

SHRUB BEDS

(+) STREET TREES

PAVERS

PATIO & PLANTS TO BE REMOVED, SALVAGED,

OR TRANSPLANTED

MANAGER (A), DEVELOPMENT REVIEW WEST

PLANNING, DEVELOPMENT AND BUILDING SERVICES

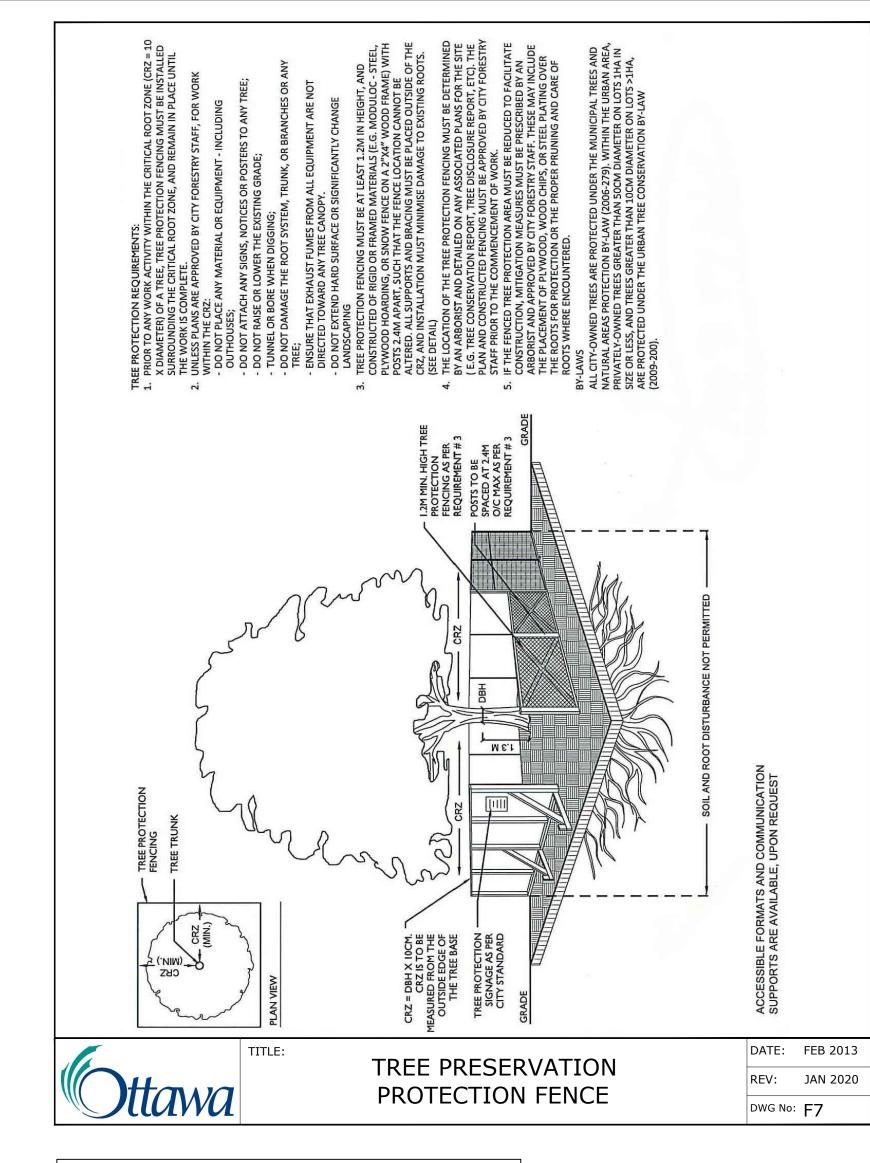
DEPARTMENT, CITY OF OTTAWA

IP13 - BUSINESS PARK INDUSTRIAL ZONE

AREA "C" OF SCHEDULE 1, CITY OF OTTAWA

PROPERTY IDENTIFICATION NUMBER (PIN):

045080122



PROTECT ALL EXISTING VEGETATION

Exist	Existing Trees							
Origin	ID		Botanical Name	Common Name	Size (cm DBH)	Location	Condition	Action
			EXISTING TREES - GOOD CONDITION					
Non N	Ag		Acer ginnala	Amur Maple, tree form	8		Good	Retain
Ntv H	Ar'AS'		Acer rubrum 'Autumn Spire'	Red Maple	9		Good	Retain
Ntv	As		Acer saccharum	Sugar Maple	9		Good	Retain
Ntv H	AcB		Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry	8		Good	Retain
Non N	BnR		Betula nigra 'Riversii'	River Birch	7		Good	Retain
Ntv	Со	9	Celtis occidentalis	Common Hackberry	9		Good	Retain
Ntv H	GtS	3	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honey Locust	9		Good	Retain
Non N	MM	4	Malus x Makamik	Makamik Crabapple	8		Good	Retain
Ntv	Ov	3	Ostrya virginiana	Ironwood	8		Good	Retain
Non N	Pp	17	Picea pungens	Colorado Spruce	9		Good	Retain
Ntv	Qr	3	Quercus rubra	Red Oak	9		Good	Retain
			EXISTING TREES - POOR CONDITION					
Ntv H	AcB	1	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry	8	Near east side property, south of east patio	Poor	Retain
Ntv H	AcB	1	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry	8	West of main entrance	Poor, shoots from roots only. In conflict with exising utilities	Remove
Ntv	As	1	Acer saccharum	Sugar Maple	9	Near west property line, west of west patio	Scarred trunk	Retain
Non N	ММ	1	Malus x Makamik	Makamik Crabapple	8	At north property line, centre of property	Fair to poor condition	Retain
Non N	ММ	1	Malus x Makamik	Makamik Crabapple	7	At north propoerty line, centre of property	Very poor, sprouting from roots	Retain
Ntv	Qr	1	Quercus rubra	Red Oak	9	Near north property line, west of north parking	Trunk scarred at base	Retain
			EXISTING TREES TO REMOVE					
Non N	ММ	1	Malus x Makamik	Makamik Crabapple	7	West of west patio	Very poor condition	Remove and replace
INVASIVE	PcC	1	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	9	North of east gazebo	Fair - invasive species	Remove
Ntv	tCo	1	Celtis occidentalis	Common Hackberry	9	South-west corner of parking near south property line	Good, in conflict with proposed snow storage	Transpla nt
Non N	tPp	1	Picea pungens	Colorado Spruce	9	West of main entrance at south property line.	Good, in conflict with existing utilities,	Transpla



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- All sodded areas to receive a minimum of 150mm of topsoil over graded sub-base. If sod with mesh is used, mesh to be removed completely during sodding operations. Sod shall come from an approved source and shall be laid within 24 hours of being cut in the nursery. Only nursery sod shall be used.
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- .9 Maintain positive surface runoff through the entire construction period.
- .10 Reinstate all areas and items damaged as a result of construction activities

3	Re-issued for Site Plan Control	2025-07-17
2	Re-issued for Site Plan Control	2025-04-15
1	Issued for Site Plan Control	2025-03-11

