



OTTAWA - CARLETON DISTRICT SCHOOL BOARD

GENERAL NOTES

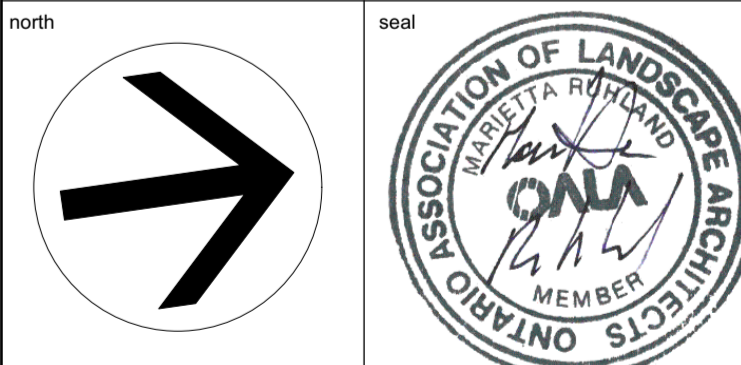
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03	Issued for Permit	2024/12/04
02	Issued for SPC Coordination	2024/09/09
01	Preliminary landscape plan	2024/06/12
no.	revision	date

N45 ARCHITECTURE INC.
71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2
tel. 613.224.0095 fax 613.224.9811

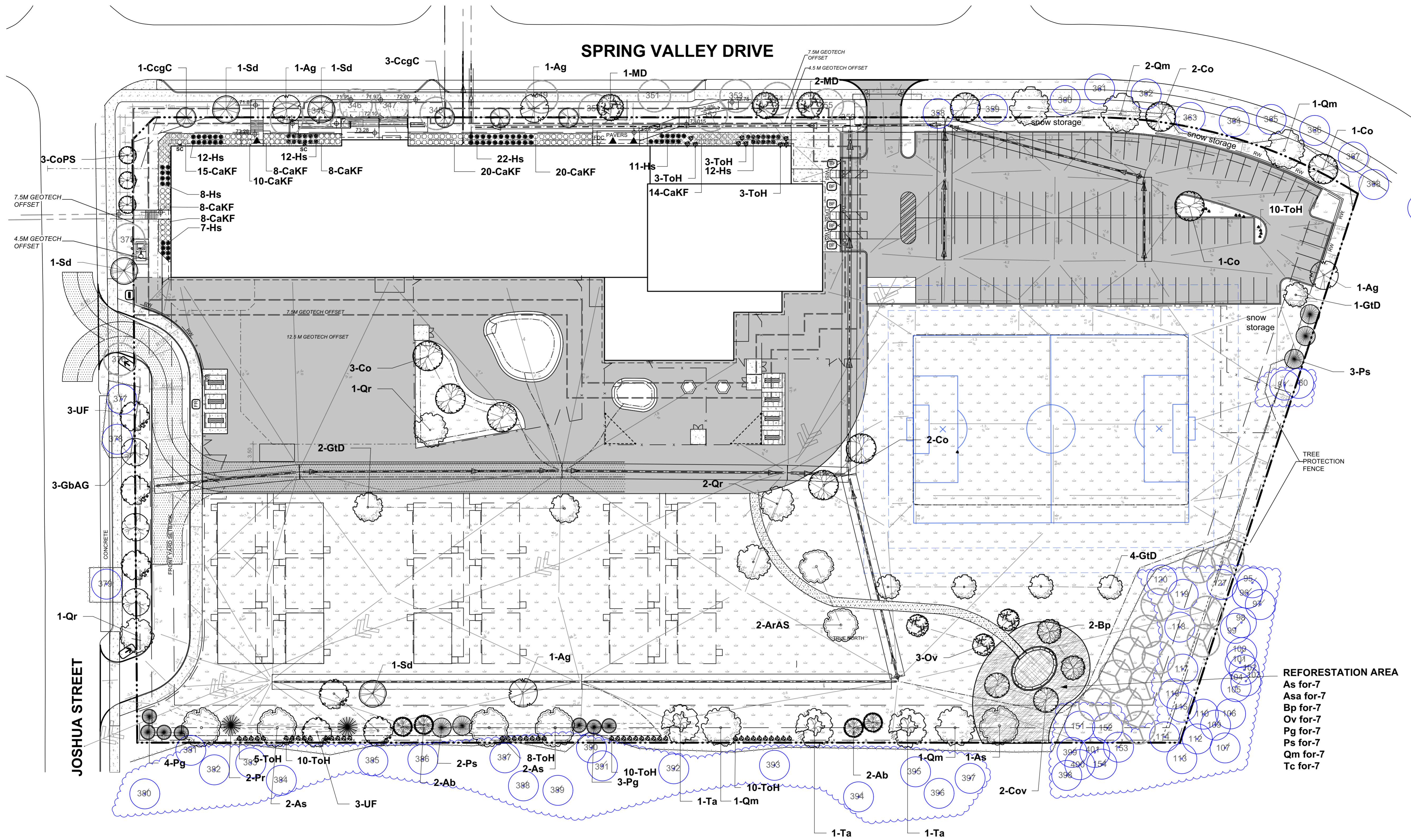
Ruhland & Associates Ltd
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SPRING VALLEY ELEMENTARY SCHOOL
OTTAWA-CARLETON DISTRICT SCHOOL BOARD
799 Spring Valley Drive,
Ottawa, ON K2J 6E6



LANDSCAPE / PLANTING PLAN

scale	1:400	drawn by	D.A.
date		checked by	M.R.
project number	N45	drawing number	L-01
RA	24-1743	revision	
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.			
DO NOT SCALE DRAWINGS			



REFORESTATION AREA
As for-7
Asa for-7
Bp for-7
Ov for-7
Pg for-7
Ps for-7
Qm for-7
Tc for-7

1 LANDSCAPE PLAN
L-01 Scale: 1:400

LEGEND

	PROPERTY LINE		EXISTING TREES TO BE PRESERVED
	PROPOSED CHAINLINK FENCE		EXISTING TREES TO BE REMOVED AND REPLACED ELSEWHERE
	PROPOSED C.I.P. CONCRETE		TRANSPLANTED TREE
	PROPOSED ASPHALT		PROPOSED PLANTING
	PROPOSED SOD		TREE PROTECTION FENCE
	PROPOSED STONEDUST PATH		
	PREPOSED EWF		
	PROPOSED REFORESTATION AREA		

