

640 COMPASS STREET

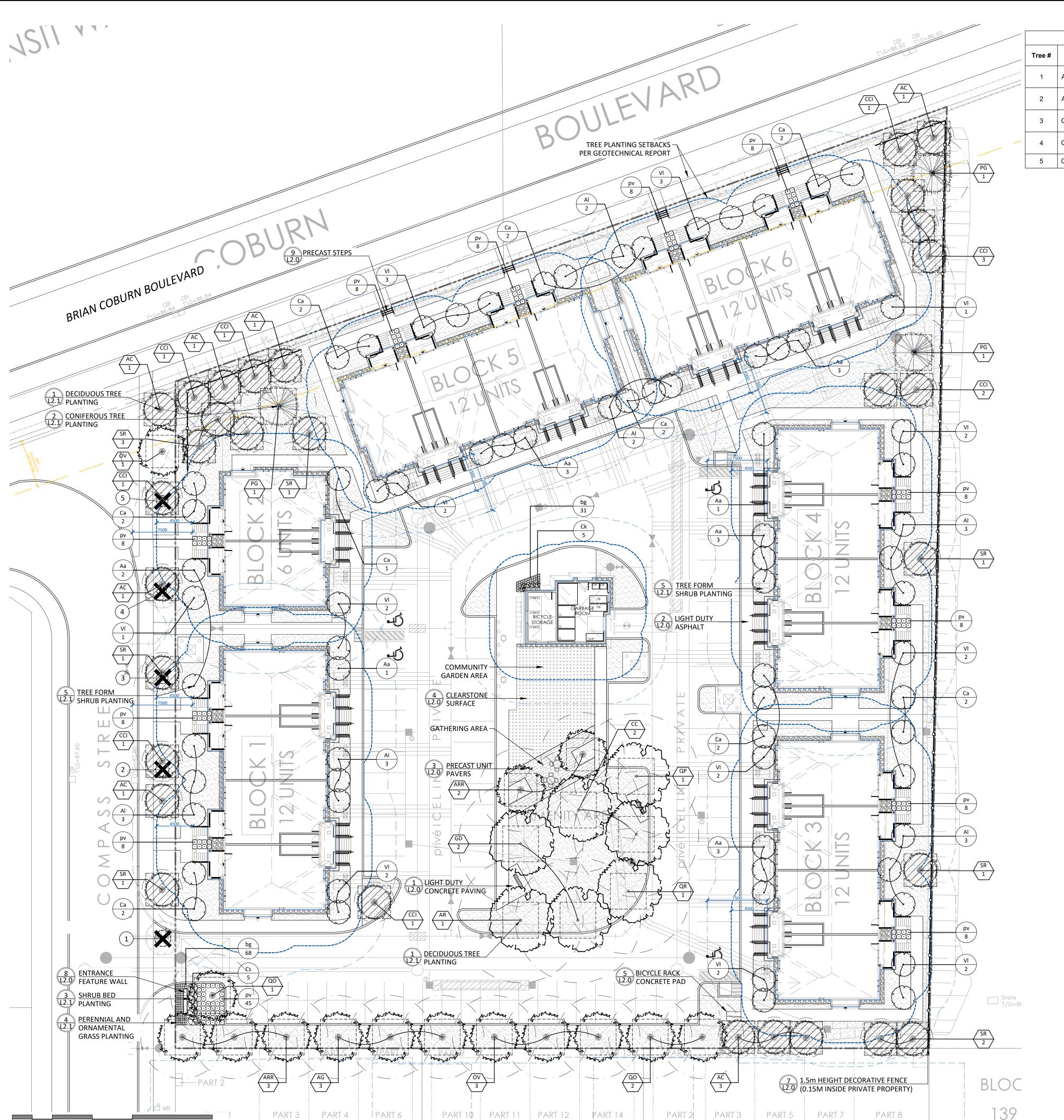




LIST OF DRAWINGS:

1.0 - LANDSCAPE SITE PLAN AND TREE CONSERVATION REPORT

L2.0 - LANDSCAPE DETAILS L2.1 - LANDSCAPE DETAILS



SCALE 1:200

		TREE CONSERVATION REPORT							
/	Tree #	Botanical Name	Common Name	DBH (cm)	Ownership	Condition	Notes	To Be Preserved	
1 1 1	1	Acer saccharum	Sugar Maple	11	City	GOOD	Symmetrical canopy, Die Back: ~5% @ crown, Single stem	NO	
	2	Acer saccharum	Sugar Maple	14	City	GOOD	Symmetrical canopy, Single stem, Bark damage @ root flare	NO	
	3	Quercus Bicolor	Swamp White Oak	12	City	GOOD	Symmetrical canopy, Single Stem, Co-dominant Leaders: 2@ ~3m above grade	NO	
1	4	Quercus Bicolor	Swamp White Oak	10	City	GOOD	Symmetrical canopy, Die Back: ~5% @ canopy, Single stem	NO	
	5	Quercus Bicolor	Swamp White Oak	12	City	GOOD	Symmetrical canopy, Single Stem	NO	

SOIL VOLUME	SINGLE	MULTIPLE	CLAY SOILS	TREE SOIL VOLUMES				
PROJECTIONS (NTS)* SMALL	3650	2830 J	4080	TREE TYPE/SIZE	SINGLE TREE SOIL VOLUME	MULTIPLE TREE SOIL VOLUME (m3/TREE)	SOIL VOLUME FOR MARINE CLAY AREAS (SINGLE TREE)	
	F===3	•	//	ORNAMENTAL	15	9		
MEDIUM/ CONIFER				COLUMNAR	15	9		
				SMALL	20	12	25	
	4080	3160	4470	MEDIUM	25	15	30	
	KJ		, ,	LARGE	30	18		
LARGE				CONIFER	25	15		
	4470	3465		*SOIL VOLU	JME CALCUL	ATION BASED ON 1	L.5m DEPTH	

CANOPY PROJECTIONS (NTS)		PROPOSED TREE CANOPY PROJECTIONS						
LARGE	har maken !	TREE TYPE/SIZE	CROWN AREA PER TREE STANDARD RANGE (m²)	CROWN AREA PER TREE USED FOR CALC. (m ²)		SITE CANOPY COVER		
·	· B	LARGE (7)	135-250*	192				
\		MEDIUM (15)	35-135*	85		CANOPY (W.		
MEDIUM	Merane	SMALL (25)	5-35*	20		OVERLAP): 1,835m ²		
		CONIFER (3)	45-96*	70				
	Fr somewhat &	PROPOSEI	STREET TREE	CANOPY PROJECTION	DΝ	S OVER SITE		
SMALL			T TREE CANOPY, m ² (SPECIES CANOPY AT I	CALCULATION BASED ON MATURITY		CANOPY (W. OVERLAP): 28m ²		
/	2000	*RANGE OF CROWN ARE	AS IS IN ACCORDANCE WITH	PROPOSED TREES SPECIES		SITE: 9,560m ²		
CONIFER	The state of the s	RESPECTIVE SPECIES. C VARIOUS ARBORICULTUI OF NATURAL RESOURCE	ANOPY SIZING HAS BEEN DE RAL AND BOTANICAL SOURC S & FORESTRY (OMNRF); US	MATURE CANOPY SIZE OF THE TERMINED IN REFERENCE TO SES, SUCH AS: ONTARIO MINISTRY FOREST SERVICE; FARRAR, J.L. JM, VARIOUS PUBLICATIONS		TOTAL PERCENT COVER: 19.49%		