Ruhland & Associates Ltd 200-1750 Courtwood Crescent, Ottawa, Ontario K2C 2B5 P (613) 224-4744 x 222 F (613) 224-1131 info@rala.ca www.rala.ca

N45 ARCHITECTURE INC. 71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2



NOVATECH Engineers, Planners & Landscape Architects



CARPENTERS DISTRICT COUNCIL OF ONTARIO LOCAL 93. -**ADDITION**

CAMPEAU DRIVE OTTAWA, ON



EXISTING CONDITION / REMOVALS

T. Frost / V. Odusanya 2023 06 09 project number

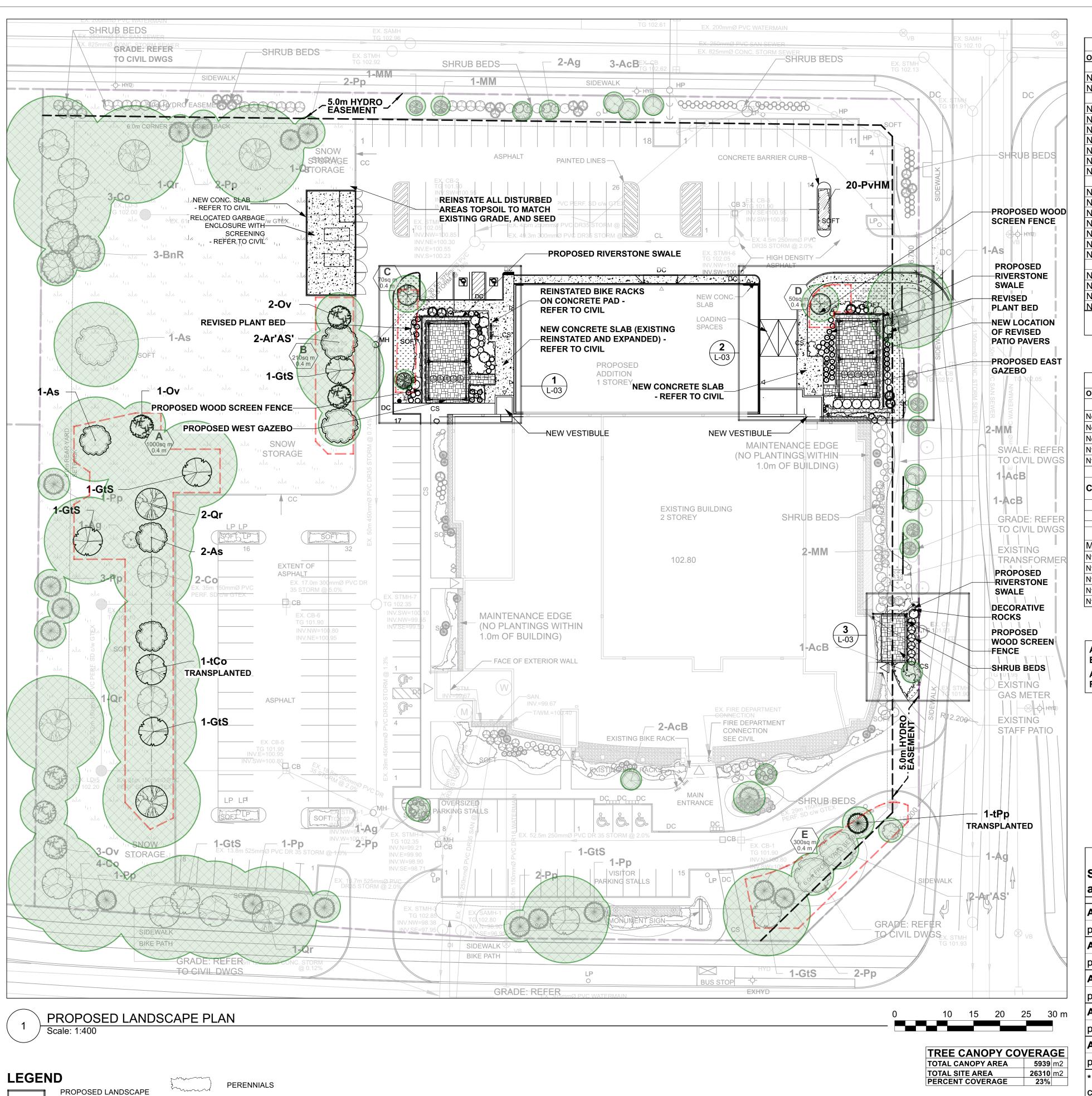
M. Ruhland drawing number 23-790

L- 01 RA 23-1724 CONTRACTOR TO VERIFY ALL DIMENSIONS AND revision

NOTIFY THE ARCHITECT OF ANY DISCREPANCIES
BEFORE WORK COMMENCES.

DO NOT SCALE DRAWINGS

Plan #19291



REFER TO CIVIL FOR DRAINAGE AND SWALE CONNECTIONS

ADDITION

/ WALKWAY

PEASTONE

SEED

SOD

----- CHAIN LINK FENCE

PAVERS

علد علد علد علد علد علد

CONCRETE PAVEMENT

PROPOSED /

EXISTING TREES

EXISTING SHRUBS

STREET TREES

TRANSPLANTED TREES

TRANSPLANTED SHRUBS

	Plant	List				
Origin	ID	Qty	Botanical Name	Common Name	Sched. Size	Remarks
	Trees to	be '	transplanted			
Ntv	tCo	1	Celtis occidentalis	Common Hackberry	60mm caliper	WB, Staked
Non N	tPp	1	Picea pungens	Colorado Spruce	200cm ht	WB, Staked
	Shrubs	to b	e transplanted			
Non N	CaE	9	Cornus alba 'Elegantissima'	Silverleaf Dogwood	50cm ht	1.0m o.c.
Ntv	JhBC	12	Juniperus horizontalis 'Blue Chip'	Blue Chip Juniper	50cm spd	1.1m o.c.
Non N	Md	23	Microbiota decussata	Russian Cypress	50cm spd	0.9m o.c.
Ntv H	PoDG	8	Physocarpus opulifolius 'Darts Gold'	Darts Gold Ninebark	40cm ht	Potted
Ntv	Ra	6	Rhus aromatica	Fragrant Sumac	50cm ht	Potted
Ntv H	ТоН	7	Thuja occidentalis 'Holmstrup'	Holmstrup Eastern Arborvitae	150 cm ht.	Potted
Ntv	Vd	7	Viburnum dentatum	Arrowwood	80cm ht	Bare root
	Propos	ed n	ew trees			
Ntv H	Ar'AS'	2	Acer rubrum 'Autumn Spire'	Red Maple	70mm caliper	WB, Staked
Ntv	As	3	Acer saccharum	Sugar Maple	60mm caliper	WB, Staked
Ntv H	CcgC	2	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspur Hawthorn	45mm caliper	WB, Staked
Ntv H	GtS	4	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honey Locust	60mm caliper	WB, Staked
Non N	MM	1	Malus x Makamik	Makamik Crabapple	50mm cal.	B&B / WB
Nt∨	Ov	3	Ostrya virginiana	Ironwood	50mm caliper	WB, Staked
Ntv	Qr	2	Quercus rubra	Red Oak	60mm caliper	WB, Staked
	Additional Plants		Plants			
Ntv H	PoDG	7	Physocarpus opulifolius 'Darts Gold'	Darts Gold Ninebark	40cm ht	Potted
Ntv H	PvHM	20	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	3 year	Potted
Ntv H	ToF	5	Thuja occidentalis 'Fastigiata'	Fastigiate Eastern Arborvitae	175cm ht	specimen
Ntv	Vd	3	Viburnum dentatum	Arrowwood	80cm ht	Bare root