Origin	ID	Qty	Botanical Name	Common Name	Scheduled St	Remarks
LARGE DECIDUOUS TREES						
Ntv	As	5	Acer saccharum	Sugar Maple	70mm caliper	WB, Staked
Ntv	Co	9	Celtis occidentalis	Common Hackberry	60mm caliper	WB, Staked
Ntv	Cov	2	Carya ovata	Shagbark Hickory	60mm caliper	WB, Staked
Non Ntv	GbAG	3	Ginkgo biloba 'Autumn Gold'	Autumn Gold Maidenhair Tree	70mm caliper	WB, Staked
Ntv	Qm	5	Quercus macrocarpa	Burr Oak	70mm caliper	WB, Staked
Ntv	Qr	4	Quercus rubra	Northern Red Oak	70mm caliper	WB, Staked
LARGE COLUMNAR DECIDUOUS TREES						
Ntv H	ArAS	2	Acer rubrum 'Autumn Spire'	Autumn Spire Red Maple	60mm caliper	WB, Staked
Ntv	CoPS	3	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	70mm caliper	WB, Staked
Ntv	GtD	7	Gleditsia triacanthos inermis 'Draves'	Streetkeeper Honeylocust	70mm caliper	WB, Staked
MEDIUM DECIDUOUS TREES						
Ntv	Ag	4	Aesculus glabra	Ohio Buckeye	50mm caliper	WB, Staked
Ntv	Bp	2	Betula papyrifera	Paper Birch, Canoe Birch	60mm caliper	WB, Staked
Non N	MD	3	Malus 'Dolgo'	Malus Dolgo	60mm caliper	WB, Staked
Ntv	Ov	3	Ostrya virginiana	Ironwood	50mm caliper	WB, Staked
Ntv	Sd	4	Sorbus Americana	Mountain Ash	45mm caliper	WB, Staked
Ntv	Ta	3	Tilia americana	Basswood	70mm cal.	WB, Staked
Non Ntv	UF	6	Ulmus minor x parvifolia 'Frontier'	Frontier Elm	70mm caliper	WB, Staked

Ntv	ID	Qty	Botanical Name	Common Name	Height	Remarks
SMALL DECIDUOUS TREES						
Ntv	CcgC	4	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspear Hawthorn	45mm caliper	WB, Staked
CONIFEROUS TREES						
Ntv	Ab	4	Abies balsamea	Balsam Fir	200 cm ht	WB, Staked
Ntv	Pg	7	Picea glauca	White Spruce	200 cm ht	WB, Staked
Ntv	Pr	2	Pinus resinosa	Red Pine	200cm ht	WB, Staked
Ntv	Ps	5	Pinus strobus	Eastern White Pine	200 cm ht.	WB, Staked

Shrubs	ToH	Qty	Botanical Name	Common Name	Height	Remarks
TREES UNDER CITY OWNERSHIP = 12						
UNDER PRIVATE OWNERSHIP = 71						
ToH	62	1	Thuja occidentalis 'Holmstrup'	Holmstrup Cedar	125cm ht	Potted
Perennials						
Hs	84	1	Helictrochon sempervernens	Ornamental Oats	3 year	Potted
CaKF	111	1	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	3 year	Potted

NOTE:
SITE SERVICING ELEMENTS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR SITE SERVICING / GRADING.
THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY. ADDITIONAL DETAILING AND SPECIFICATIONS ARE REQUIRED PRIOR TO TENDERING AND CONS.



PLAN TO BE READ IN CONJUNCTION WITH 'TREE CONSERVATION REPORT FOR 700 SPRING VALLEY, OTTAWA ON' JULY 08, 2024 BY Andrew K. Boyd, Certified Arborist #ON-0496A, IFS Associates.



