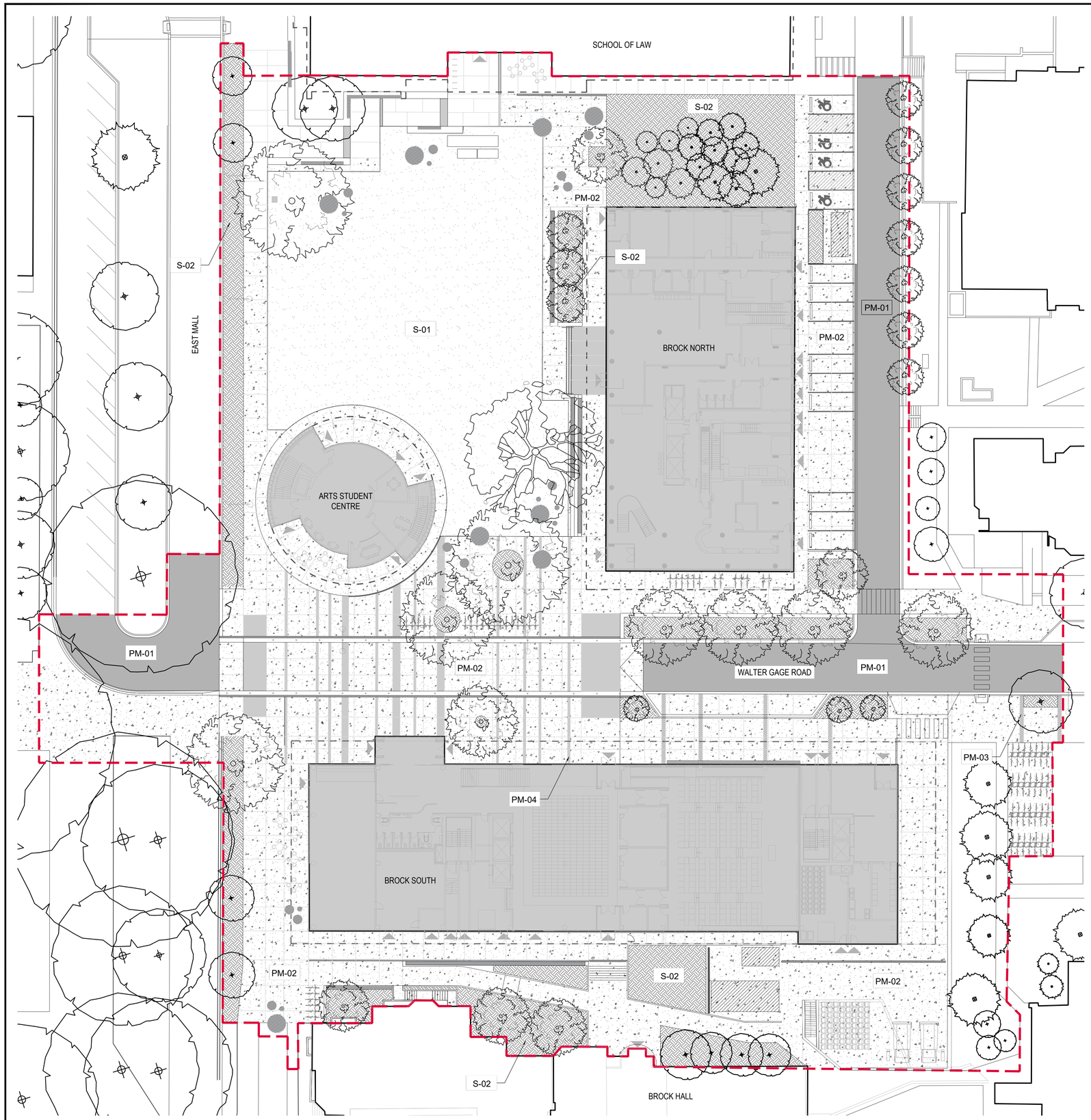
DRAWING TITLE:
TREE MANAGEMENT PLAN

PFS PROJECT NUMBER: 18061
DATE: 2019/11/26

DRAWN BY: DD
CHECKED BY:

SCALE: 1:250

DWG. NO.: L100



MATERIAL NOTES

1. MATERIAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH SPECIFICATIONS.

MATERIALS LEGEND

PM-01	PAVING TYPE 1 ASPHALT - SEE CIVIL
PM-02	PAVING TYPE 1A CIP CONCRETE - PEDESTRIAN / VEHICULAR (SEE CIVIL) DTL 1/L700
PM-03	PAVING TYPE 1B COLORED CONCRETE BANDS AS SPECIFIED DTL 1/L700
PM-04	PAVING TYPE 3 BASALT STONE PAVING BANDS MORTARED ON CONCRETE BASE DTL 4/L700
S-01	SOIL PROFILE A SODDED LAWN DTL 3/L 704
S-02	SOIL PROFILE B PLANTING BEDS DTL 3/L704

LEGEND

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DRAWING TITLE:

MATERIALS PLAN

PFS PROJECT NUMBER: 18061

DATE: 2019/11/26

DRAWN BY: DD

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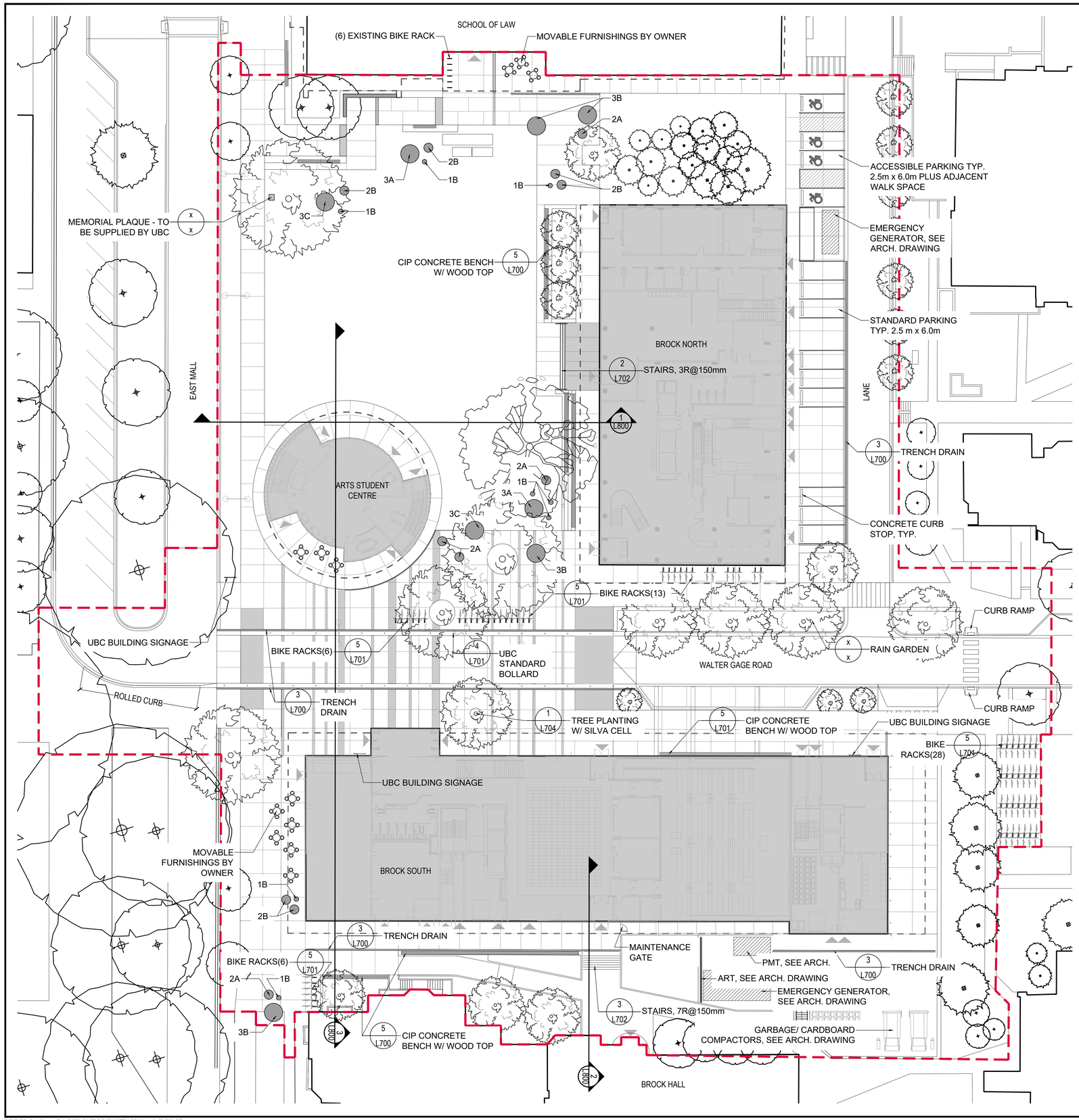
SCALE: 1:250

DWG. NO.: L200



BENCH INDEX (REFER TO L703 DETAILS)

1A - L703 DETAILS	A=300mm HEIGHT
1B - L703 DETAILS	B=455mm HEIGHT
1C - L703 DETAILS	C=600mm HEIGHT
2A - L703 DETAILS	
2B - L703 DETAILS	
2C - L703 DETAILS	
3A - L703 DETAILS	
3B - L703 DETAILS	
3C - L703 DETAILS	

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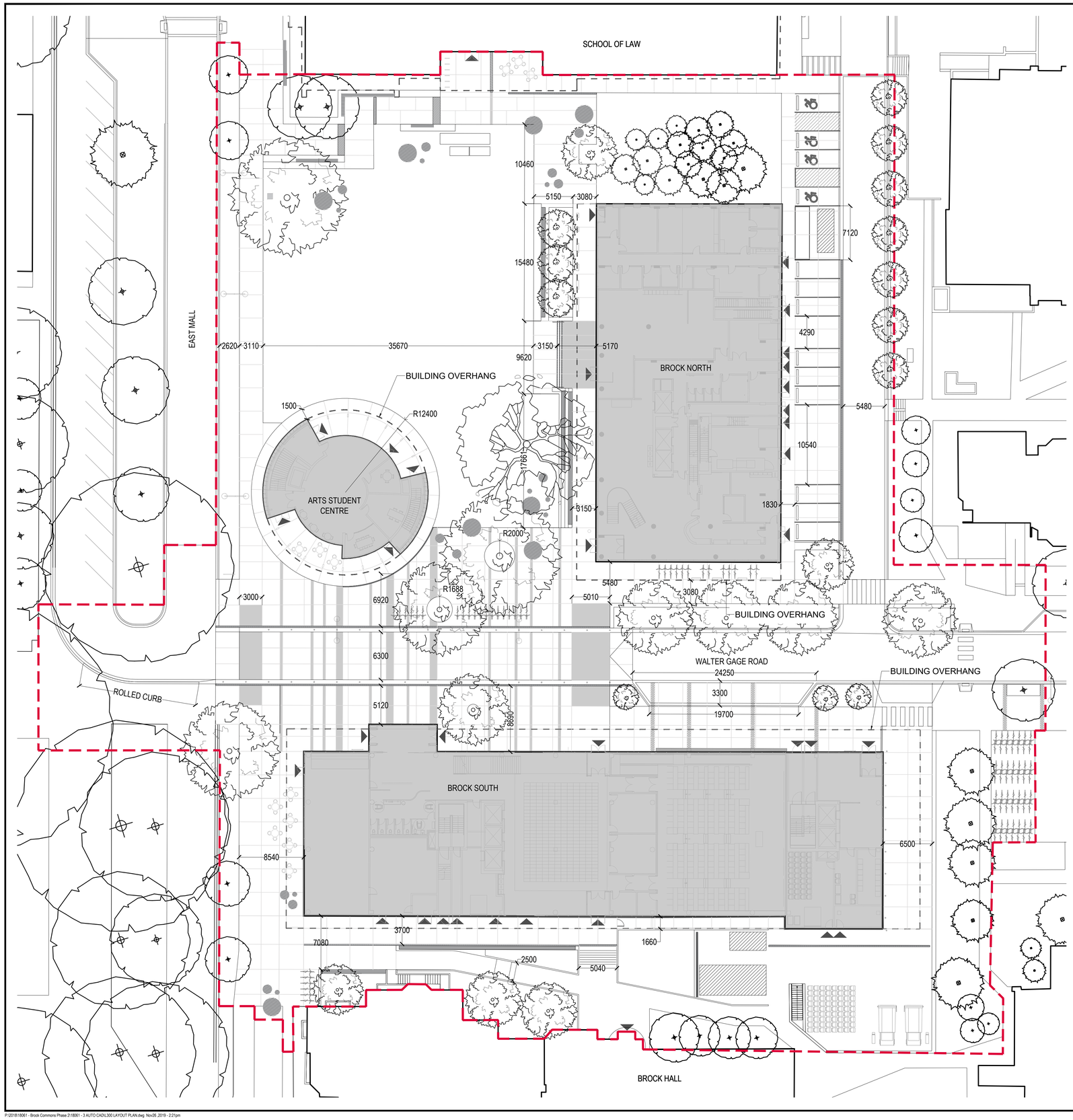
PFS PROJECT NUMBER:	DATE:
18061	2019/11/26
DRAWN BY: DD	CHECKED BY:

SCALE:
1:250

DWG. NO.:

L201



LAYOUT NOTES

1. DO NOT SCALE DRAWINGS. LAYOUT AS PER DIMENSIONS NOTED ON LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE CONSULTANT FOR REVIEW AND RESPONSE.
2. LAYOUT AND MATERIALS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH LANDSCAPE SPECIFICATIONS FOR COMPLIANCE.
3. LANDSCAPE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND ENGINEERING DRAWINGS. REPORT ANY DISCREPANCIES TO THE CONSULTANT FOR REVIEW AND RESPONSE.
4. VERIFY ALL DIMENSIONS WITH FIELD CONDITIONS. REPORT ANY DISCREPANCIES TO THE CONSULTANT FOR REVIEW AND RESPONSE.
5. UTILITY AND LIGHTING ARE INDICATED FOR REFERENCE ONLY. REFER TO ENG. DRAWINGS FOR LOCATIONS, DETAILS, AND SPECIFICATIONS.
6. REFER TO ENGINEERING DRAWINGS FOR DETAILS, SUBGRADE, AND REINFORCING OF ALL PAVED SURFACES IN ROADWAYS.
7. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE INDICATED.
8. ALL DIMENSIONS LABELED "EQ" ARE TO INDICATE EQUAL MEASUREMENTS BETWEEN THE DIMENSIONS END POINTS ON THE DRAWING.
9. THE CONTRACTOR SHALL STAKE THE LAYOUT AND ALIGNMENT OF ALL PAVEMENTS, WALLS, AND OTHER SITE FEATURES IN THE FIELD FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO START OF CONSTRUCTION.
10. THE CONTRACTOR SHALL PROVIDE SMOOTH LAYOUT ALIGNMENTS BETWEEN EXISTING CONDITIONS AND PROPOSED SITE IMPROVEMENTS.
11. UNLESS OTHERWISE NOTED, CONCRETE SCORE AND EXPANSION JOINTS SHALL BE ALIGNED WITH BUILDING FEATURES AND WITH CORNERS OF PAVEMENT. SPACE ADDITIONAL JOINTS BETWEEN THESE POINTS EQUALLY.

LEGEND

LIMIT OF WORK

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BROCK COMMONS PHASE II
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DRAWING TITLE:
LAYOUT PLAN

PFS PROJECT NUMBER: 18061

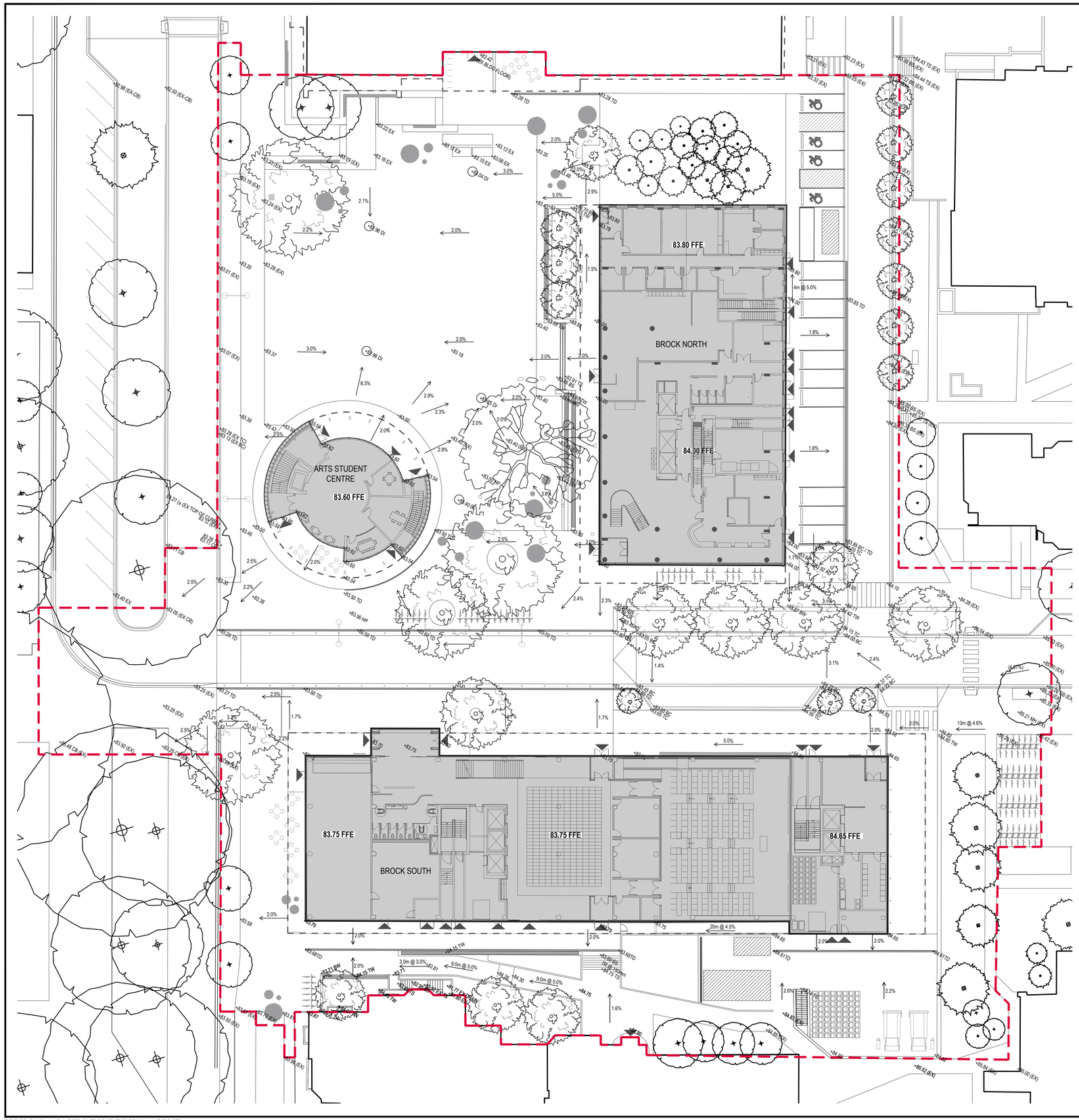
DATE: 2019/11/18

DRAWN BY: DD

CHECKED BY:

SCALE: 1:250

DWG. NO.: L300



GRADING NOTES

1. REFER TO SURVEY PLAN FOR EXISTING ELEVATIONS.
2. ALL SPOT ELEVATIONS IN METRIC METER MEASUREMENT UNITS UNLESS OTHERWISE INDICATED.
3. REFER TO CIVIL DRAWINGS FOR ALL SUBSURFACE DRAINAGE
4. ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND TO STORM DRAINS.
5. UTILITY LIDS/COVERS TO BE PROTECTED DURING DEMOLITION, ADJUSTED TO FINAL GRADE AND BE AI FOR FUTURE MAINTENANCE ACCESS. REFER TO CIVIL.

GRADING LEGEND

HP	HIGH POINT
LP	LOW POINT
TS	TOP OF STAIR
BS	BOTTOM OF STAIR
TW	TOP OF WALL
BW	BOTTOM OF WALL
TB	TOP OF BENCH
TC	TOP OF CURB
BC	BOTTOM OF CURB
TD	TRENCH DRAIN
AD	AREA DRAIN
CB	CATCH BASIN - SEE CIVIL
AD	AREA DRAIN
(EX)	EXISTING ELEVATION
2.0%	SLOPE

LEGEND

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GRADING PLAN

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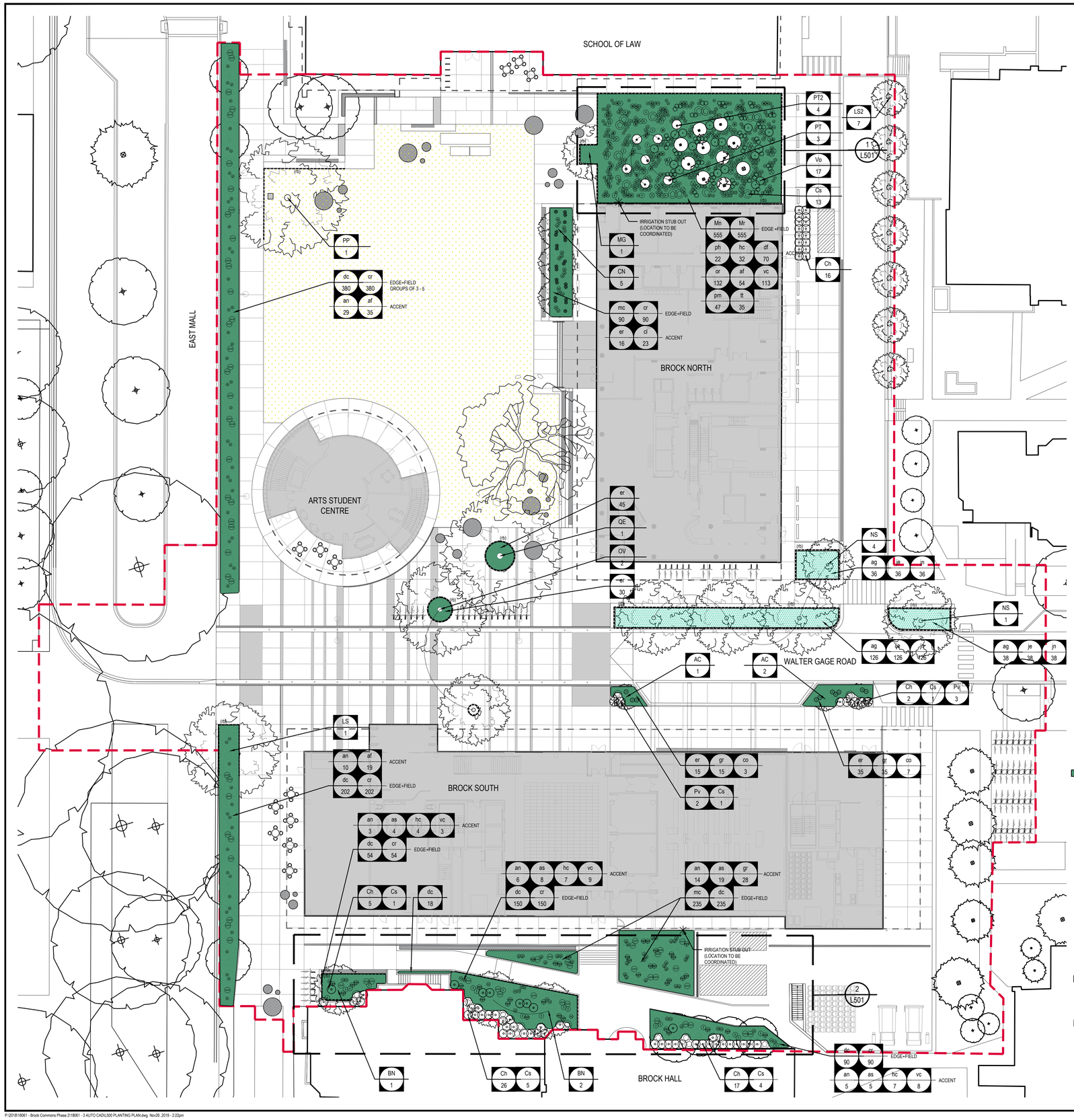
SCALE: 1:250