	Peren	nials				
Origin	ID	Qty	Botanical Name	Common Name	Sched. Size	Spacing
			Existing perennials for transpl	anting		
Non N	PvB	103	Hemerocallis (mid height - purples)	Daylily varieties	150cm Pot	50cm o.c.
Non N	PvC	81	Hosta ('Honey Bells', 'Blue Angel')	Hosta varieties	150cm Pot	45cm o.c.
Non N	PvD	22	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	150cm Pot	60cm o.c.
Ntv H	PvE	41	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	150cm Pot	75cm o.c.
Ntv	PvF	43	Chasmanthium latifolium	Northern Sea Oats	150cm Pot	60cm o.c.
		290				
CONTI	RACTOR	R TO A	ASSUME HALF OF PERENNIALS FO	R TRANSPLANTING ARE VIABLE		
CONTI	_			R TRANSPLANTING ARE VIABLE		
CONTI	_	pere	ASSUME HALF OF PERENNIALS FOI nnials required for new layout Perennial variety Sun-Shade	R TRANSPLANTING ARE VIABLE		
CONTI	Total	pere	nnials required for new layout Perennial variety Sun-Shade	R TRANSPLANTING ARE VIABLE		
CONTI	Total	pere	nnials required for new layout	R TRANSPLANTING ARE VIABLE		
	Total P.var	perei 192	nnials required for new layout Perennial variety Sun-Shade			
Make u	Total P.var	perei 192 nial qu	Proposed perennials		150cm Pot	75cm o.c.
Make ι Ntv Η	Total P.var	perei 192 nial qu	Perennial variety Sun-Shade Proposed perennials antities as required with the following, Panicum virgatum 'Heavy Metal'	in proportion as indicated	150cm Pot 150cm Pot	75cm o.c. 60cm o.c.
Make ι Ntv Η Ntv	Total P.var up peren	pere 192 nial qu 15% 15%	Perennial variety Sun-Shade Proposed perennials antities as required with the following, Panicum virgatum 'Heavy Metal'	in proportion as indicated Heavy Metal Switch Grass		
	Total P.var up peren PvE PvF	perei 192 nial qu 15% 15% 25%	Perennial variety Sun-Shade Proposed perennials antities as required with the following, Panicum virgatum 'Heavy Metal' Chasmanthium latifolium	in proportion as indicated Heavy Metal Switch Grass Northern Sea Oats	150cm Pot	60cm o.c.

ALL AREAS DISTURBED OUTSIDE THE PARKING LOT TO BE REINSTATED WITH TOP SOIL AND SEED TO MATCH

ALL AREAS DISTURBED ADJACENT TO BUILDING TO BE REINSTATED WITH TOPSOIL AND SOD TO MATCH FINAL GRADE

> **APPROVED** By Kersten Nitsche at 10:30 am, Sep 04, 2025

KERSTEN NITSCHE, MCIP RPP MANAGER (A), DEVELOPMENT REVIEW WEST PLANNING, DEVELOPMENT AND BUILDING SERVICES **DEPARTMENT, CITY OF OTTAWA**

Tree Quantity	OTTAWA Target Soil Volume (m³)	Design Soil Volume	Soil Adequacy percentage	Contractor soil requirement
, 2 large e	xisting trees,	1 medium ex	isting tree	Refer to 3
13	228.0	280.0	123%	detail L-06
s				Refer to 3
5	84.0	84.0	100%	detail L-06
				Refer to notes
2	27.0	28.0	104%	below
				Refer to notes
1	20.0	20.0	100%	below
mall tree				Refer to 3
7	111.0	120.0	108%	detail L-06
	Quantity 2 large e 13 5 2	Tree Quantity Target Soil Volume (m³) 2 large existing trees, 13 228.0 5 84.0 2 27.0 1 20.0 mall tree	Tree Quantity	Tree Quantity Target Soil Volume (m³) Design Soil Volume Soil Adequacy percentage 2 large existing trees, 1 medium existing tree 13 228.0 280.0 123% 5 84.0 84.0 100% 2 27.0 28.0 104% 1 20.0 20.0 100% mall tree 100%

* Smaller columnar trees, small ornamental trees with growth to 8-15cm DBH, large shrubs, and columnar conifers calculated using 'How much soil to grow a big tree' by DeepRoot as a guide

NOTE: AREAS C & D ONLY: WITHIN SUBJECT PROPERTY: PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCIVE TO PLANT GROWTH. ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT.

THIS DOES NOT INCLUDE TOPSOIL REQUIRED FOR SODDING.

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.11 Street tree species locations and numbers were selected based on soil volume calculations in accordance with the City of Ottawa's requirements for tree planting.

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no.	revision	date

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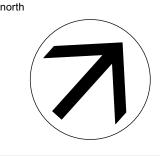
Monument-Urso Surveying Ltd. Ontario Land Surveyors Canada Land Surveyors 1755 WOODWARD DRIVE, OTTAWA ON, K2C 0P9 36 'C' FOURTH LINE EAST, SAULT STE. MARIE ON, P6A 6J8