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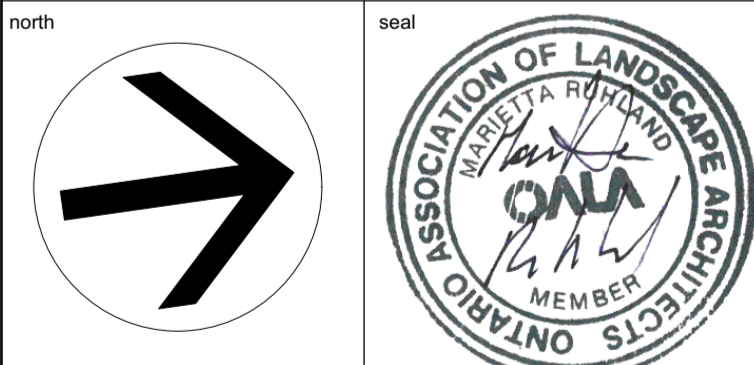
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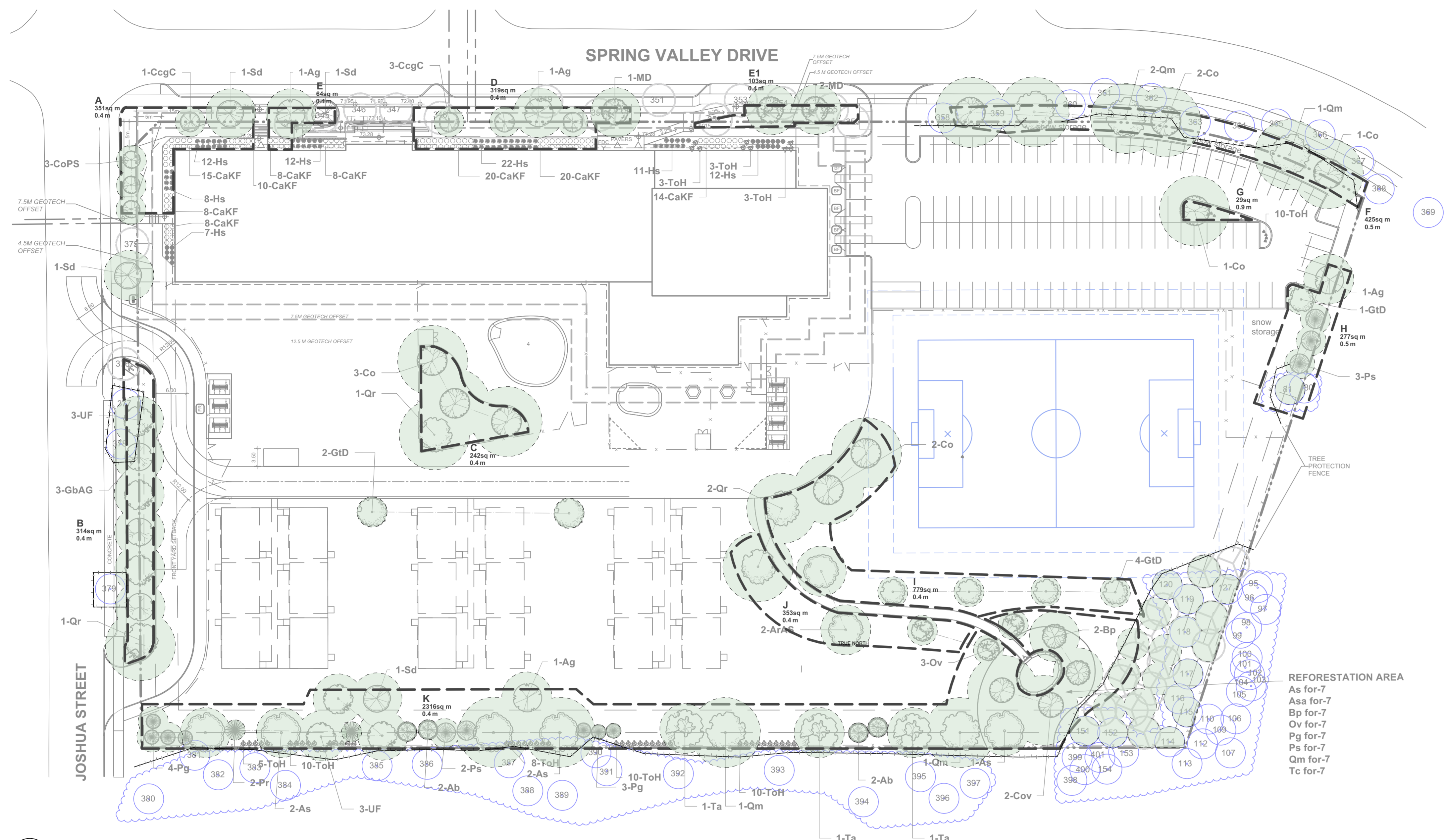
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drawing title	
CANOPY COVERAGE & SOIL VOLUMES	
scale 1:500	drawn by D.A.
date	checked by M.R.
project number N45	drawing number L-02
RA 24-1743	revision
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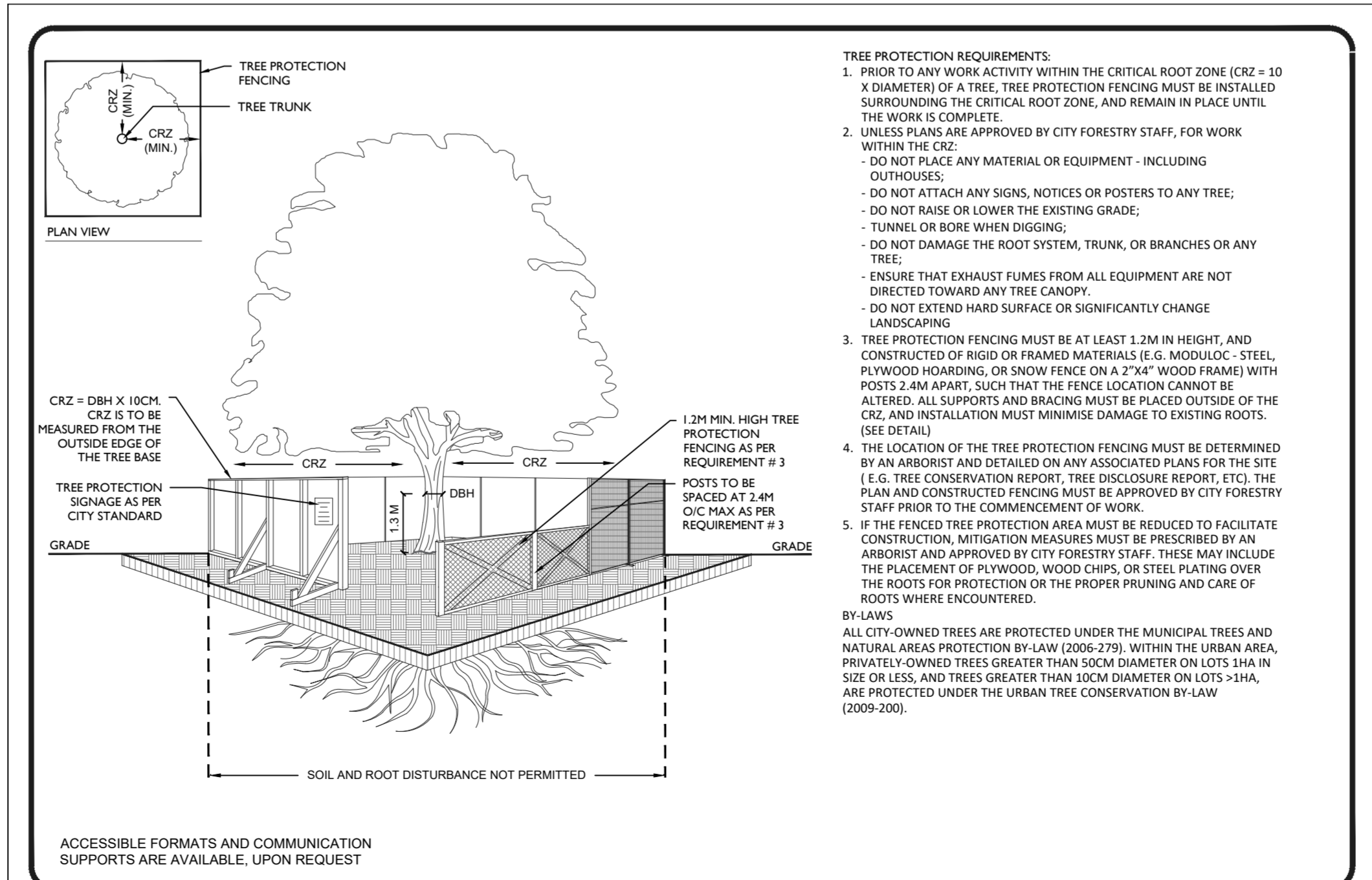
TREE CANOPY COVERAGE		
TOTAL CANOPY AREA	6471	m2
TOTAL SITE AREA	28345	m2
PERCENT COVERAGE	22.83%	