DWG. NO.: L400



PLANTING NOTES

1. ALL NEW TREES TO BE PLANTED A MINIMUM OF 1M AWAY FROM UTILITIES (FROM EDGE OF ROOTBALL).
2. ANY LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE RAKED AND RE-SEEDED POST CONSTRUCTION ACTIVITIES.
3. ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARD SPECIFIED IN THE CURRENT EDITION OF THE CANADIAN NURSERY STOCK STANDARD (CNSS) AND PER PROJECT SPECIFICATIONS.
4. SEARCH AREA FOR ALL PLANT MATERIAL MUST OCCUR WITHIN 402KM OF PROJECT SITE.
5. PLANT MATERIAL SIZES SPECIFIED ARE THE MINIMUM ACCEPTABLE SIZES TO BE SUPPLIED TO THIS PROJECT.
6. ALL PLANT MATERIAL SHALL BE WELL-ESTABLISHED AND UNIFORM IN SHAPE AND SIZE.
7. ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED. ONLY CERTIFIED S.O.D. NURSERY STOCK WILL BE ACCEPTED.
8. THE CONTRACTOR SHALL PROVIDE A GROWING MEDIUM ANALYSIS FOR REVIEW BY THE CONSULTANT - AS PER SPECIFICATIONS - PRIOR TO THE START OF CONSTRUCTION. GROWING MEDIUM SUPPLIED TO THE SITE OR INSTALLED ON SITE PRIOR TO CONSULTANT APPROVAL SHALL BE REJECTED AT NO COST TO THE OWNER.
9. THE CONTRACTOR SHALL CONFIRM PLANT QUANTITIES ON THE DRAWINGS CORRESPOND TO THOSE INDICATED ON THE PLANT LIST. ANY DISCREPANCIES ARE TO BE VERIFIED BY THE CONSULTANT FOR REVIEW AND RESPONSE.
10. PLANT LIST TO BE READ IN CONJUNCTION WITH SPECIFICATIONS FOR COMPLIANCE.
11. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF THE PLANT MATERIAL SPECIFIED AS PER SPECIFICATIONS, ALLOWING FOR ANY AND ALL REQUIRED APPROVALS. PLANT SUBSTITUTIONS NOT CONFIRMED AND APPROVED BY THE CONSULTANT WILL BE REJECTED.
12. FINAL LOCATIONS OF PLANT MATERIAL TO BE CONFIRMED ON SITE BY CONSULTANT BEFORE INSTALLATION.
13. ALL PLANTING AREAS SHALL BE WATERED WITH AN IN-GROUND AUTOMATIC IRRIGATION SYSTEM
14. PROVIDE ADEQUATE SUB-SURFACE DRAINAGE IN ALL PLANTED AREAS.
15. ENSURE POSITIVE DRAINAGE

LEGEND - PERTAINS TO ALL PLANTING SHEETS

- EXISTING CONIFER TO REMAIN
- EXISTING DECIDUOUS TO REMAIN
- PROPOSED TREE
- ROOT BARRIER - REFER TO DETAIL XX
- PLANTING PLAN ENLARGEMENT AREAS
- XX / Qty. — PLANT SPECIES/QUANTITY
- IRRIGATION STUB OUT LOCATION TO BE CONFIRMED

MASTER PLANTING SCHEDULE

SYM	QTY.	BOTANICAL NAME	COMMON NAME	SPACING / SIZE / DESCRIPTION
TREES				
3	AC	Acer circinatum	Vine Maple	As Shown / 50mm cal., Multistem (3 stems), B&B
3	BN	Betula nigra 'BNMTF'	Dura Heat River Birch	As Shown / 90mm cal., Multistem (3 stems), B&B
5	CN	Cornus nuttallii	Pacific Dogwood	As Shown / 70mm cal., min. 3.5m ht std., B&B
1	LS	Liquidambar styraciflua 'Worplesdon'	Worplesdon Sweetgum	As Shown / 90mm cal., B&B, Full
7	LS2	Liquidambar styraciflua 'Worplesdon'	Worplesdon Sweetgum	As Shown / 60mm cal., B&B, Full, Matching Form
5	NS	Nyssa sylvatica	Black Tupelo	As Shown / 100mm cal., B&B, Full, Matching Form
2	OV	Ostrya virginiana	American Hophornbeam	As Shown / 70mm cal., B&B, Full
1	MG	Magnolia grandiflora 'Little Gem	Little Gem Southern Magnolia	As Shown / 90mm cal., B&B, Full
1	PP	Pinus Ponderosa	Ponderosa Pine	As Shown / 5m ht., B&B
3	PT	Pseudotsuga menziesii	Douglas Fir	As Shown / 4m ht., B&B, Full, Matching Form
4	PT2	Pseudotsuga menziesii	Douglas Fir	As Shown / 2.5m ht., B&B, Full, Matching Form
1	QE	Quercus ellipsoidalis	Pin Oak	As Shown / 120mm cal., B&B
SHRUBS				
66	Ch	Cephalotaxus harringtonia 'Prostrata'	Spreading Plum Yew	As Shown/900mm o.c. / #3 Pot
5	Pv	Prunus lauraceras 'Mount Veron'	Mount Vernon Laurel	As Shown/900mm o.c. / #3 Pot
25	Cs	Cornus sericea 'Kelseyi'	Kelsey Red osier Dogwood	As Shown/900mm o.c. / #2 Pot
17	Vo	Vaccinium ovatum	Evergreen Huckleberry	As Shown/600mm o.c. / #2 Pot
GROUNDCOVER / PERENNIALS				
36	as	Anemone x hybrida 'Serenade'	Serenade Anemone	450mm o.c. / #2 Pot
67	an	Aster novae-angliae 'Purple Dome	Purple Dome Aster	As Shown/600mm o.c. / #2 Pot
108	af	Aquilegia formosa	Western Red columbine	450mm o.c. / #2 Pot
10	co	Carex oshimensis 'Everlime'	Everlime Variegated Sedge	As Shown/600mm o.c. / #2 Pot
23	cl	Camassia leichtlinii	Great Camas	As Shown/225mm o.c. / #1 Pot
966	cr	Carex radiata	Eastern star sedge	450mm o.c. / #2 Pot
1129	dc	Deschampsia cespitosa	Tufted hairgrass	450mm o.c. / #2 Pot
70	df	Dicentra formosa	Pacific Bleeding Heart	As Shown/450mm o.c. / #2 Pot
141	er	Epimedium x rubrum	Red barrenwort	450mm o.c. / #2 Pot
78	gr	Geranium x 'Rozanne'	Rozanne Cranesbill	450mm o.c. / #2 Pot
50	hc	Heuchera cylindrica	Roundleaf Alumroot	As Shown/450mm o.c. / #2 Pot
325	mc	Molinia caerulea 'Moorhexe'	Purple Moor Grass	450mm o.c. / #2 Pot
555	Mr	Mahonia repens	Creeping Oregon Grape	450mm o.c. / #2 Pot
555	Mn	Mahonia nervosa	Dull Oregon Grape	450mm o.c. / #2 Pot
132	or	Oxalis oregana	Redwood Sorrel	225mm o.c. / #1 Pot
47	pm	Polystichum munitum	Sword fern	As Shown/450mm o.c. / #2 Pot
22	ph	Prosartes hookeri	Hooker's fairybells	As Shown/450mm o.c. / #1 Pot
35	tt	Tiarella trifoliata	Foamflower	As Shown/450mm o.c. / #1 Pot
133	vc	Vancouveria chrysantha	Siskiyou Inside-out-Flower	450mm o.c. / #2 Pot
BIOSWALE PLANTING				
200	ag	Acorus gramineus	Japanese Sweet Flag (green)	450mm o.c. / #2 Pot
200	je	Juncus effusus	Soft Rush	450mm o.c. / #2 Pot
200	jn	Juncus ensifolius	Dagger Leaf Rush	450mm o.c. / #2 Pot
SOD				

PLANTING NOTES:

1. "ACCENT" SPECIES TO BE PLANTED AS SHOWN.
2. "FIELD + EDGE" SPECIES TO BE PLANTED IN GROUPS OF THREE (3) TO FIVE (5) OF EACH SPECIES ALONG EDGES OF PLANTING AREAS AND THROUGHOUT THE PLANTING AREA HATCH.
3. PRIOR TO INSTALLATION OF PLANT MATERIAL, PLANTS MUST BE PLACED AND LANDSCAPE ARCHITECT CALLED TO SITE TO REVIEW AND APPROVE LAYOUT, CONSULTANT MAY PROVIDE DIRECTIONS FOR LAYOUT MODIFICATIONS UPON REVIEW.