Engineers, Planners & Landscape Architects



CARPENTERS DISTRICT COUNCIL OF ONTARIO LOCAL 93. -**ADDITION**

CAMPEAU DRIVE OTTAWA, ON



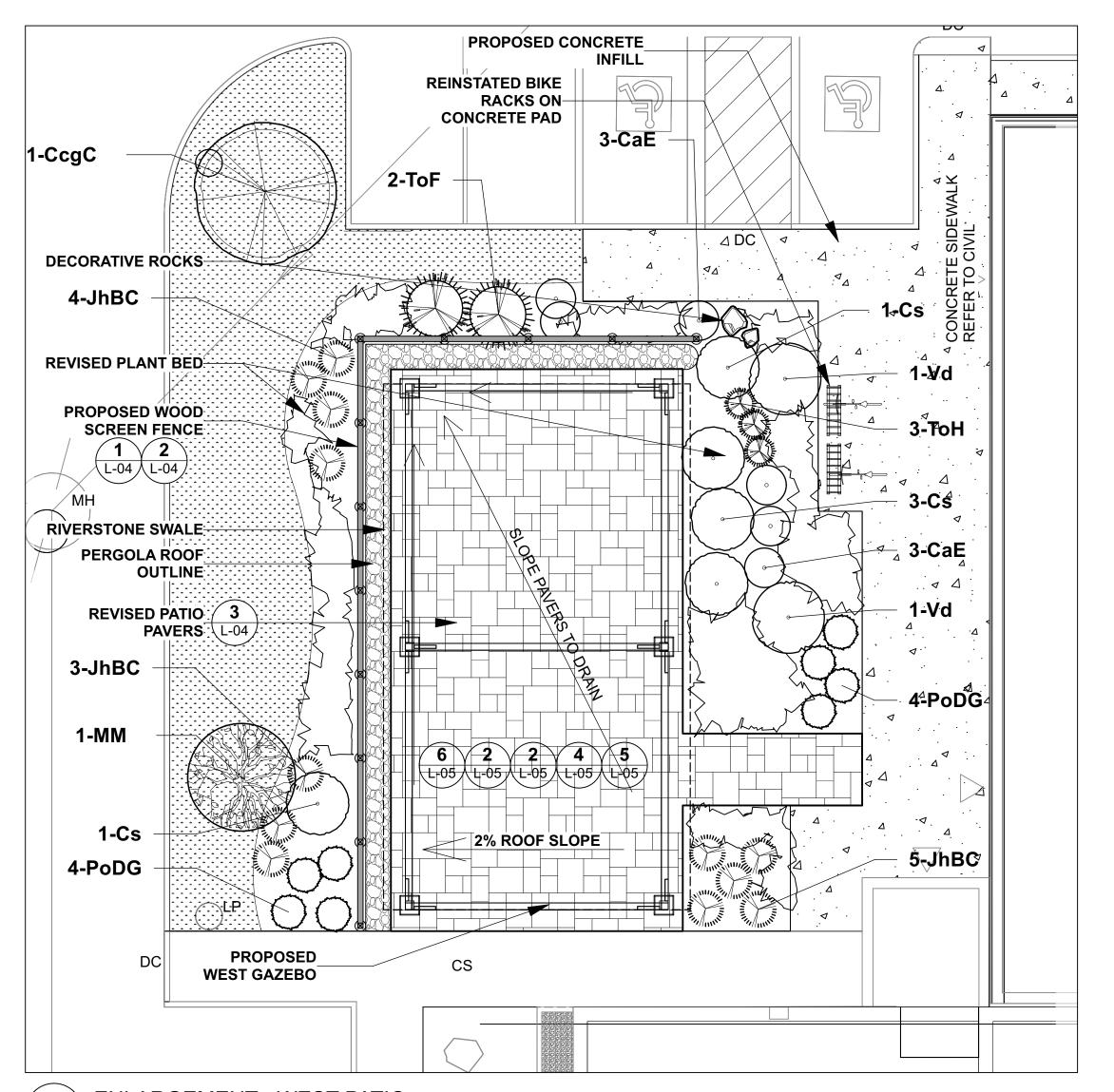
LANDSCAPE PLAN

T. Frost / V. Odusanya 2023 06 09 project number

M. Ruhland drawing number

23-790 L- 02 RA 23-1724

CONTRACTOR TO VERIFY ALL DIMENSIONS AND revision NOTIFY THE ARCHITECT OF ANY DISCREPANCIES
BEFORE WORK COMMENCES.



1-ToF **ROOT BARRIER** 1-CcgC ELECTRICAL-UTILITY LINE 7-PoDG 2-Vd 17-Md 2-ToH PROPOSED WOOD SCREEN L-04 L-04 FENCE REVISED PLANT BED 6-Md **1√-ToH** RIVERSTONE 3-CaE SWALE NEW CONCRETE SLAB - REFER TO CIVIL NEW LOCATION **∵OF REVISED DECORATIVE ROCKS IN SWALE** PATIO PAVERS 2-ToF 2% ROOF SLOPE 5-Vd RIVERSTONE SWALE 2-CaE

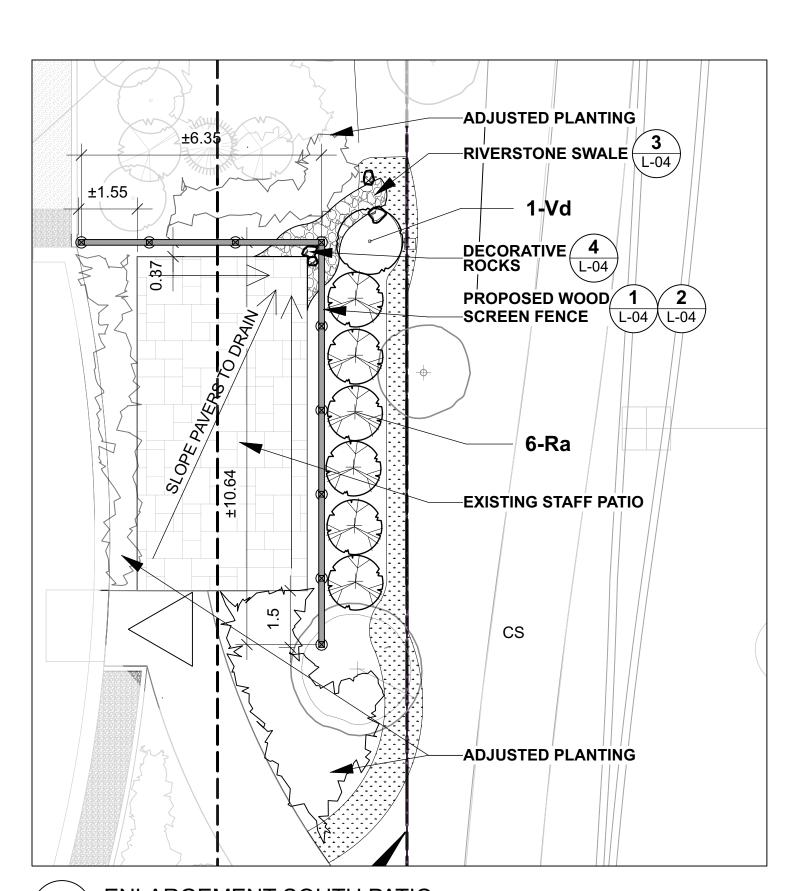
ENLARGEMENT - WEST PATIO Scale: 1:100

> **APPROVED** By Kersten Nitsche at 10:30 am, Sep 04, 2025

KERSTEN NITSCHE, MCIP RPP MANAGER (A), DEVELOPMENT REVIEW WEST PLANNING, DEVELOPMENT AND BUILDING SERVICES **DEPARTMENT, CITY OF OTTAWA**

> REFER TO CIVIL FOR DRAINAGE AND SWALE CONNECTIONS

ENLARGEMENT EAST PATIO



ENLARGEMENT SOUTH PATIO Scale: 1:100



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Ruhland & Associates Ltd 200-1750 Courtwood Crescent, Ottawa, Ontario K2C 2B5

N45 ARCHITECTURE INC.