1 CANOPY COVERAGE & SOIL VOLUMES
L-02 Scale: 1:500

Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m ³)	Design Soil Volume	Soil Adequacy percentage
AREA A - 1 Medium, 1 Small, 3 L - Columnar Trees plant bed (351 sq m x 0.4 ave metre deep)	5	87.0	140.4	161%
AREA B - 1 Large, 6 Medium, 2 Ex. Trees plant bed (314 sq m x 0.4 ave metre deep)	8	144.0	125.6	87%
AREA C - 4 Large Trees plant bed (242 sq m x 0.4 ave metre deep)	4	72.0	96.8	134%
AREA D - 3 Small, 2 Medium Trees plant bed (319 sq m x 0.4 ave metre deep)	4	66.0	127.6	193%
AREA E - 1 Medium Tree plant bed (61 sq m x 0.7 ave metre deep)	2	36.0	42.7	119%
AREA E1 - 2 Medium Trees plant bed (103 sq m x 0.4 ave metre deep)	2	36.0	41.2	114%
AREA F - 6 Large, 3 Ex. Trees plant bed (425 sq m x 0.4 ave metre deep)	6	108.0	170.0	157%
AREA G - 1 Large Tree plant bed (29.5 sq m x 1.2ave metre deep)	1	30.0	35.4	118%
AREA H - 2 Medium Trees, 3 Conifers plant bed (277 sq m x 0.4ave metre deep)	5	90.0	110.8	123%
AREA I - 4 Large, 4 Medium Trees plant bed (779 sq m x 0.4ave metre deep)	17	306.0	311.6	102%
AREA J - 1 Large, 2 Medium Trees plant bed (353 sq m x 0.4ave metre deep)	3	54.0	141.2	261%
AREA K - 8 Large, 13 Medium Trees, 13 Con. plant bed (2316 sq m x 0.4ave metre deep)	28	504.0	926.4	184%

* 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



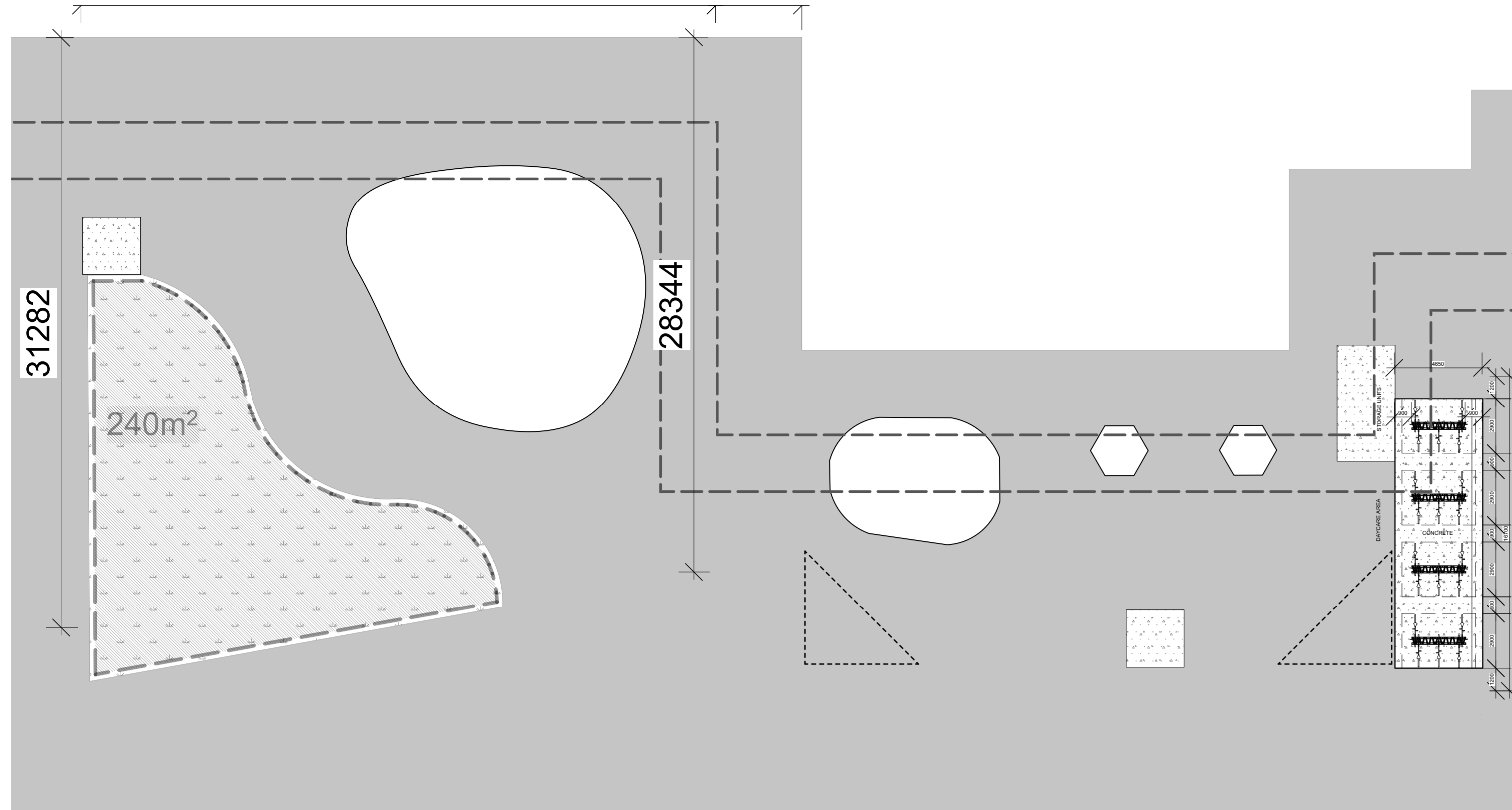
TREE PROTECTION SPECIFICATION

TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.