CLIENT:

UBC PROPERTIES TRUST

PROJECT TEAM:

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DRAWING TITLE:
PLANTING PLAN
OVERALL

PFS PROJECT NUMBER: 18061

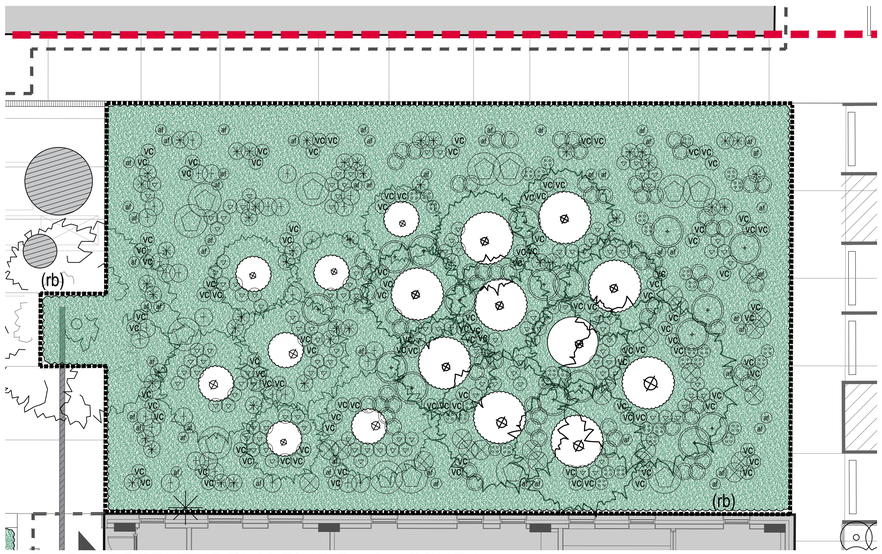
DATE: 2019/11/26

DRAWN BY: JW

CHECKED BY: DD

SCALE: 1:250

DWG. NO.: L500



1 ENLARGEMENT PLANTING PLAN - SOUTH
SCALE: 1:100

MASTER PLANTING SCHEDULE

SYM	QTY.	BOTANICAL NAME	COMMON NAME	SPACING / SIZE / DESCRIPTION
TREES				
3	AC	Acer circinatum	Vine Maple	As Shown / 50mm cal., Multistem (3 stems), B&B
3	BN	Betula nigra 'BNMTF'	Dura Heat River Birch	As Shown / 90mm cal., Multistem (3 stems), B&B
5	CN	Cornus nuttallii	Pacific Dogwood	As Shown / 70mm cal., min. 3.5m ht std., B&B
1	LS	Liquidambar styraciflua 'Worplesdon'	Worplesdon Sweetgum	As Shown / 90mm cal., B&B, Full
7	LS2	Liquidambar styraciflua 'Worplesdon'	Worplesdon Sweetgum	As Shown / 60mm cal., B&B, Full, Matching Form
5	NS	Nyssa sylvatica	Black Tupelo	As Shown / 100mm cal., B&B, Full, Matching Form
2	OV	Ostrya virginiana	American Hophornbeam	As Shown / 70mm cal., B&B, Full
1	MG	Magnolia grandiflora 'Little Gem	Little Gem Southern Magnolia	As Shown / 90mm cal., B&B, Full
1	PP	Pinus Ponderosa	Ponderosa Pine	As Shown / 5m ht., B&B
3	PT	Pseudotsuga menziesii	Douglas Fir	As Shown / 4m ht., B&B, Full, Matching Form
4	PT2	Pseudotsuga menziesii	Douglas Fir	As Shown / 2.5m ht., B&B, Full, Matching Form
1	QE	Quercus ellipsoidalis	Pin Oak	As Shown / 120mm cal., B&B
SHRUBS				
66	Ch	Cephalotaxus harringtonia 'Prostrata'	Spreading Plum Yew	As Shown/900mm o.c. / #3 Pot
5	Pv	Prunus lauraceras 'Mount Veron'	Mount Vernon Laurel	As Shown/900mm o.c. / #3 Pot
25	Cs	Cornus sericea 'Kelseyi'	Kelsey Red osier Dogwood	As Shown/900mm o.c. / #2 Pot
17	Vo	Vaccinium ovatum	Evergreen Huckleberry	As Shown/600mm o.c. / #2 Pot
GROUNDCOVER / PERENNIALS				
36	as	Anemone x hybrida 'Serenade'	Serenade Anemone	450mm o.c. / #2 Pot
67	an	Aster novae-angliae 'Purple Dome	Purple Dome Aster	As Shown/600mm o.c. / #2 Pot
108	af	Aquilegia formosa	Western Red columbine	450mm o.c. / #2 Pot
10	co	Carex oshimensis 'Everlime'	Everlime Variegated Sedge	As Shown/600mm o.c. / #2 Pot
23	cl	Camassia leichtlinii	Great Camas	As Shown/225mm o.c. / #1 Pot
966	cr	Carex radiata	Eastern star sedge	450mm o.c. / #2 Pot
1129	dc	Deschampsia cespitosa	Tufted hairgrass	450mm o.c. / #2 Pot
70	df	Dicentra formosa	Pacific Bleeding Heart	As Shown/450mm o.c. / #2 Pot
141	er	Epimedium x rubrum	Red barrenwort	450mm o.c. / #2 Pot
78	gr	Geranium x 'Rozanne'	Rozanne Cranesbill	450mm o.c. / #2 Pot
50	hc	Heuchera cylindrica	Roundleaf Alumroot	As Shown/450mm o.c. / #2 Pot
325	mc	Molinia caerulea 'Moorhexe'	Purple Moor Grass	450mm o.c. / #2 Pot
555	Mr	Mahonia repens	Creeping Oregon Grape	450mm o.c. / #2 Pot
555	Mn	Mahonia nervosa	Dull Oregon Grape	450mm o.c. / #2 Pot
132	or	Oxalis oregana	Redwood Sorrel	225mm o.c. / #1 Pot
47	pm	Polystichum munitum	Sword fern	As Shown/450mm o.c. / #2 Pot
22	ph	Prosartes hookeri	Hooker's fairybells	As Shown/450mm o.c. / #1 Pot
35	tt	Tiarella trifoliata	Foamflower	As Shown/450mm o.c. / #1 Pot
133	vc	Vancouveria chrysantha	Siskiyou Inside-out-Flower	450mm o.c. / #2 Pot
BIOSWALE PLANTING				
200	ag	Acorus gramineus	Japanese Sweet Flag (green)	450mm o.c. / #2 Pot
200	je	Juncus effusus	Soft Rush	450mm o.c. / #2 Pot
200	jn	Juncus ensifolius	Dagger Leaf Rush	450mm o.c. / #2 Pot
SOD				

PLANTING NOTES:
1. "ACCENT" SPECIES TO BE PLANTED AS SHOWN.
2. "FIELD + EDGE" SPECIES TO BE PLANTED IN GROUPS OF THREE (3) TO FIVE (5) OF EACH SPECIES ALONG EDGES OF PLANTING AREAS AND THROUGHOUT THE PLANTING AREA HATCH.
3. PRIOR TO INSTALLATION OF PLANT MATERIAL: PLANTS MUST BE PLACED AND LANDSCAPE ARCHITECT CALLED TO SITE TO REVIEW AND APPROVE LAYOUT, CONSULTANT MAY PROVIDE DIRECTIONS FOR LAYOUT MODIFICATIONS UPON REVIEW.

PLANTING NOTES

1. ALL NEW TREES TO BE PLANTED A MINIMUM OF 1M AWAY FROM UTILITIES (FROM EDGE OF ROOTBALL).
2. ANY LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE RAKED AND RE-SEEDED POST CONSTRUCTION ACTIVITIES.
3. ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARD SPECIFIED IN THE CURRENT EDITION OF THE CANADIAN NURSERY STOCK STANDARD (CNSS) AND PER PROJECT SPECIFICATIONS.
4. SEARCH AREA FOR ALL PLANT MATERIAL MUST OCCUR WITHIN 402KM OF PROJECT SITE.
5. PLANT MATERIAL SIZES SPECIFIED ARE THE MINIMUM ACCEPTABLE SIZES TO BE SUPPLIED TO THIS PROJECT.
6. ALL PLANT MATERIAL SHALL BE WELL-ESTABLISHED AND UNIFORM IN SHAPE AND SIZE.
7. ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED. ONLY CERTIFIED S.O.D. NURSERY STOCK WILL BE ACCEPTED.
8. THE CONTRACTOR SHALL PROVIDE A GROWING MEDIUM ANALYSIS FOR REVIEW BY THE CONSULTANT - AS PER SPECIFICATIONS - PRIOR TO THE START OF CONSTRUCTION. GROWING MEDIUM SUPPLIED TO THE SITE OR INSTALLED ON SITE PRIOR TO CONSULTANT APPROVAL SHALL BE REJECTED AT NO COST TO THE OWNER.
9. THE CONTRACTOR SHALL CONFIRM PLANT QUANTITIES ON THE DRAWINGS CORRESPOND TO THOSE INDICATED ON THE PLANT LIST. ANY DISCREPANCIES ARE TO BE VERIFIED BY THE CONSULTANT FOR REVIEW AND RESPONSE.
10. PLANT LIST TO BE READ IN CONJUNCTION WITH SPECIFICATIONS FOR COMPLIANCE.
11. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF THE PLANT MATERIAL SPECIFIED AS PER SPECIFICATIONS, ALLOWING FOR ANY AND ALL REQUIRED APPROVALS. PLANT SUBSTITUTIONS NOT CONFIRMED AND APPROVED BY THE CONSULTANT WILL BE REJECTED.
12. FINAL LOCATIONS OF PLANT MATERIAL TO BE CONFIRMED ON SITE BY CONSULTANT BEFORE INSTALLATION.
13. ALL PLANTING AREAS SHALL BE WATERED WITH AN IN-GROUND AUTOMATIC IRRIGATION SYSTEM
14. PROVIDE ADEQUATE SUB-SURFACE DRAINAGE IN ALL PLANTED AREAS.
15. ENSURE POSITIVE DRAINAGE

LEGEND - PERTAINS TO ALL PLANTING SHEETS

EXISTING CONIFER TO REMAIN

EXISTING DECIDUOUS TO REMAIN

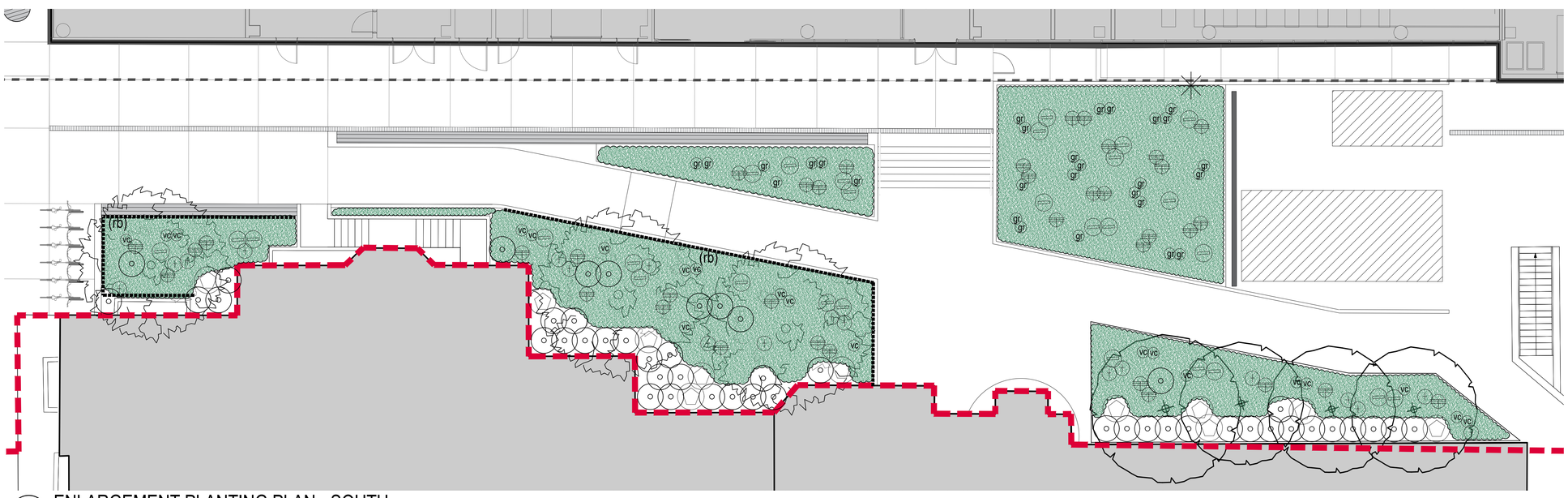
PROPOSED TREE

ROOT BARRIER
- REFER TO DETAIL XX

PLANTING PLAN ENLARGEMENT AREAS

XX Qty. PLANT SPECIES/QUANTITY

IRRIGATION STUB OUT
LOCATION TO BE CONFIRMED



2 ENLARGEMENT PLANTING PLAN - SOUTH
SCALE: 1:100

CLIENT:

UBC PROPERTIES TRUST

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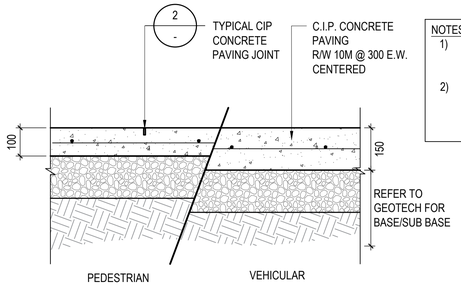
PROJECT NAME:
BROCK COMMONS PHASE II
PUBLIC REALM

DRAWING TITLE:
PLANTING PLAN
ENLARGEMENTS

PFS PROJECT NUMBER: 18061
DATE: 2019/11/19
DRAWN BY: JW
CHECKED BY: DD
SCALE: 1:100

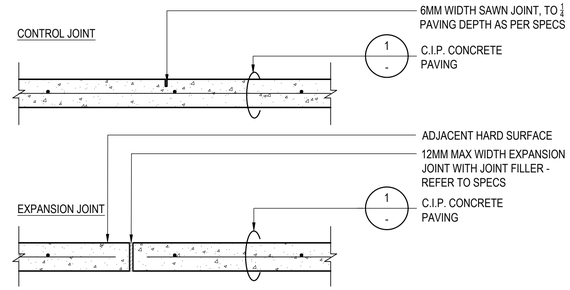
DWG. NO.:
L501



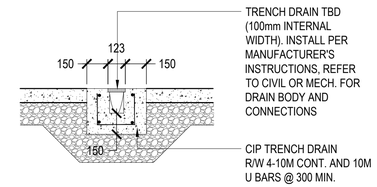
NOTES:
1) CONCRETE FINISH TO BE LIGHT-MEDIUM BROOM WITH SAWCUTS.
2) WHERE CONCRETE IS OVER STRUCTURE - VOID FORM MAY BE REQUIRED. REFER TO SLAB ELEVATIONS.

1 - CIP CONCRETE PAVING
SCALE: 1:10

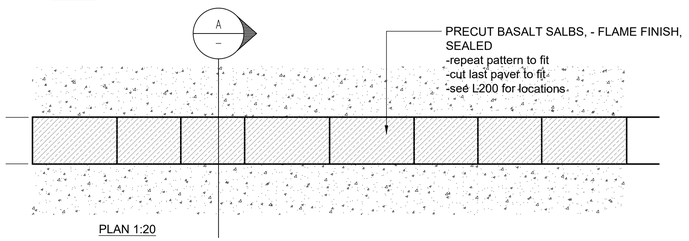
NOTE:CONTROL JOINTS MUST BE SAWN WITHIN 12 HRS OF CONCRETE BEING POURED

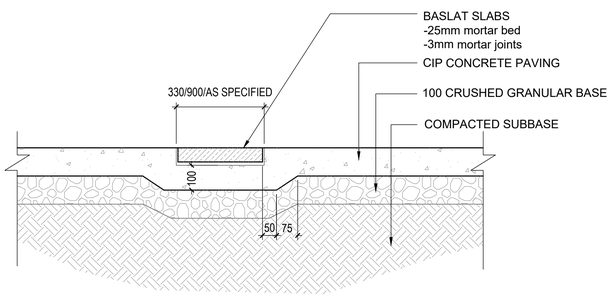


2 - TYPICAL CIP CONCRETE PAVING JOINTS
SCALE: 1:10



3 - TRENCH DRAIN
SCALE: 1:20

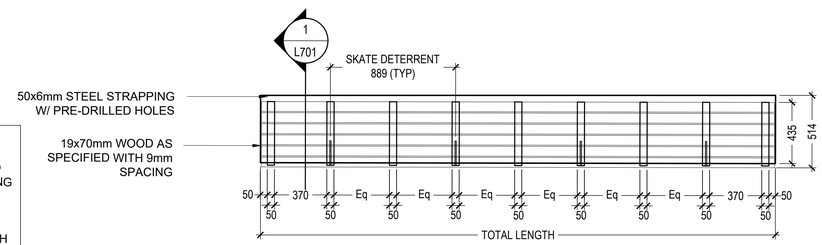




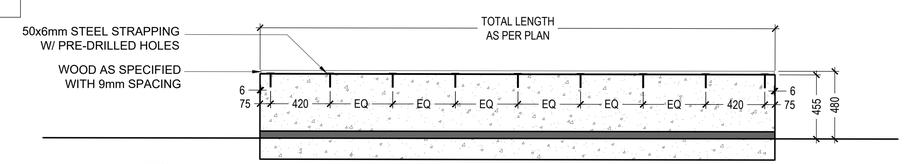
SECTION A 1:10

4 - BASALT PAVERS
SCALE: AS SHOWN

NOTES:
1. PROVIDE SHOP DRAWINGS OF WOOD TOP CIP CONCRETE BENCH INCLUDING CONNECTIONS TO CIP CONCRETE FOOTING FOR REVIEW PRIOR TO FABRICATION
2. BENCH LOCATOIN AND TOTAL LENGTH REFER TO LAYOUT PLAN.
3. PROVIDE NUMBER OF SKATE DETERRENTS ACCORDING TO THE DIMENSION AND LENGTH SHOWN IN THIS DRAWING AND THE LAYOUT PLAN.

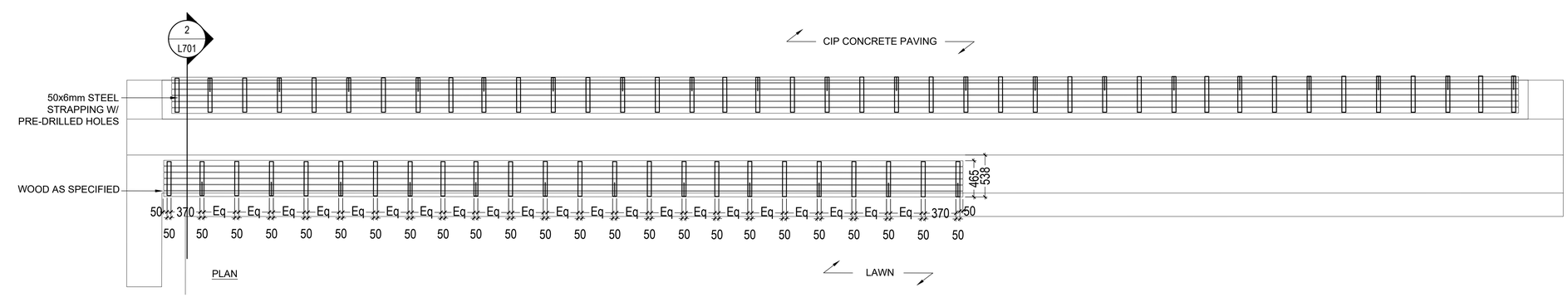


PLAN



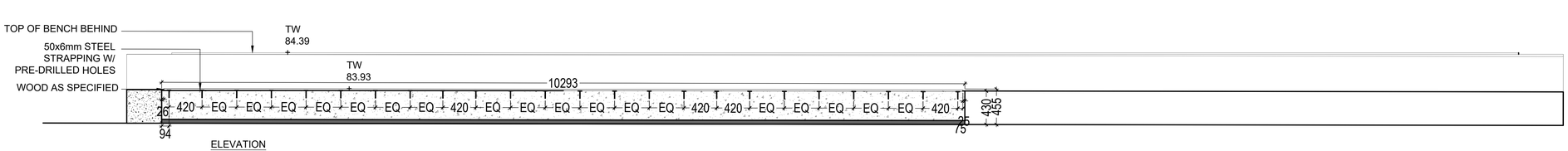
ELEVATION

5 - CIP CONCRETE BENCH WITH WOOD TOP SEATING
SCALE: 1:20



PLAN

LAWN



ELEVATION

6 - CIP CONCRETE TERRACE WALL WITH WOOD TOP BENCH SEATING
SCALE: 1:30

CLIENT:

UBC PROPERTIES TRUST

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18061	2019/11/26
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SCALE:
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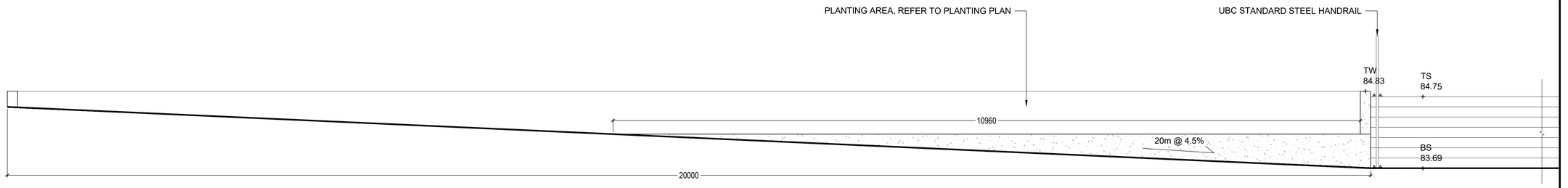
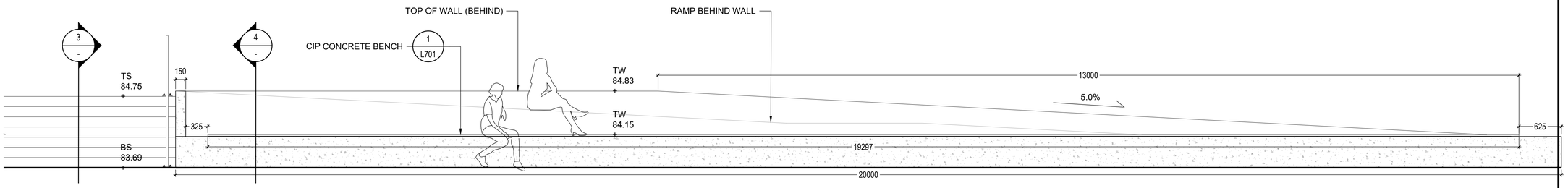
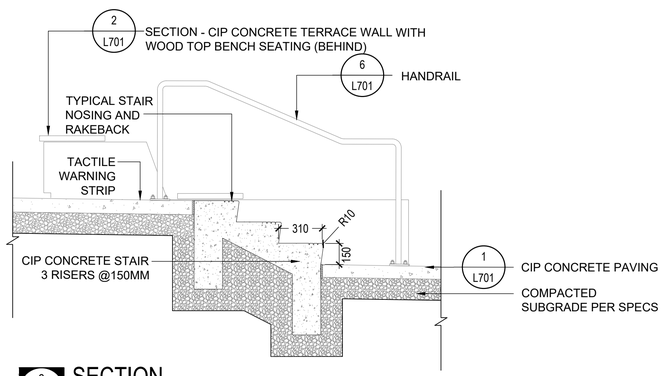
L700