<u>KEY</u>	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	NAT.	OWN
DECII	אוטווכ	TREES - LARGE (15-30M HEIGHT)					
AR		ACER RUBRUM	RED MAPLE	70mm	B&B	Υ	PRIVA
CC		CARYA CORDIFORMIS	BITTERNUT HICKORY	70mm	B&B	Y	PRIVA
GD		GYMNOCLADUS DIOICUS	KENTUCKY COFFEE TREE	70mm	B&B	Υ	PRIVA
QP	1	QUERCUS PALUSTRIS	PIN OAK	70mm	B&B	Υ	PRIVA
QR	1	QUERCUS RUBRA	RED OAK	70mm	B&B	Υ	PRIVA
DECII	DUOUS	TREES - MEDIUM (8-14M HEIGHT)					
AG		AESCULUS GLABRA	OHIO BUCKEYE	70mm	B&B	Υ	PRIVA
ARR		ACER RUBRUM 'REDPOINTE'	REDPOINTE RED MAPLE	70mm	B&B	N	PRIVA
OV		OSTRYA VIRGINIANA	IRONWOOD	50mm	B&B	Υ	CITY PRIVA
QO	3	QUERCUS PRINUS	CHESNUT OAK	50mm	B&B	Υ	PRIVA
DECII	NIOLIS	TREES CMALL (6 OM HEICHT)					
		TREES - SMALL (6-8M HEIGHT)					CITY
AC	9	AMELANCHIER CANADENSIS	SERVICEBERRY	50mm	B&B, TREE FORM	Υ	PRIVA
CCI	11	CRATAEGUS CRUSGALI 'INERMIS'	THORNLESS HAWTHORN	250cm, 15 GAL	PT, TREE FORM	N	PRIVA
SR	10	SYRINGA RETICULATA 'IVORY SILK'	JAPANESE LILAC	50mm	B&B, TREE FORM	N	CITY PRIVA
CONI	FFR∩II	S TREES					
PG		PICEA GLAUCA	WHITE SPRUCE	200cm	B&B	Υ	PRIVA
	3	TICEA GEAGEA	WITTE STROCE	2000111	DQD	<u>'</u>	11000
MUL	ΓISTEM	SHRUBS					
Aa	16	AMELANCHIER ALNIFOLIA 'REGENT'	SASKATOON SERVICEBERRY 'REGENT'	125cm HT	PT, CLUMP	N	PRIVA
Al	16	AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	125cm HT	PT, CLUMP	Υ	PRIVA
Ca	17	CORNUS ALTERNIFOLIA	PAGODA DOGWOOD	125cm HT	PT, CLUMP	Υ	PRIVA
VI	24	VIBURNUM LENTAGO	NANNYBERRY	125cm HT	PT, CLUMP	Y	PRIVA
DECII	DUOUS	SHRUBS					
Cs	5	CORNUS SERICEA 'FARROW'	ARCTIC FIRE WOOD	50CM, 3 GAL	POTTED	N	PRIVA
Ck	5	CORNUS SERICEA 'KELSYI'	KELSEY DWARD DOGWOOD	50CM, 3 GAL	POTTED	N	PRIVA
GRAS	SES/PF	RENNIALS					
bg		BOUTELOUA GRACILIS	SIDE OATS GRAMA	1 GAL	POTTED	Υ	PRIVA
pv		PANICUM VIRGATUM	SWITCHGRASS	1 GAL	POTTED	Y	PRIVA
TOT	TREE	SI7F	QUANTITY - PRIVATELY OWNE	D (47 TOTAL)	QUANTITY - CITY O'	WNED /S	R TOTAL
7	l	LARGE DECIDUOUS TREES 7 0					, I STAL
15		MEDIUM DECIDUOUS TREES 14 1					
30	SMALL DECIDUOUS TREES 23 7						
3		FEROUS TREES	3		0		

THE LANDSCAPE PLAN WAS PREPARED IN CONJUNCTION WITH THE GEOTECHNICAL REPORT AND MEMO(S) PREPARED BY PATERSON GROUP:

 REPORT PG6406-1 REV 1, DATED OCTOBER 10, 2024 MEMO PG6406-MEMO.01 REV 1, DATED APRIL 29, 2025

REFER TO SHEET L2.1 FOR TREE PLANTING IN MARINE CLAY SOILS NOTES.

Contractor shall check all dimensions on the work and report any discrepancy to the Landscape Architect before proceeding. All drawings and specifications are the property of the Landscape Architect and must be returned at the completion of the work. This

drawing is not to be used for construction until signed by the Landscape Architect.