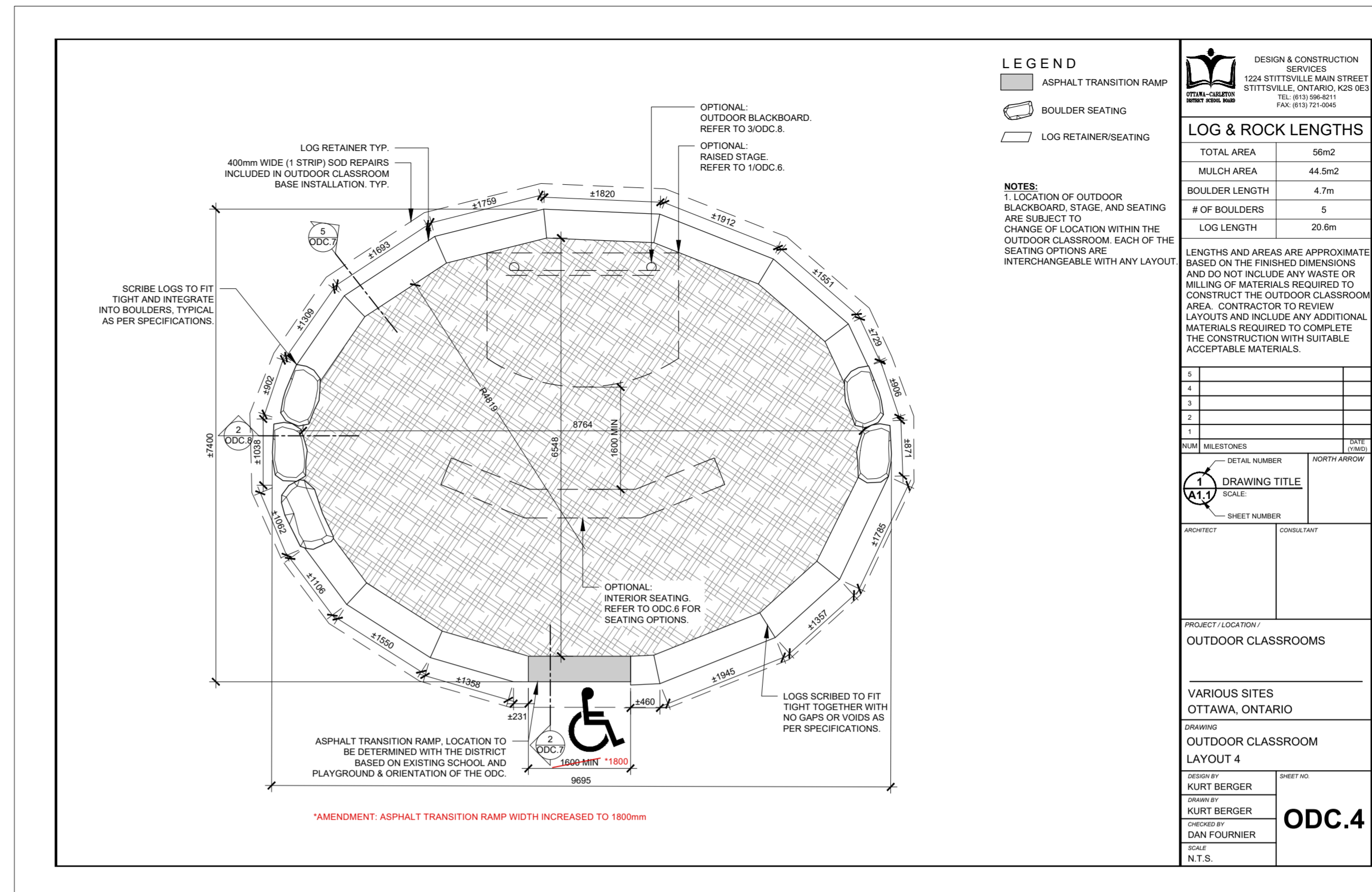
SCALE: NTS
DATE: MAY 2019
DRAWING NO.: 1 of 1