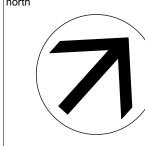
71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2 tel. 613.224.0095 fax 613.224.9811

Monument-Urso Surveying Ltd.
Ontario Land Surveyors Canada Land Surveyors
1755 WOODWARD DRIVE, OTTAWA ON, K2C 0P9 536 'C' FOURTH LINE EAST, SAULT STE. MARIE ON, P6A 6J8

Engineers, Planners & Landscape Architects

CARPENTERS DISTRICT COUNCIL OF ONTARIO LOCAL 93. -ADDITION

CAMPEAU DRIVE OTTAWA, ON



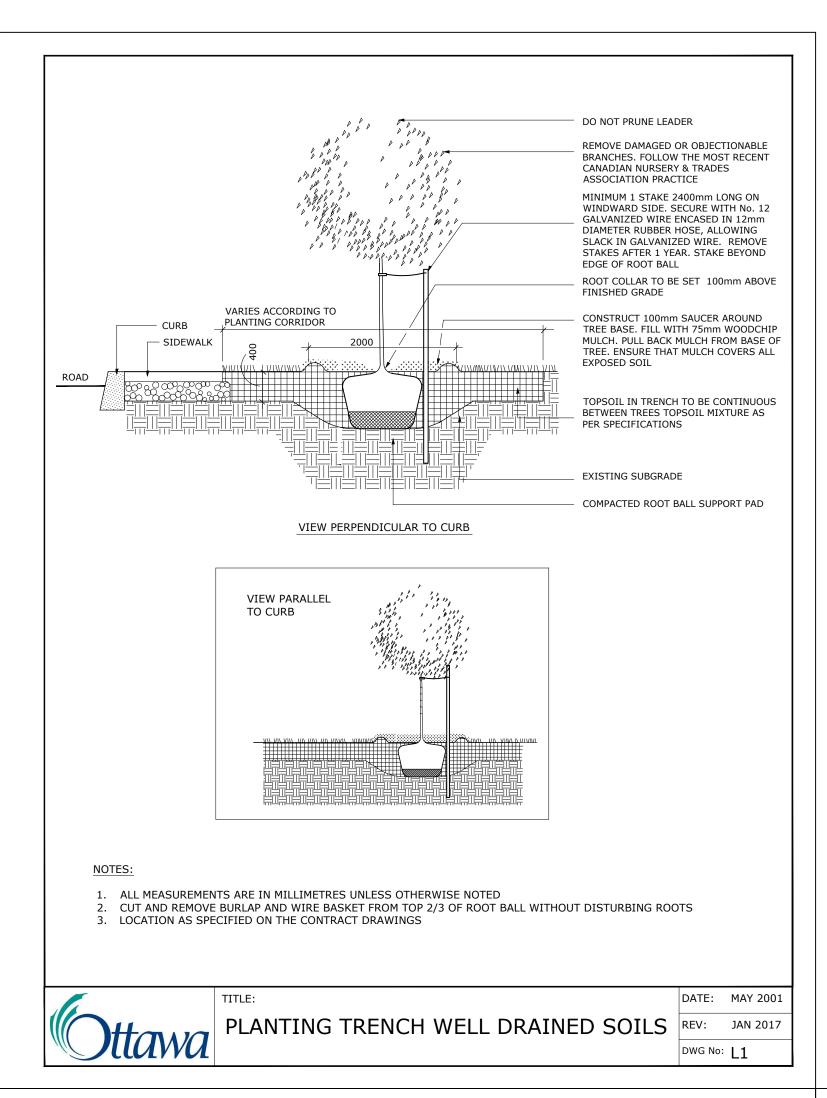
PLAN ENLARGEMENTS

2023 06 09 M. Ruhland

T. Frost / V. Odusanya

drawing number project number 23-790 L- 03

RA 23-1724 CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.



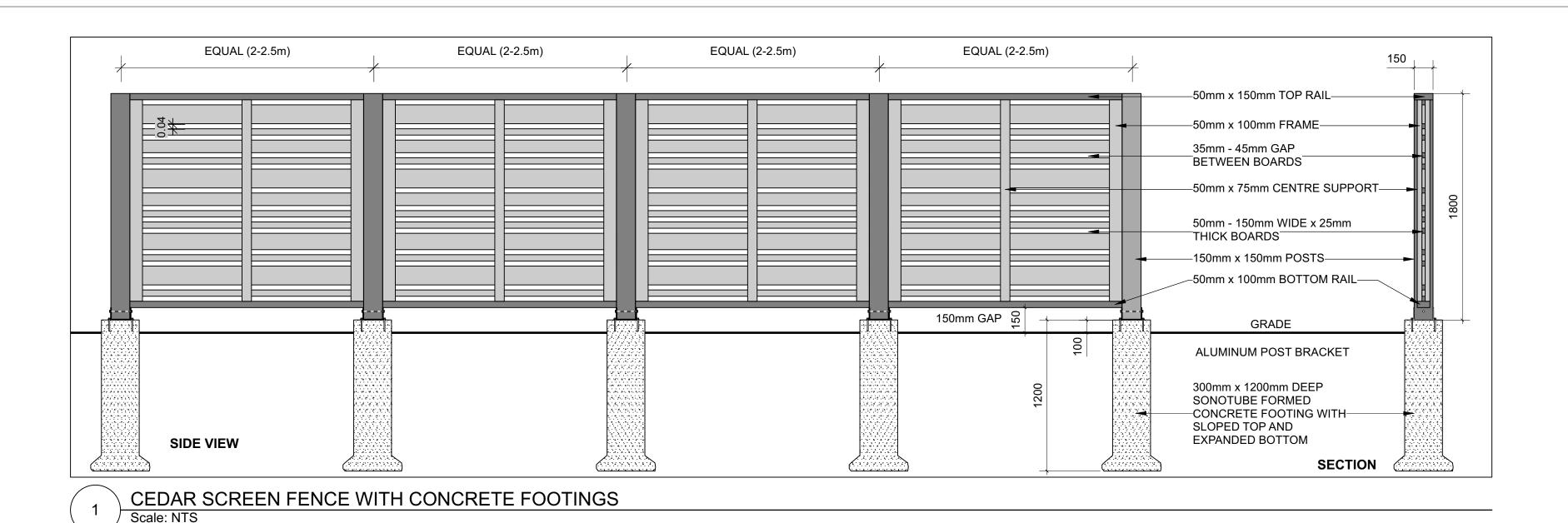
WITH SPECIES

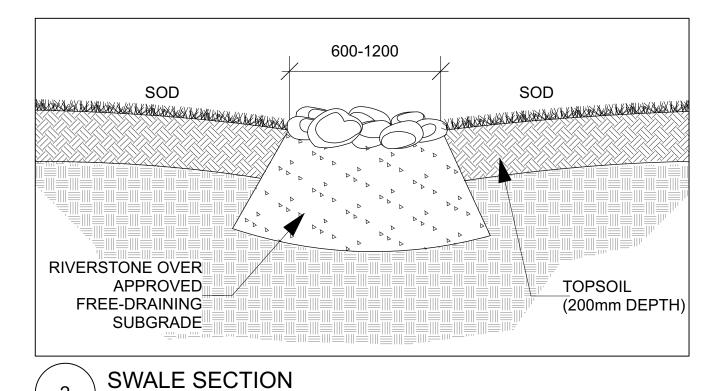
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