PROPERTY LINE

GEOTECHNICAL FOUNDATION SETBACK (7.5m)

----- GEOTECHNICAL FOUNDATION SETBACK (4.5m)
(SMALL TREES ONLY) O/H SETBACK TO MEDIUM SIZE TREE (6.0m)

FENCING

PLANTING

LARGE DECIDUOUS TREE

MEDIUM DECIDUOUS TREE

SMALL DECIDUOUS TREE **CONIFEROUS TREE**

TREE FORM SHRUB DECIDUOUS/CONIFEROUS SHRUB

GRASSES/PERENNIALS SODDING PRECAST EDGER

LIGHT DUTY ASPHALT WALKWAYS PRECAST UNIT PAVERS

RIVERSTONE PAVING CRUSHED GRANITE

PAVING

PLANTING KEY QUANTITY SHRUB/PERENNIAL SPECIES

QUANTITY DETAIL KEY

TREE CONSERVATION REPORT

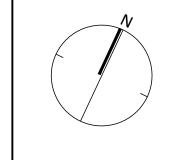
CRITICAL ROOT ZONE TREE IDENTIFICATION NUMBER TREE TO BE REMOVED

/	issued for Third Submission	25-07-24
6	Issued for Second Submission	25-05-27
5	Issued for Second Submission	25-05-16
4	Re-Issued for First Submission	25-01-02
3	Re-Issued for First Submission	24-12-18
2	Issued for First Submission	24-11-04
1	Issued for Client Review	24-10-25
No.	Description	Date

City Approval Stamp

PROPERTY INFORMATION
BLOCK 140 ON REGISTERED PLAN 4M-1544, PART 1 ON 4R-35191







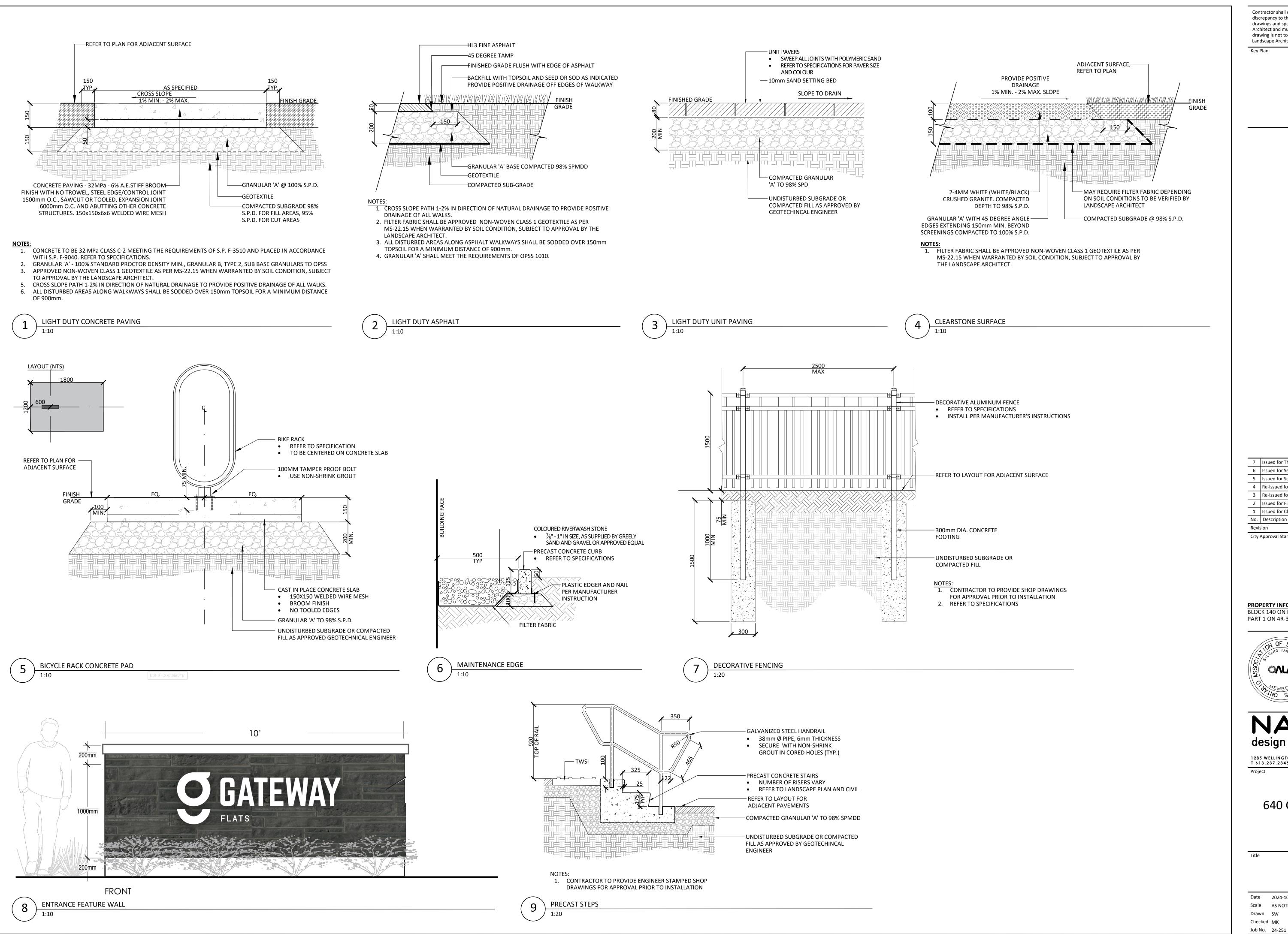
1285 WELLINGTON STREET, OTTAWA, ON K1Y 3A8 CANADA T 613.237.2345 NAKDESIGNSTRATEGIES.COM