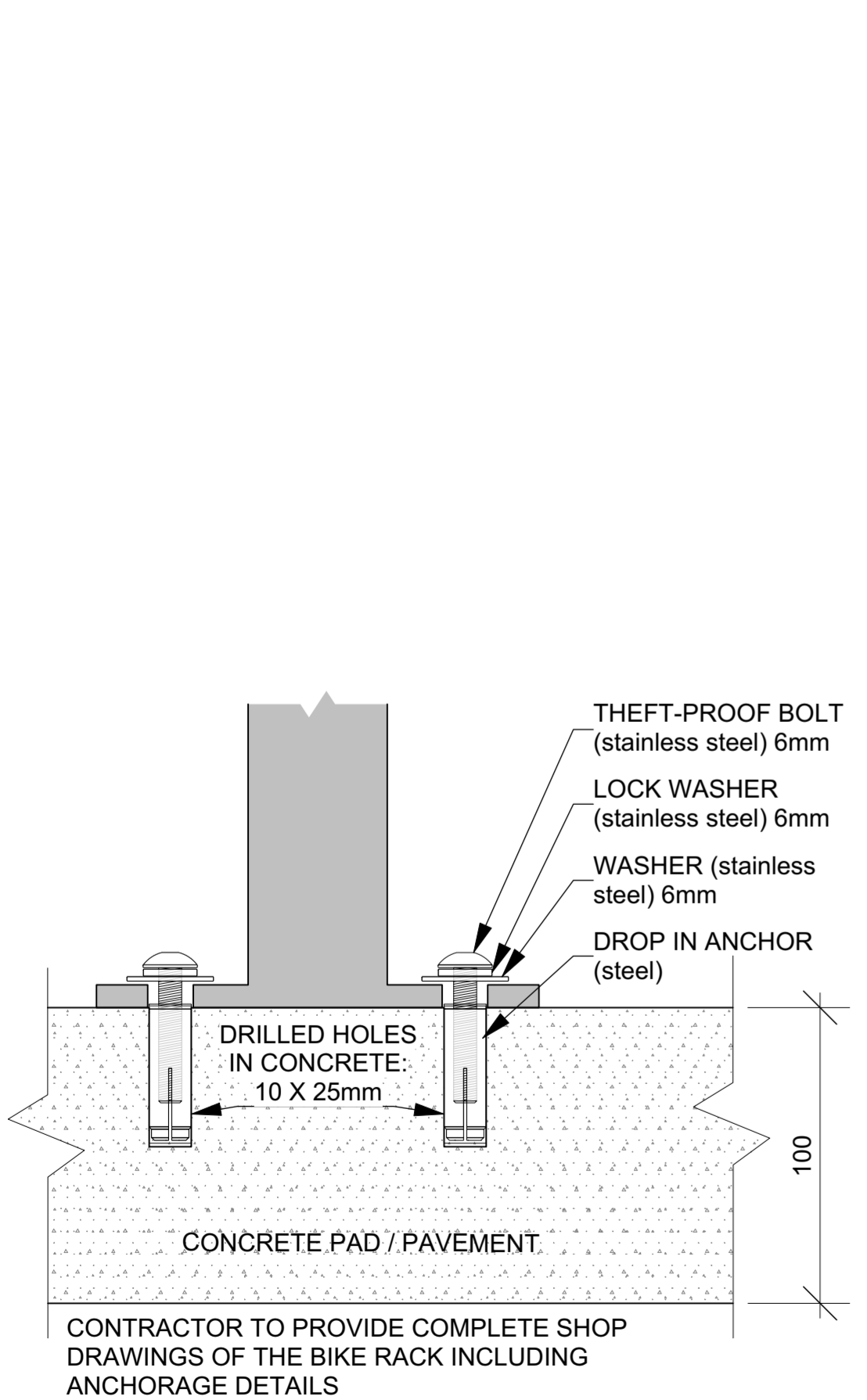
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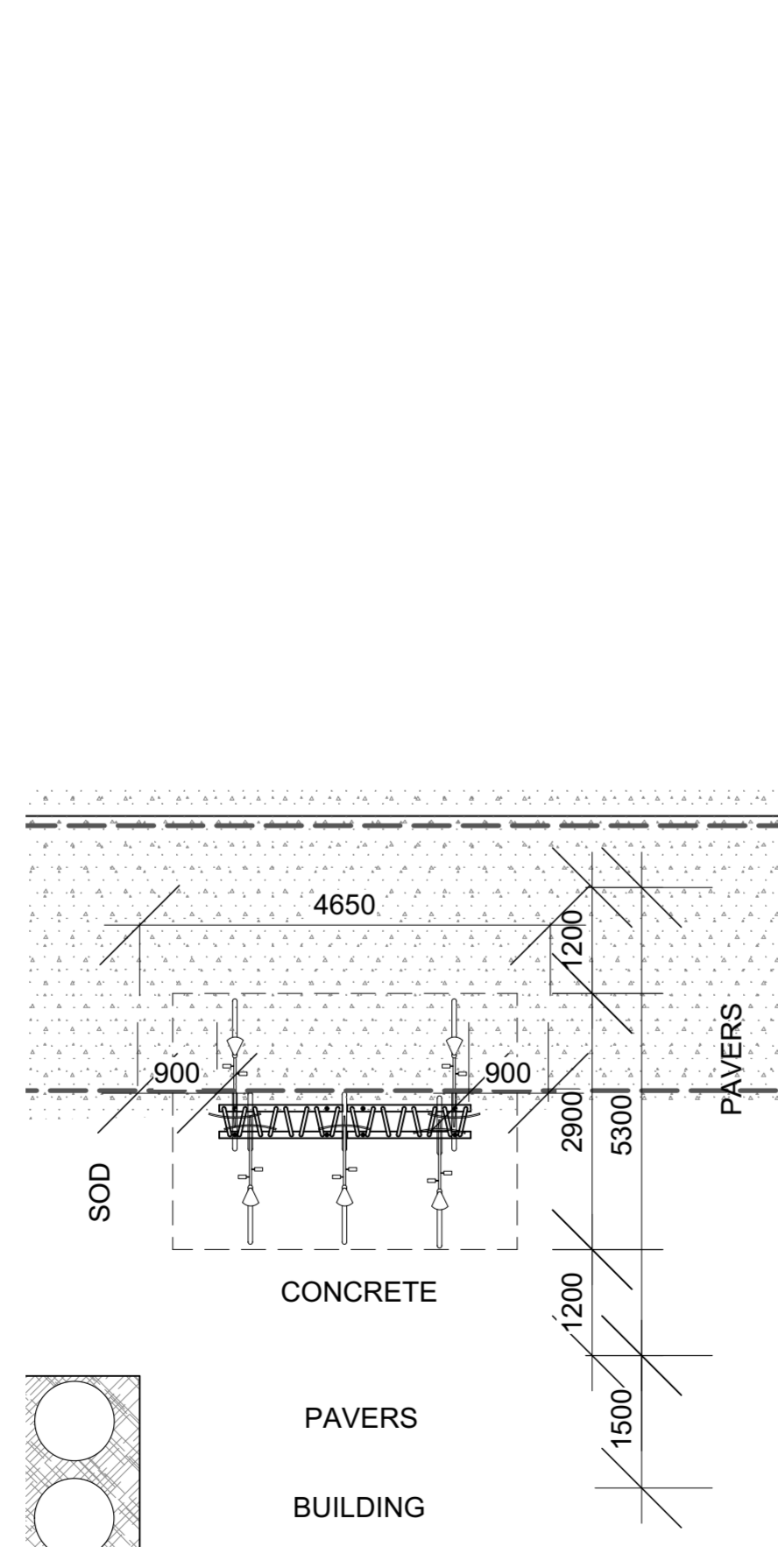
1 ENLARGEMENT - DAYCARE AND KINDERGARTEN AREAS
L-03 Scale: NTS