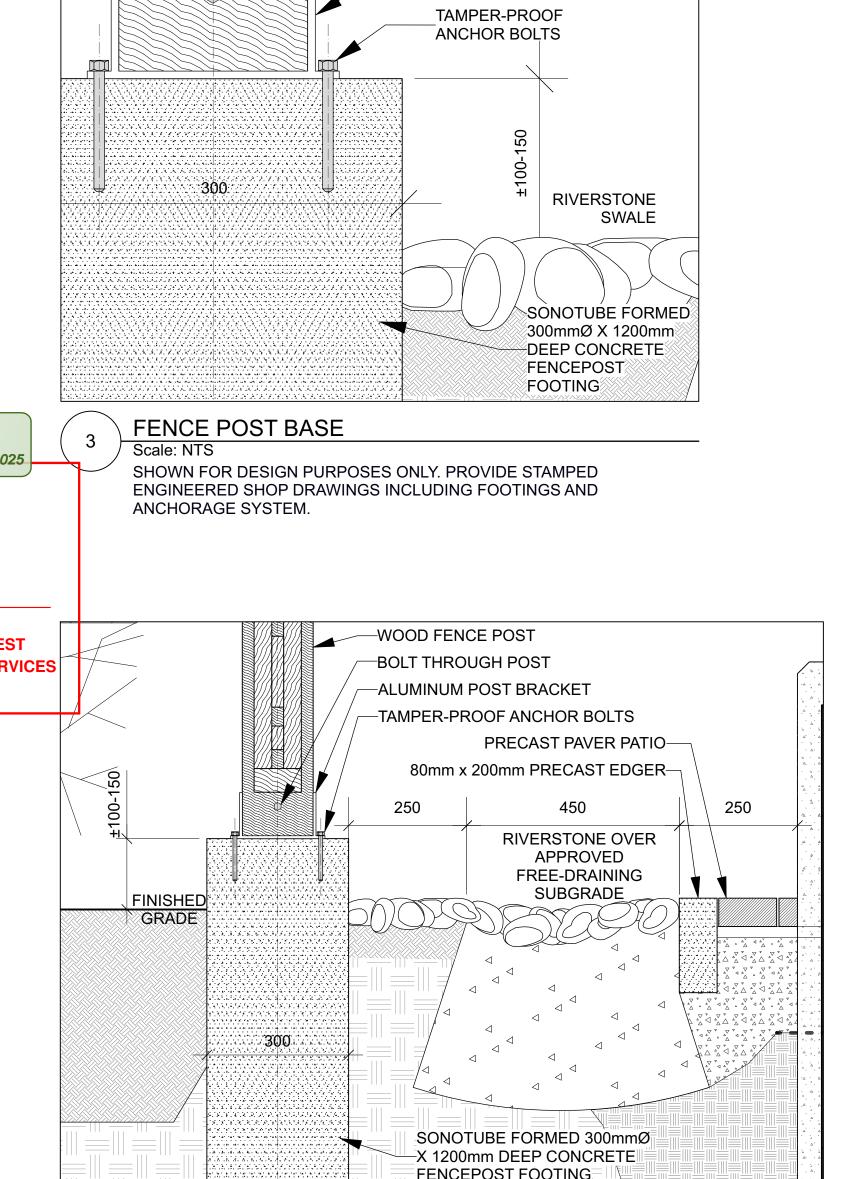
3. PROVIDE 100MM HIGH EARTH SAUCER AROUND PERENNIAL/GRASS BED.