1 - ELEVATION
SCALE: 1:30



2 - SECTION
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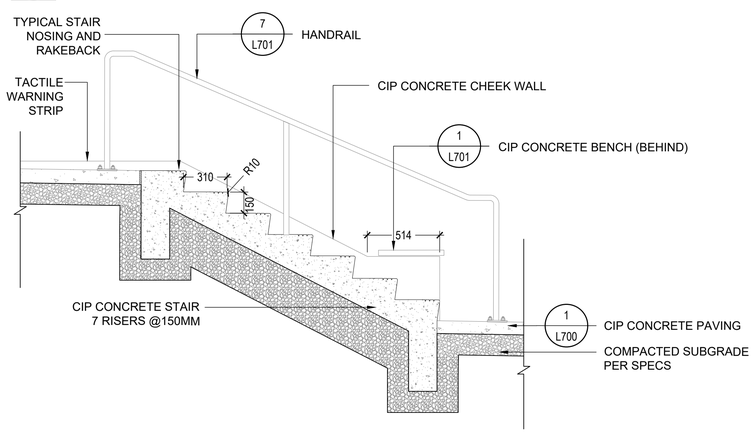
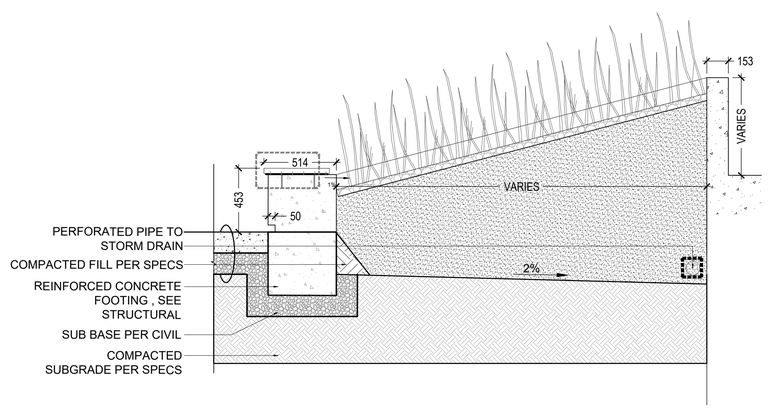


3 - SECTION
SCALE: 1:20



4 - SECTION
SCALE: 1:20

CLIENT:

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DATE: 2019/11/26

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SCALE: AS SHOWN

DWG. NO.:
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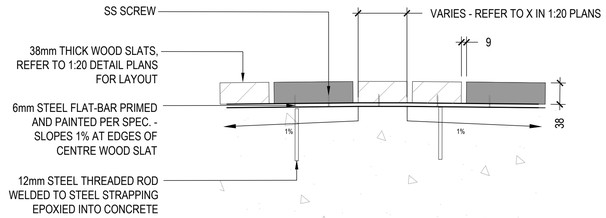
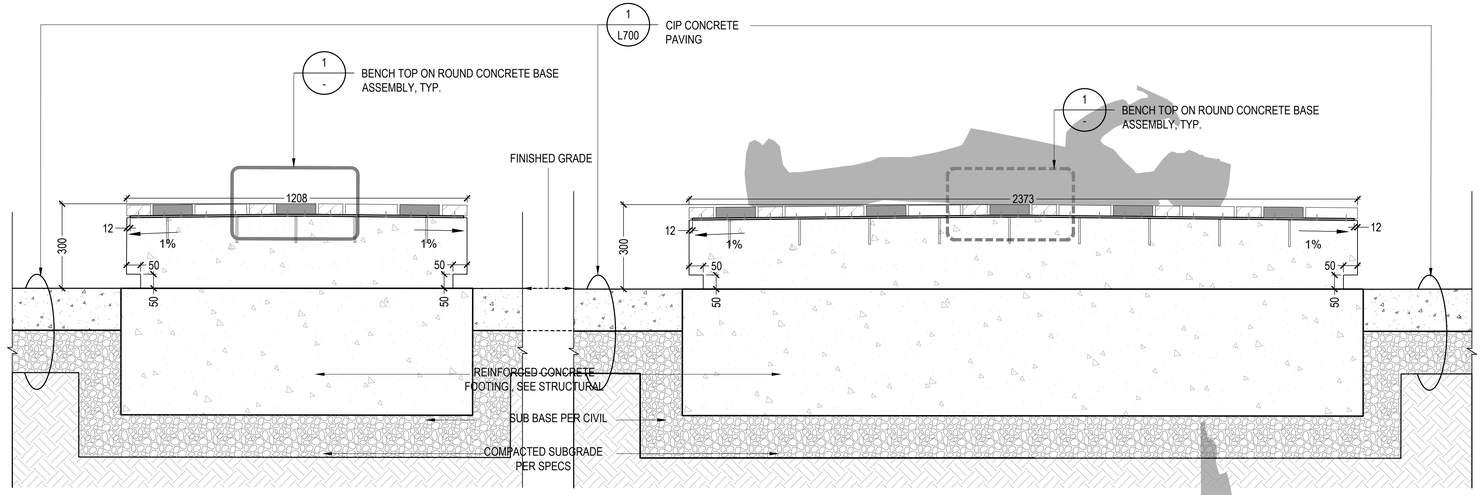


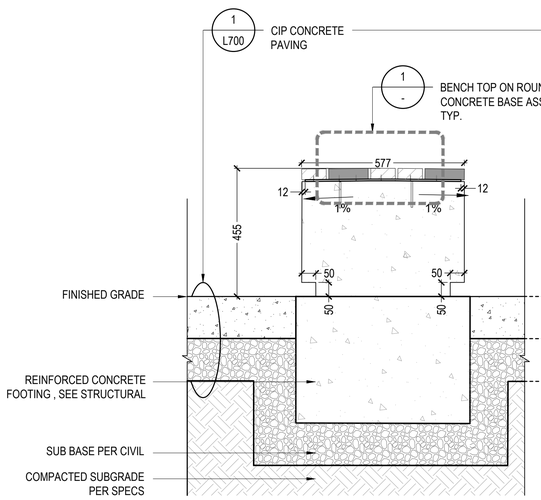
1 / - BENCH TOP ON ROUND CONCRETE BASE ASSEMBLY

SCALE: 1:5

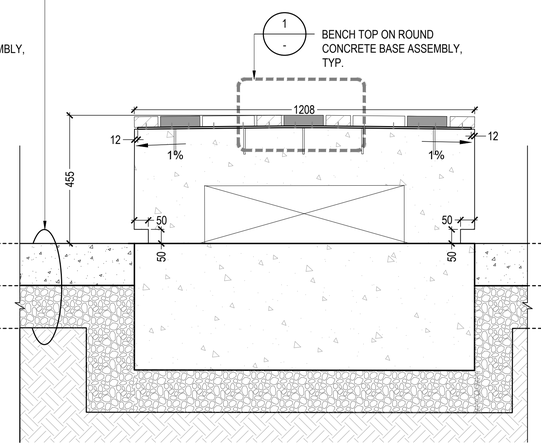


CIRCLE PLATFORM TYPE 2a
SECTION 1:10

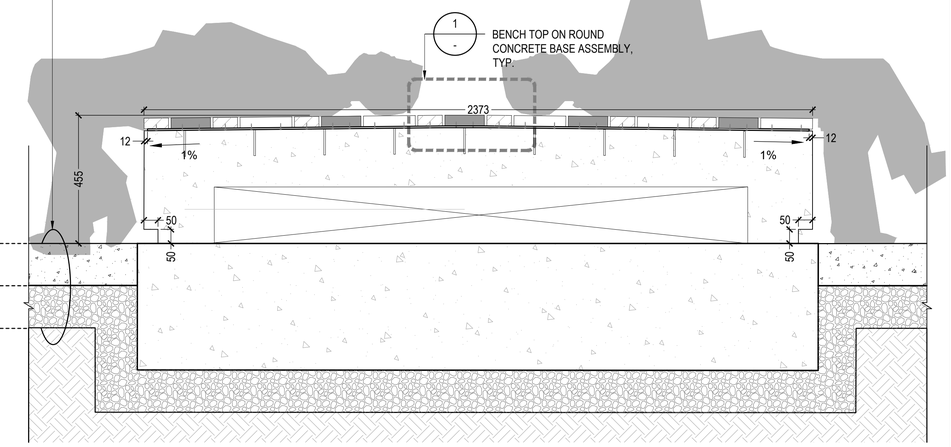
CIRCLE PLATFORM TYPE 3a
SECTION 1:10



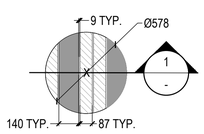
CIRCLE PLATFORM TYPE 1b
SECTION 1:10



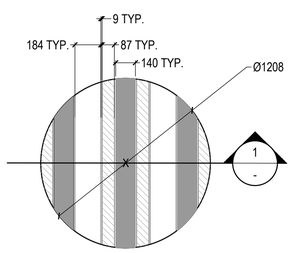
CIRCLE PLATFORM TYPE 2b
SECTION 1:10



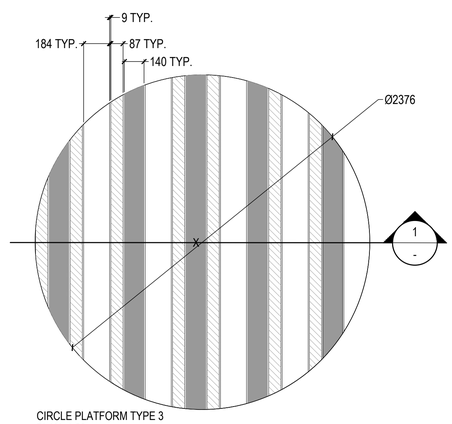
CIRCLE PLATFORM TYPE 3b
SECTION 1:10



CIRCLE PLATFORM TYPE 1
PLAN 1:20



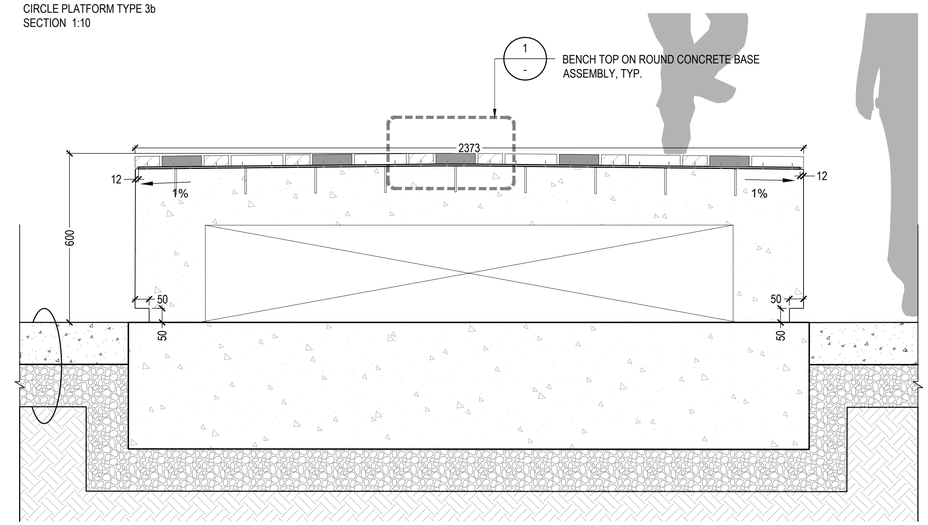
CIRCLE PLATFORM TYPE 2
PLAN 1:20



CIRCLE PLATFORM TYPE 3
PLAN 1:20

2 / - CIRCLE PLATFORMS

SCALE: AS SHOWN



CIRCLE PLATFORM TYPE 3c
SECTION 1:10

CLIENT:

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18061	2019/11/26
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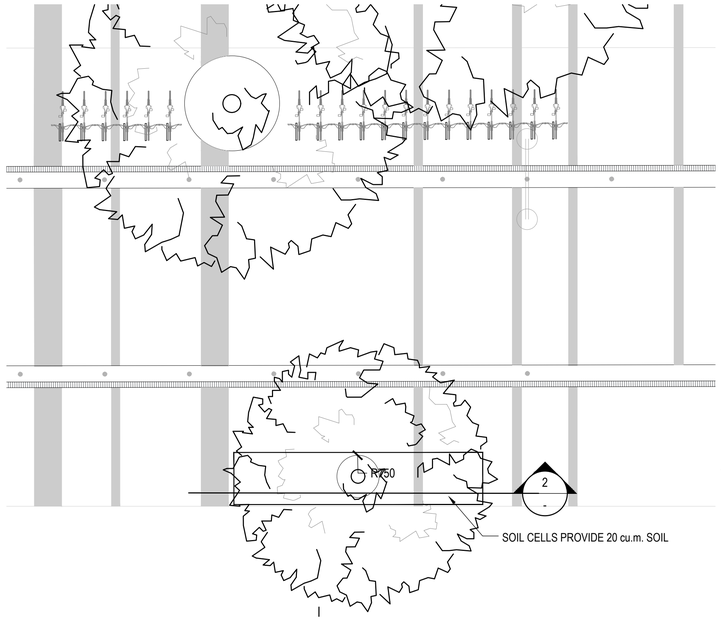
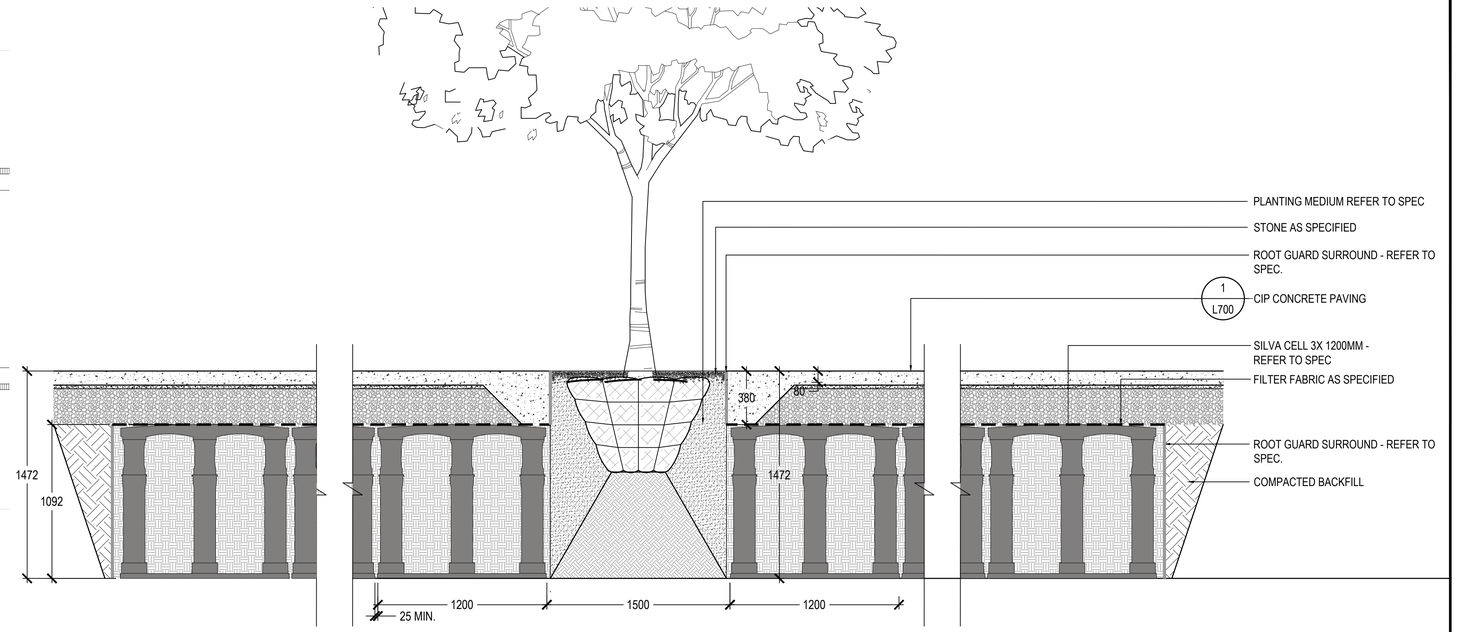


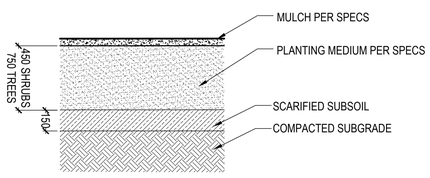
1 - TREE PIT WITH SILVA CELLS - PLAN

SCALE: 1:100

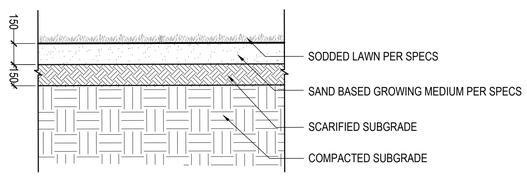


2 - SECTION - TREE PIT WITH SILVA CELLS

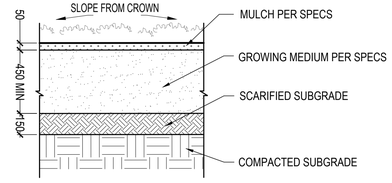
SCALE: 1:20



SOIL PROFILE



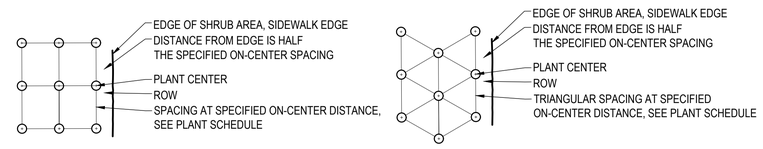
SODDED LAWN



SHRUB PLANTING ON GRADE

3 - SOIL PROFILES

SCALE: 1:20

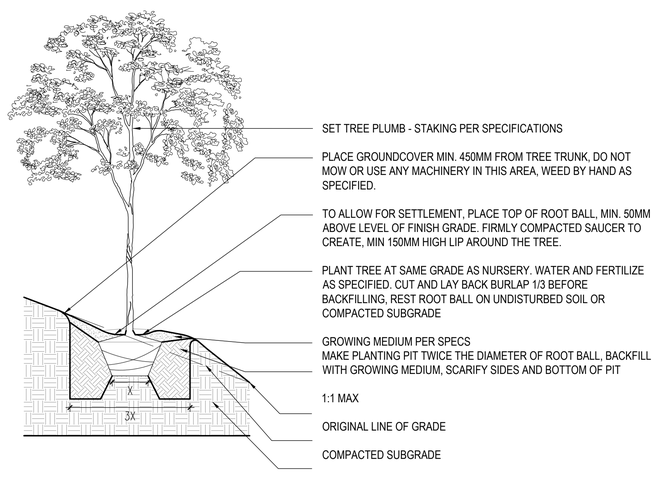


FORMAL

TRIANGULATION

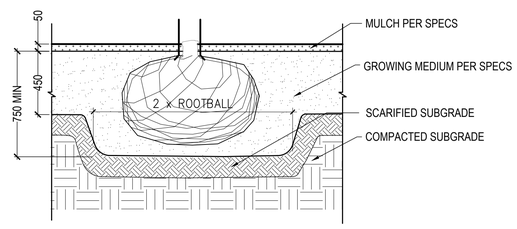
4 - SHRUB PLANTING DETAILS

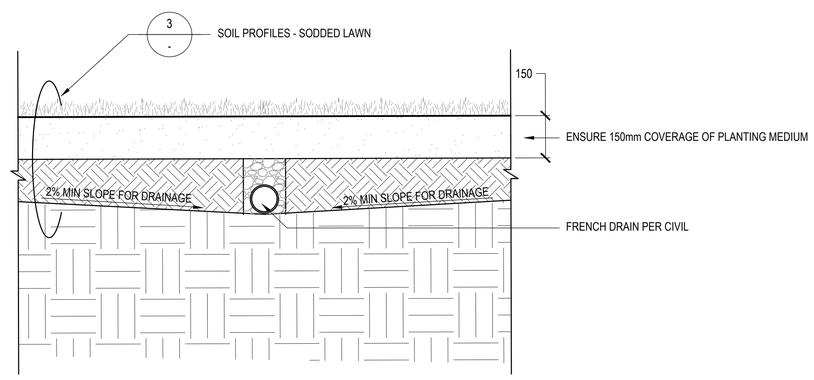
SCALE: 1:20



5 - TREE PLANTING DETAILS

SCALE: 1:50





6 - LAWN

SCALE: 1:10

P:\2018\18061 - Brock Commons Phase 2\18061 - 3 AUTO CAD\L700 DETAILS.dwg Nov26 2019 - 2:24pm

CLIENT:

UBC PROPERTIES TRUST

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ISSUANCE:

No.	Date	Details	By
1	2019.11.26	ISSUED FOR DEVELOPMENT PERMIT	DD

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STAMP:

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PROJECT NAME:

BROCK COMMONS PHASE II
PUBLIC REALM

DRAWING TITLE:

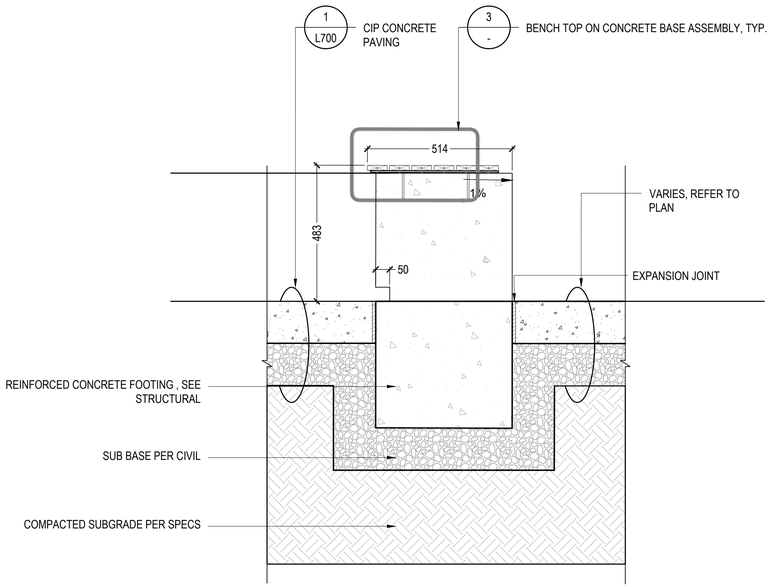
DETAILS

PFS PROJECT NUMBER:	DATE:
18061	2019/11/26
DRAWN BY: EW	CHECKED BY: DD

SCALE:
AS SHOWN

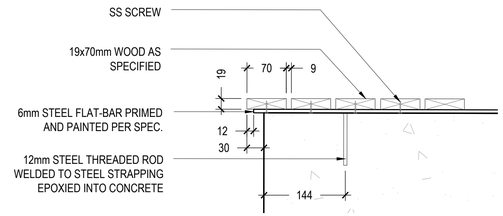
DWG. NO.:

L704



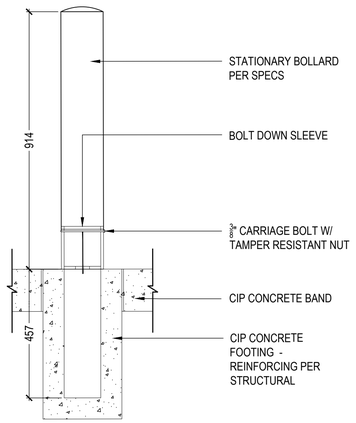
1 - SECTION - CIP CONCRETE BENCH

SCALE: 1:10



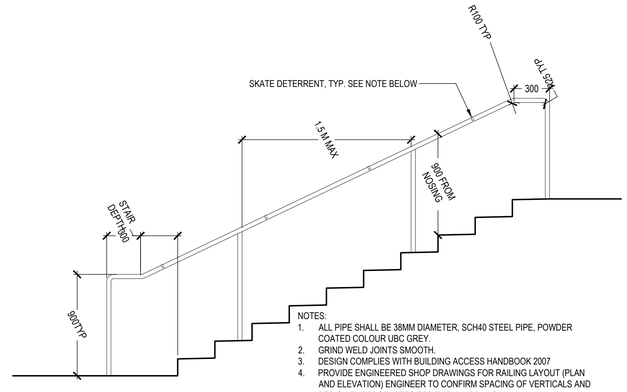
3 - BENCH TOP ON CONCRETE BASE ASSEMBLY

SCALE: 1:5



4 - UBC STANDARD BOLLARD - STATIONARY

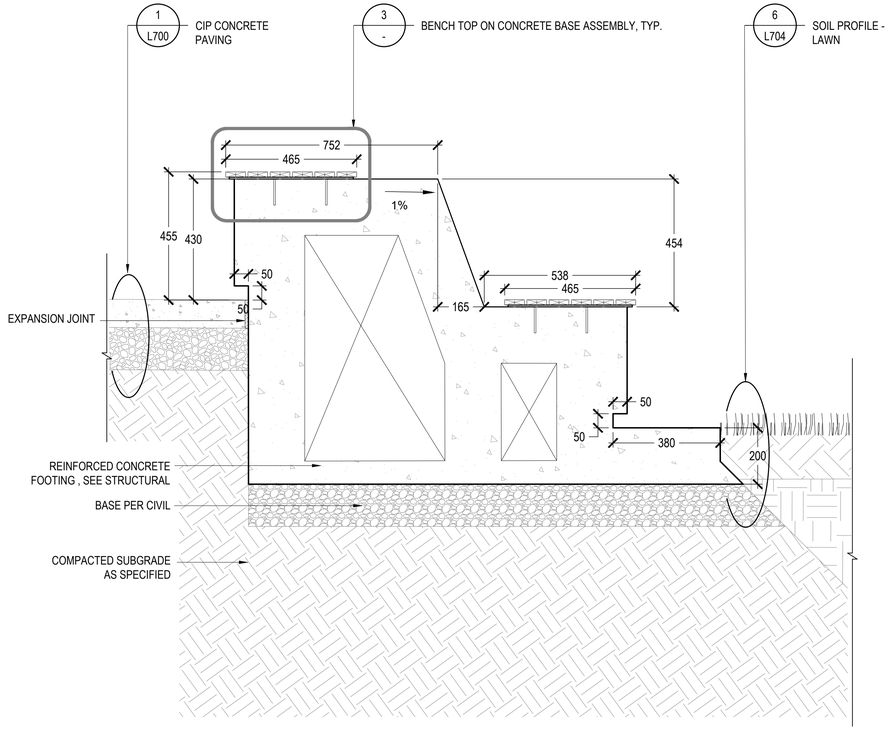
SCALE: 1:10



NOTES:
1. ALL PIPE SHALL BE 38MM DIAMETER, SCH40 STEEL PIPE, POWDER COATED COLOUR UBC GREY.
2. GRIND WELD JOINTS SMOOTH.
3. DESIGN COMPLIES WITH BUILDING ACCESS HANDBOOK 2007
4. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAILING LAYOUT (PLAN AND ELEVATION) ENGINEER TO CONFIRM SPACING OF VERTICALS AND DESIGN EMBEDS/PLATES FOR THE HANDRAILS
5. PROVIDE SKATE DETERRENTS AT 1M O.C. MAX AT ALL STAIR HANDRAILS. PRODUCT TO BE SKATESTOPPERS MODEL PN#H41.6 (PATENTED HR SERIES) REFER TO MANUFACTURER'S SPECIFICATIONS/INSTRUCTIONS FOR SKATE DETERRENT INSTALLATION. CONTRACTOR TO CONFIRM O.D. OF RAILING PRIOR TO ORDERING SKATE DETERRENTS.

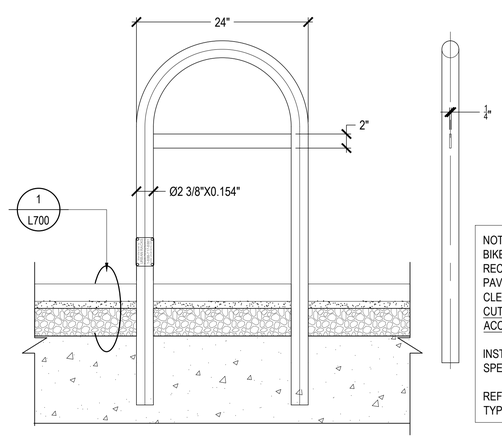
6 - UBC STANDARD HANDRAIL

SCALE: 1:25



2 - SECTION - CIP CONCRETE TERRACE WALL WITH WOOD TOP BENCH SEATING

SCALE: 1:10



NOTES:
BIKE RACKS TO BE EMBED MOUNTED IN RECESSED CONCRETE FOOTING - PAVERS TO HAVE A RADIAL CUT TO CLEANLY RECEIVE BIKE TUBING - SQUARE CUTS AROUND METAL PIPE WITH NOT BE ACCEPTED

INSTALL PER MANUFACTURER'S SPECIFICATIONS

REFER TO DETAIL2/L502 FOR TYPICAL LAYOUT

5 - UBC STANDARD BIKE RACK-EMBED MOUNT

SCALE: 1:10

CLIENT:

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BROCK COMMONS PHASE II
PUBLIC REALM

DRAWING TITLE:

DETAILS

PFS PROJECT NUMBER: 18061

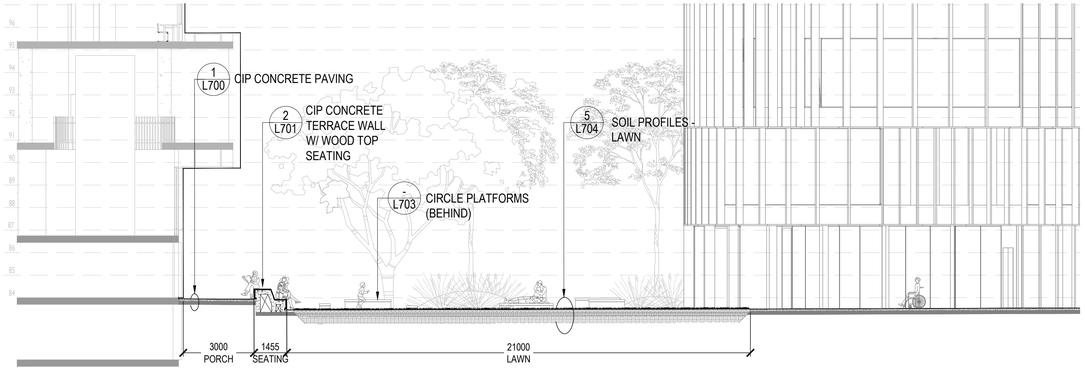
DATE: 2019/11/26

DRAWN BY: EW

CHECKED BY: DD

SCALE: AS SHOWN

DWG. NO.: L701



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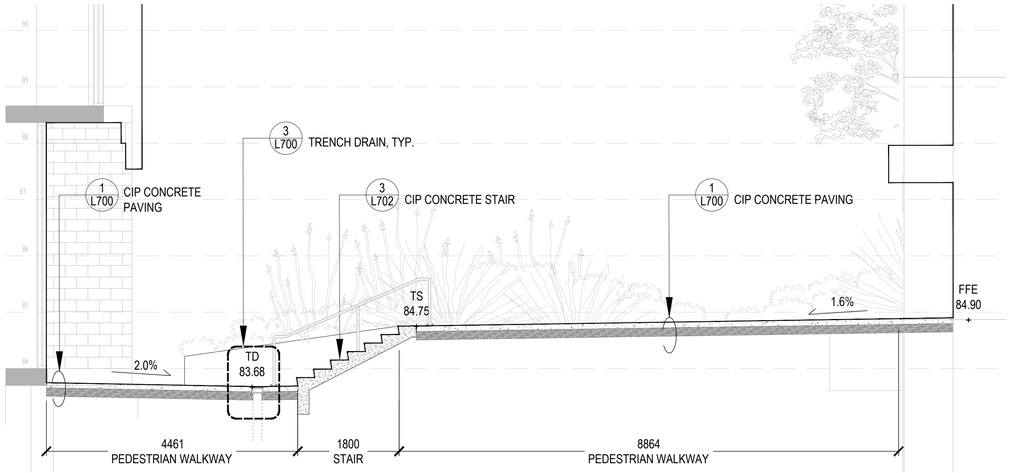
SCALE: 1:125



2 - SECTION
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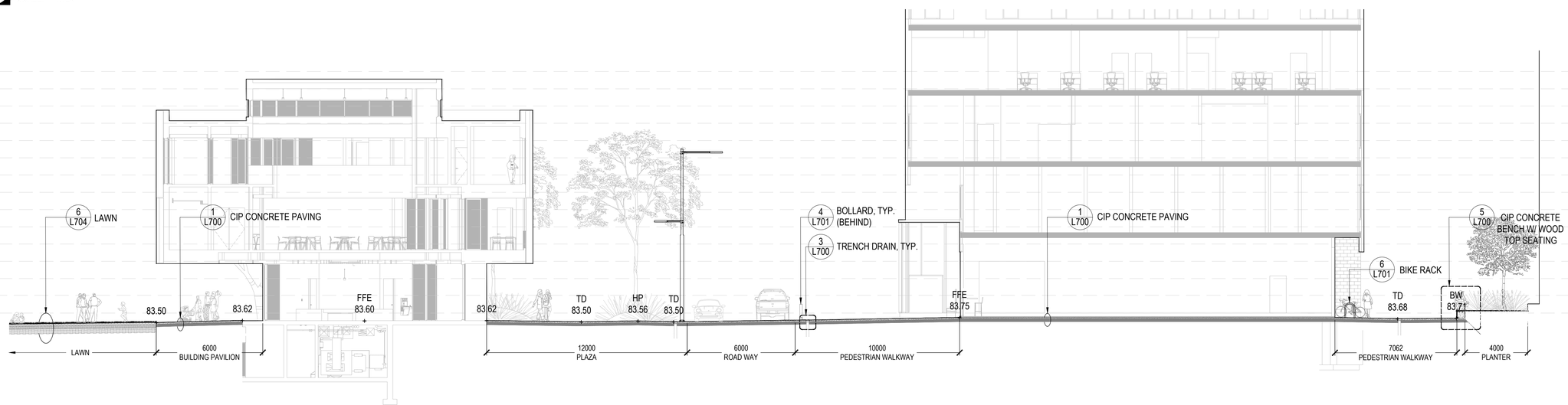

3 - SECTION
SCALE: 1:125

CLIENT:

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PROJECT NAME:
BROCK COMMONS PHASE II
PUBLIC REALM

DRAWING TITLE:
LANDSCAPE SECTIONS

PFS PROJECT NUMBER: 18061
DATE: 2019/11/26
DRAWN BY: EW
CHECKED BY: DD
SCALE: AS SHOWN

DWG. NO.:
L800