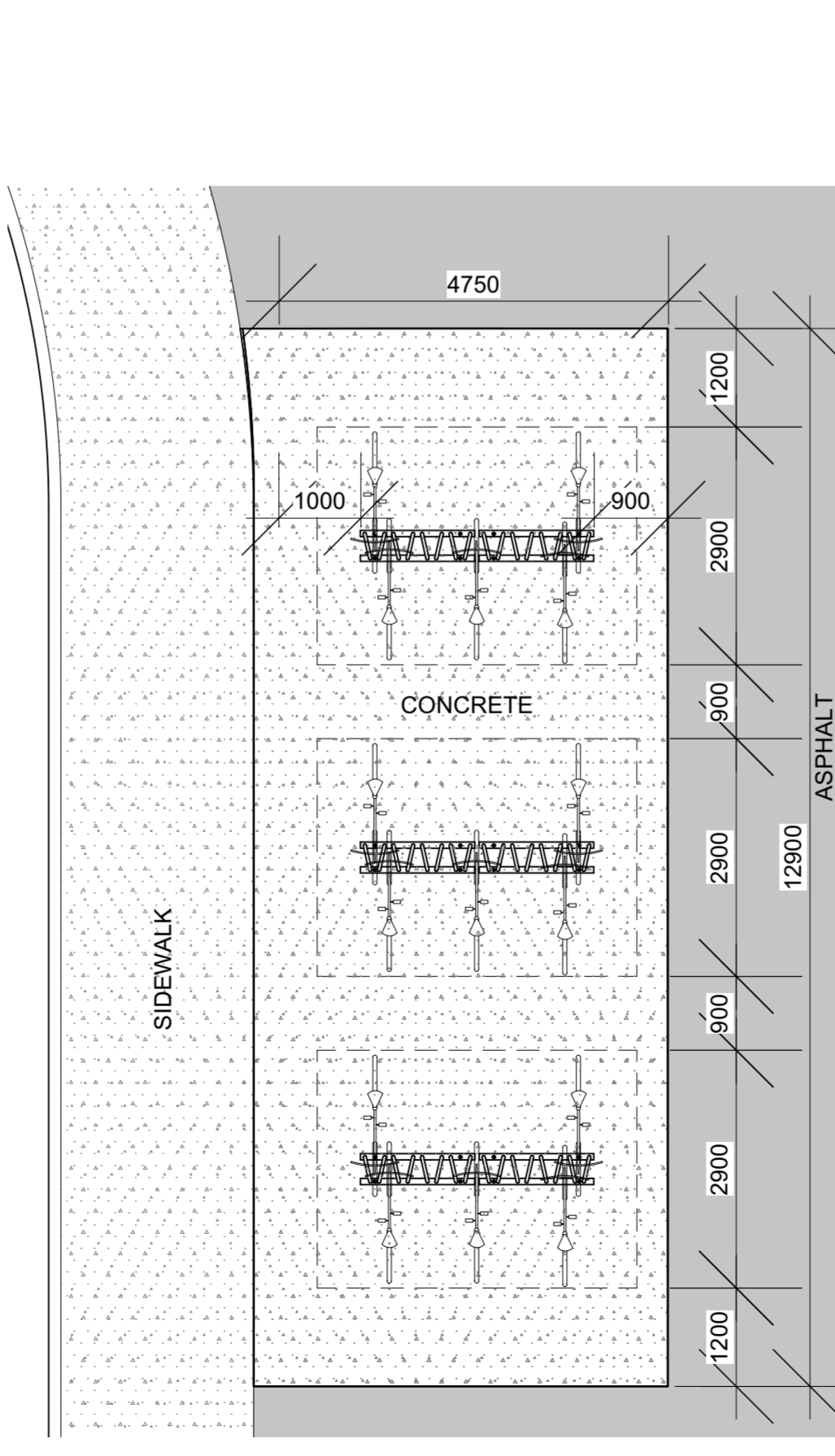
2 OUTDOOR CLASSROOM
L-03 Scale: NTS



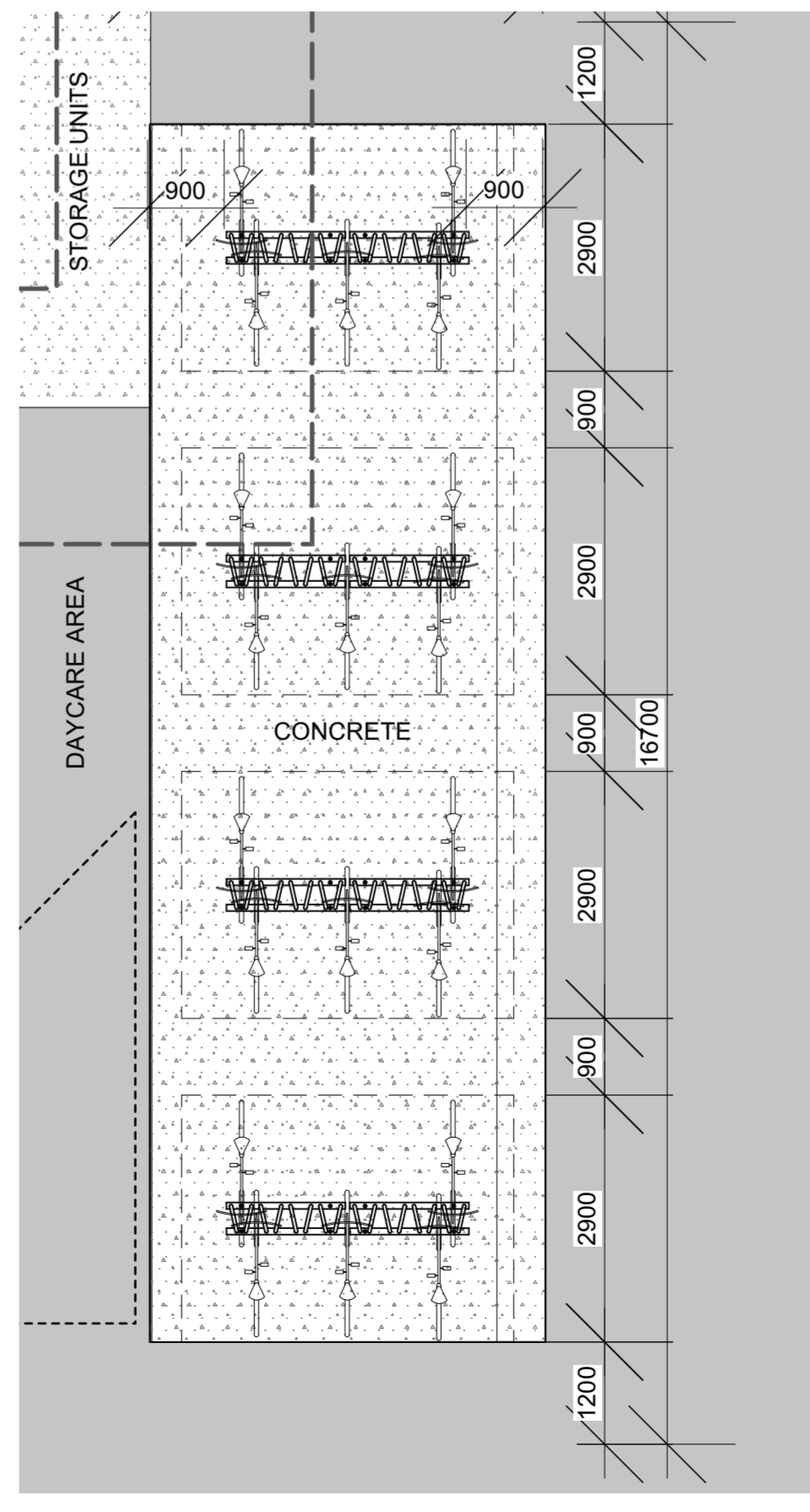
3 BIKE RACK ANCHORING
L-03 Scale: NTS



EN-1 ENLARGEMENT - BIKE RACK 1
L-03 Scale: NTS
2 BIKE RACKS - EQUIPARC EP5911-7; 15 BIKES



EN-2 ENLARGEMENT - BIKE RACK 2
L-03 Scale: NTS
6 BIKE RACKS - EQUIPARC EP5911-7; 45 BIKES



EN-3 ENLARGEMENT - BIKE RACK 3
L-03 Scale: NTS
8 BIKE RACKS - EQUIPARC EP5911-7; 60 BIKES



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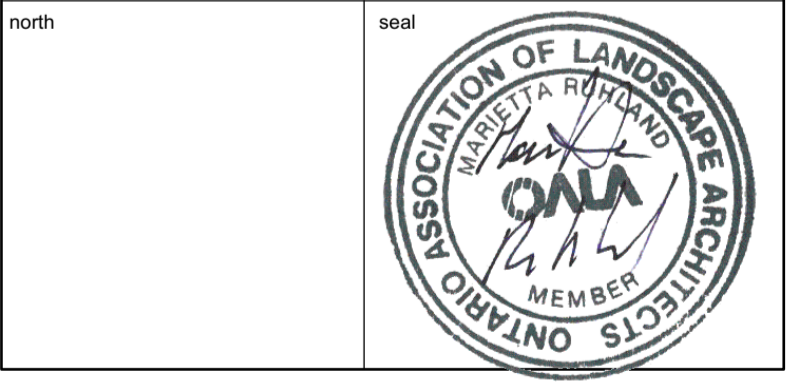
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drawing title
LANDSCAPE DETAILS

scale _____ drawn by D.A.
date _____ checked by M.R.
project number N45 drawing number RA 24-1743

L-03

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DOX-XX-XX-XXXX



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LANDSCAPE DETAILS

scale	drawn by	D.A.
date	checked by	M.R.
project number	drawing number	N45 - L-04
RA 24-1743	revision	
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DECIDUOUS TREE PLANTING

CONIFEROUS TREE PLANTING

NOTES:

- ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
- LOCATION AS SPECIFIED ON THE CONTRACT DRAWINGS

DATE: MAY 2001
REV: JAN 2017
DWG No: L2

VIEW PERPENDICULAR TO CURB

VIEW PARALLEL TO CURB

NOTES:

- ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
- CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL WITHOUT DISTURBING ROOTS
- LOCATION AS SPECIFIED ON THE CONTRACT DRAWINGS

DATE: MAY 2001
REV: JAN 2017
DWG No: L1

PERENNIAL AND ORNAMENTAL GRASS PLANTING

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- PLANTING SOIL MIXTURE AS PER SPECIFICATION.
- PROVIDE 100MM HIGH EARTH SAUCER AROUND PERENNIAL/GRASS BED.

DATE: JAN 2015
REV:
DWG No: L21

CONTINUOUS SHRUB BED PLANTING

NOTES:

- PLANTING SOIL MIXTURE AS PER SPECIFICATION.
- SHRUBS SPECIFIED BARE ROOTS (B.R.) TO BE PLANTED SO THAT ROOTS ARE FULLY EXTENDED IN PLANTING HOLE WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE
- PROVIDE 100 HIGH EARTH SAUCER AROUND SHRUB BED
- STAKES TO BE REMOVED AT COMPLETION OF TWO YEAR WARRANTY PERIOD

DATE: FEB 2013
REV: FEB 2014
DWG No: L17

UNIT PAVING - ON GRANULAR BASE

NOTES:

- THE LEVELING COURSE (BEDDING SAND) SHALL BE PLACED LOOSE, IN A UNIFORM LAYER AT A MAXIMUM DEPTH OF 25mm TO ACHIEVE THE FINAL COMPACTED THICKNESS AND GRADE AS SPECIFIED
- INSTALL SOLID EDGE RESTRAINT BETWEEN UNIT PAVERS AND ANY SOFT SURFACE (SOD, PLANTING BED, ETC.)
- UNIT PAVERS ARE THEN PLACED ON TOP OF THE LEVELING COURSE AND ADDITIONAL SAND SWEEPED BETWEEN THE UNIT PAVERS
- THE UNIT PAVERS ARE THEN VIBRATED INTO PLACE WITH A VIBRA-PLATE AND WATER IS ADDED TO ASSIST IN THE SETTLING OF THE JOINT SAND
- GRANULAR 'A' DEPTH TO BE 100mm FOR PEDESTRIAN AREAS AND 150mm FOR VEHICULAR ACCESSES. OR AS RECOMMENDED BY GEOTECHNICAL INVESTIGATION
- USE OF THIS DETAIL REQUIRES THE PRIOR APPROVAL OF THE GENERAL MANAGER

DATE: MAY 2001
REV: FEB 2016
DWG No: SC9

CHAINLINK FENCE

NOTES:

- ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
- IF FENCE IS TO BE BLACK VINYL, THE FENCE SHOULD BE 9 GAUGE GALVANIZED WIRE CORE WITH BLACK VINYL COATING TO PROVIDE A TOTAL OF 6 GAUGE THICKNESS
- POSTS, RAILS AND ALL OTHER HARDWARE SHOULD BE ELECTROSTATIC PAINTED
- CONCRETE FOOTING SHALL BE CSA 30MPa CLASS F-1

DATE: FEB 2013
REV: FEB 2019
DWG No: F9

ADDITIONAL NOTES FOR NUMBER 5: PRECAST PAVERS IN PEDESTRIAN AREAS WHERE NORMAL SNOW REMOVALS ARE DONE IS TO RECEIVE A MINIMUM 200mm GRANULAR 'A'. FURTHER ADJUSTMENTS TO BE SPECIFIED IN RELATION TO SITE CONDITIONS AND GEOTECHNICAL RECOMMENDATIONS.

TREE SOIL VOLUME REQUIREMENTS:

- STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE SOIL VOLUMES
- WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCTIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.
- REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.

DOX-XX-XX-XXXX