GRASS PLANTING

2. PLANTING SOIL MIXTURE AS PER SPECIFICATION.





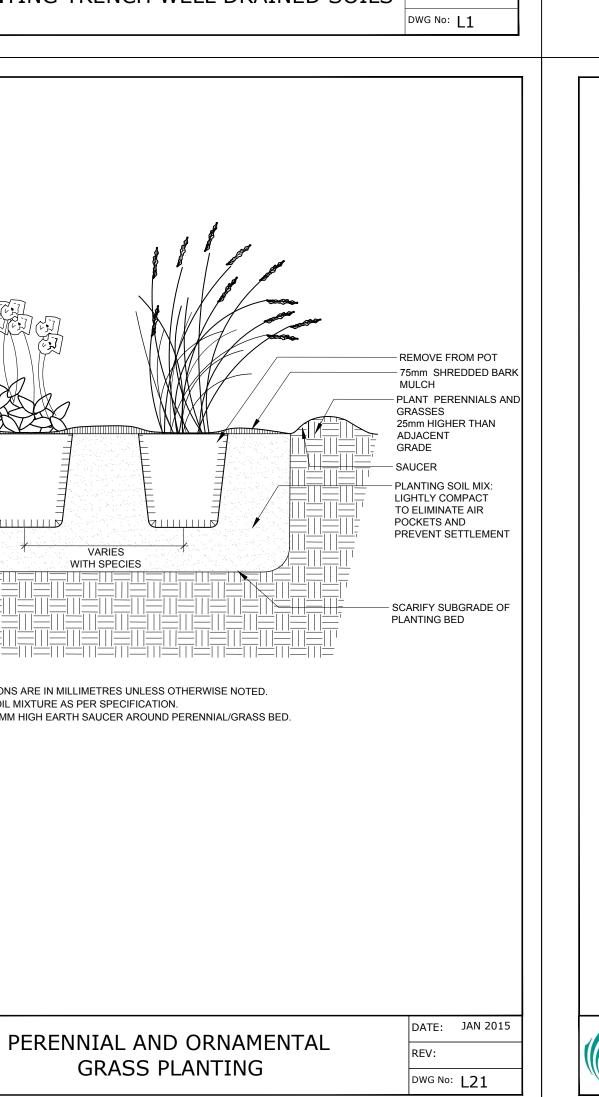


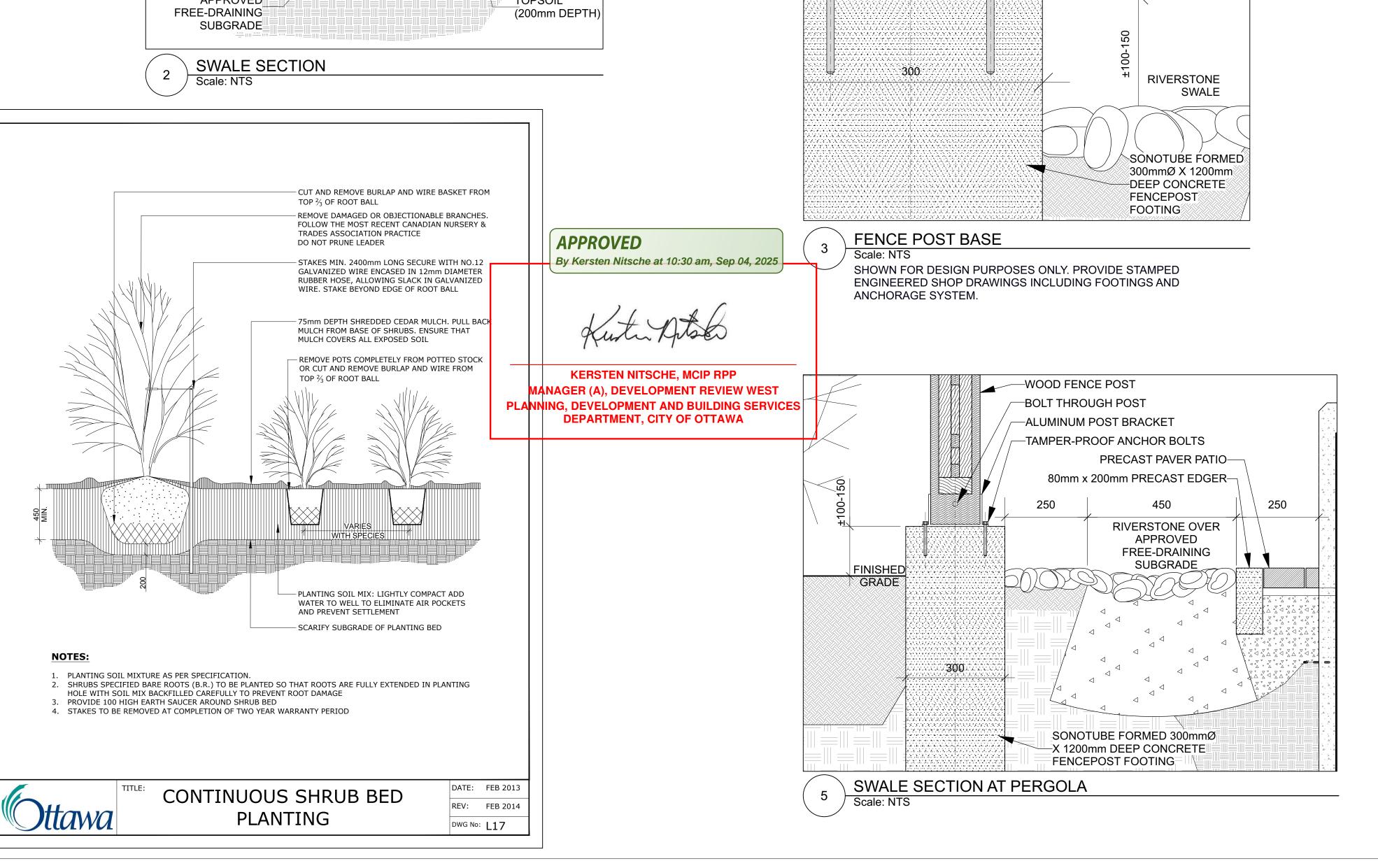
WOOD FENCE POST

-BOLT THROUGH POST

ALUMINUM POST

BRACKET







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CAMPEAU DRIVE

OTTAWA, ON

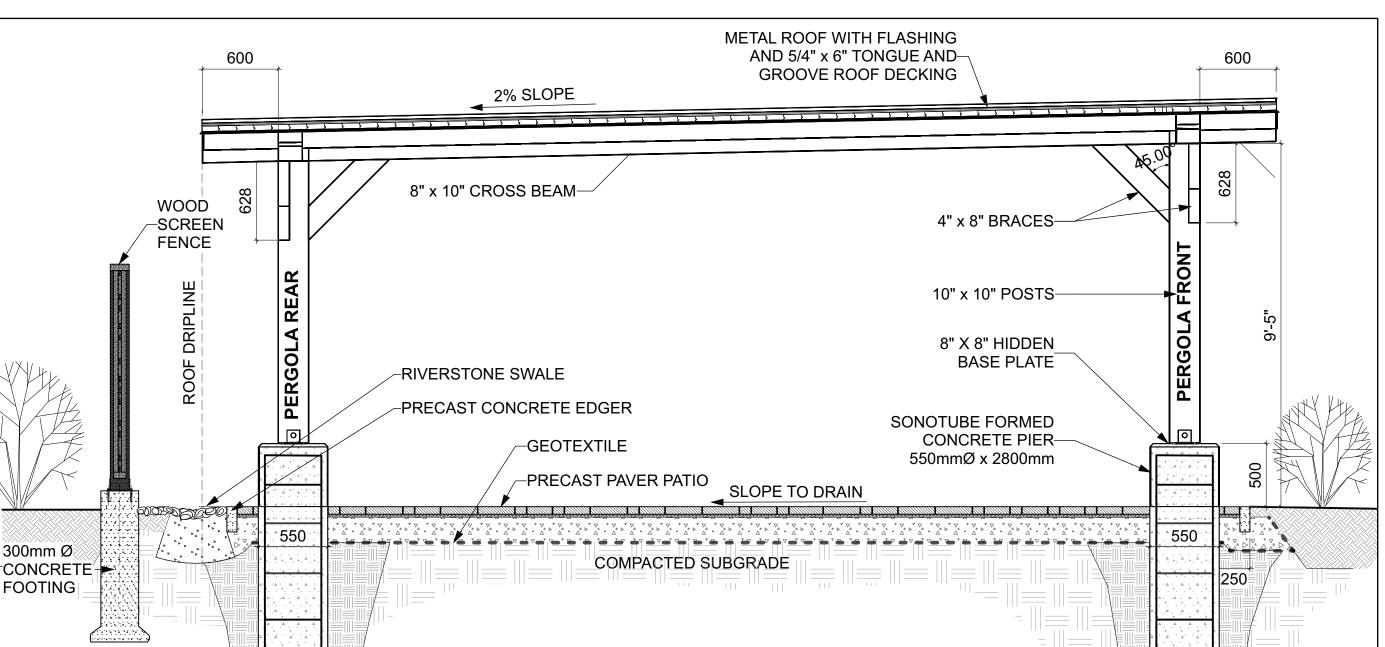
RA 23-1724

DETAILS

T. Frost / V. Odusanya 2023 06 09 M. Ruhland

project number drawing number 23-790

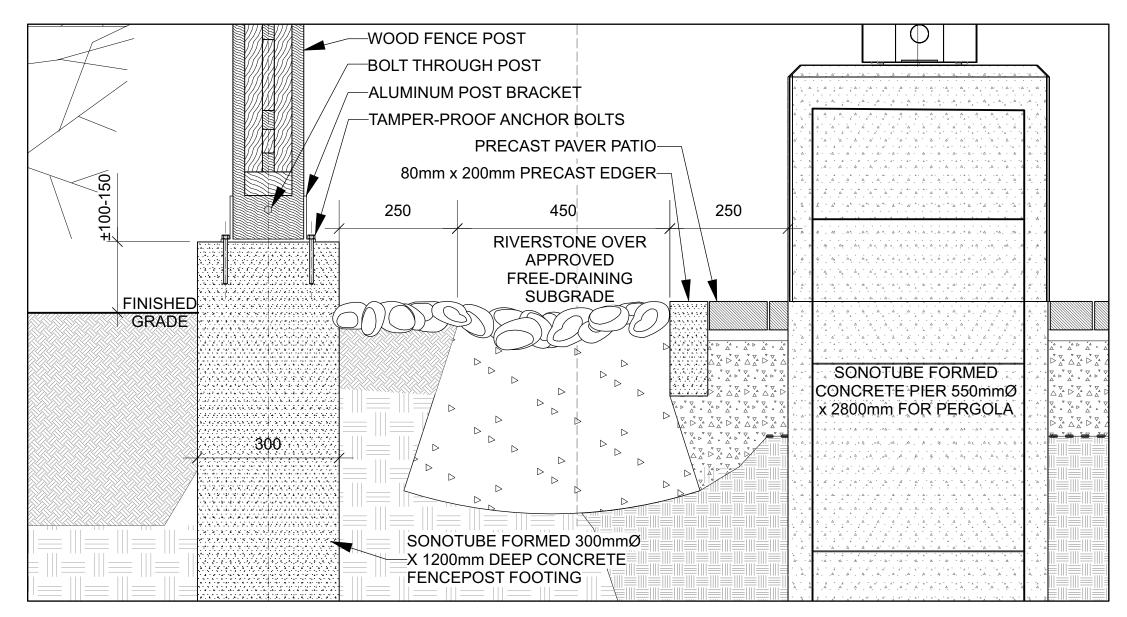
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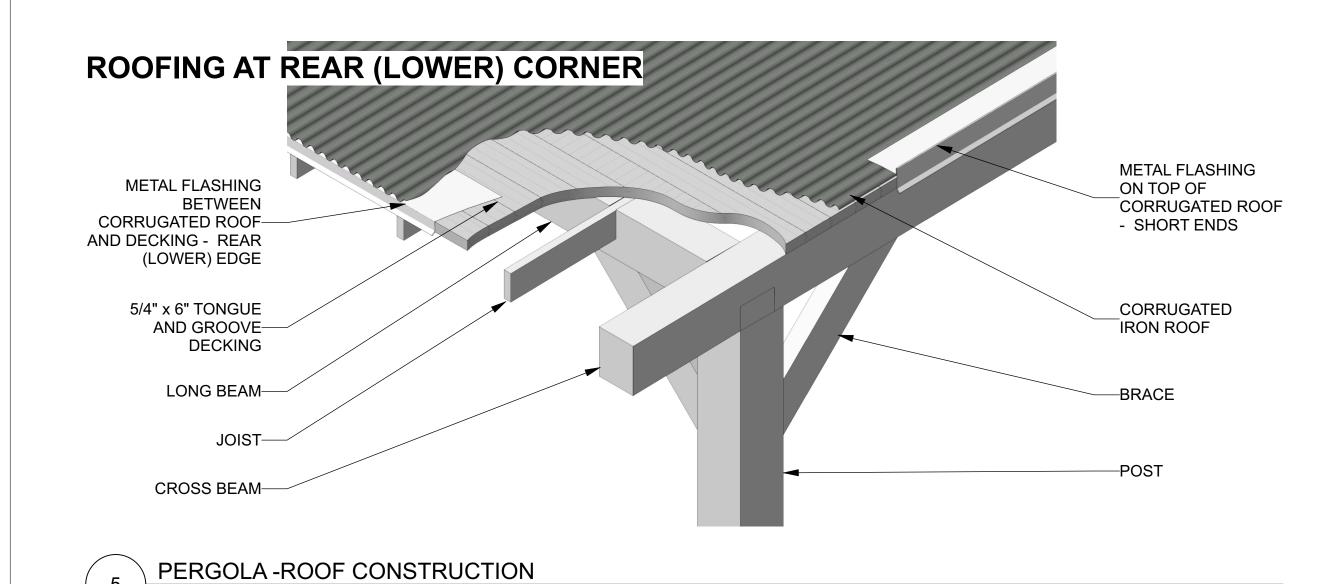
FOOTING PERGOLA - SIDE ELEVATION

PERGOLA APPEARANCE Scale: NTS

NOTE: PERGOLA CONFIGURATION TO BE ADJUSTED ACCORDING TO SITE.



PERGOLA - FENCE FOOTING, SWALE, AND PERGOLA FOOTING SECTION



PRECAST CONCRETE EDGER-10" X 10" PERGOLA POST-8" X 8" HIDDEN BASE PLATE-CHAMFER TOP EDGE 25mm-GEOTEXTILE— 250 7 7 7 7 7 7 **BACKFILL** 550 SONOTUBE FORMED CONCRETE PIER 550mmØ x 2800mm DEEP REBARS TOP AND BOTTOM, EACH WAY CONCRETE IN PIER TO BE CLASS C-2 (32MPa, AIR 5-8%). • CONCRETE IN FOOTING TO BE 25MPa. • ALL EXPOSED SURFACES TO BE LIGHTLY SANDBLASTED. • ALL REBARS TO BE EPOXY COATED. INSTALL PERGOLA AS PER MANUFACTURER'S SPECIFICATIONS

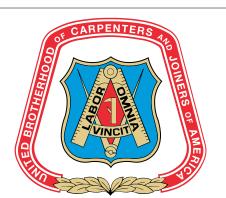
PERGOLA FOOTING Scale: NTS

NOTE: DETAILS ARE SHOWN FOR DESIGN INTENT ONLY. PROVIDE FULL SHOP DRAWINGS, STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO, FOR PERGOLA, FOOTINGS, REBAR DIMENSIONS, ANCHORAGE SYSTEM, AND STRUCTURAL COMPONENTS.

APPROVED

By Kersten Nitsche at 10:30 am, Sep 04, 2025

KERSTEN NITSCHE, MCIP RPP MANAGER (A), DEVELOPMENT REVIEW WEST PLANNING, DEVELOPMENT AND BUILDING SERVICES **DEPARTMENT, CITY OF OTTAWA**



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- .1 All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.
- .2 The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.
- .3 All dimensions shown are to be verified on site prior to any construction. No deviations are to be made from the layouts as shown on this plan without prior consultation with the Landscape Architect and Owner.
- .4 Obtain approval of Landscape Architect for granular base and layout of all pavement areas prior to construction.
- .5 Stake planting locations and receive approval of Landscape Architect, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval of the Landscape Architect.
- .6 Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. Have method approved by Landscape Architect.
- .7 All sodded areas to receive a minimum of 150mm of topsoil over graded sub-base. If sod with mesh is used, mesh to be removed completely during sodding operations. Sod shall come from an approved source and shall be laid within 24 hours of being cut in the nursery. Only nursery sod shall be used.
- .8 Final subgrade is to approved by the Landscape Architect prior to sod being laid.
- .9 Maintain positive surface runoff through the entire construction period.
- .10 Reinstate all areas and items damaged as a result of construction activities

3	Re-issued for Site Plan Control	2025-07-17
2	Re-issued for Site Plan Control	2025-04-15
1	Issued for Site Plan Control	2025-03-11
no.	revision	date

Ruhland & Associates Ltd

N45 ARCHITECTURE INC.

Monument-Urso Surveying Ltd. Ontario Land Surveyors Canada Land Surveyors 1755 WOODWARD DRIVE, OTTAWA ON, K2C 0P9



CARPENTERS DISTRICT COUNCIL

OF ONTARIO LOCAL 93. -**ADDITION**

CAMPEAU DRIVE

OTTAWA, ON

PERGOLA DETAILS

2023 06 09

T. Frost / V. Odusanya M. Ruhland

project number 23-790

L- 05 RA 23-1724

CONTRACTOR TO VERIFY ALL DIMENSIONS AND revision NOTIFY THE ARCHITECT OF ANY DISCREPANCIES
BEFORE WORK COMMENCES.