640 COMPASS STREET OTTAWA, ON

> LANDSCAPE SITE PLAN AND TREE CONSERVATION REPORT

Date 2024-10-07 Scale 1:250 Drawn MK Checked MK

L1.0 Job No. 24-089



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Revis	sion	

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PROPERTY INFORMATION BLOCK 140 ON REGISTERED PLAN 4M-1544, PART 1 ON 4R-35191





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640 COMPASS STREET OTTAWA, ON

LANDSCAPE DETAILS

Date 2024-10-09 Scale AS NOTED

L2.0

-STAKE BEYOND EDGE OF ROOT BALL USING ONE (1) STAKE 2400mm (MIN) LONG. SECURE TRUNK IN THE DIRECTION OF PREVAILING WIND WITH ARBOR TIES. ARBOR TIE SHALL BE FASTENED IN A MANNER WHICH SUPPORTS TREE, AND ALLOWS FOR SLACK TO PERMIT SOME TRUNK MOVEMENT CANADIAN NURSERY & TRADES

REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT ASSOCIATION PRACTICE. DO NOT PRUNE LEADER. PRUNE ONLY WHEN TREE IS DORMANT.

ROOT COLLAR TO BE SET 100mm ABOVE FINISHED GRADE

-75mm SHREDDED MULCH AS PER SPECIFICATIONS

-CONSTRUCT 100mm SAUCER AROUND TREE BASE

TOPSOIL MIX, LIGHTLYCOMPACT AND WATER WELL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT

–CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 1/3 OF ROOT BALL WITHOUT DISTURBING ROOTS

-SCARIFY SURFACE OF SUBGRADE PRIOR TO PLANTING -MIN 150mm TAMPED MOUND

OF PLANTING SOIL TO PREVENT SETTLEMENT

> TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION. 2. SHRUBS SPECIFIED TO BE PLANTED SO THAT ROOTS ARE FULLY EXTENDED IN PLANTING HOLE WITH SOIL MIX BACKFILLED

CAREFULLY TO PREVENT ROOT DAMAGE 3. PROVIDE 100mm HIGH EARTH SAUCER AROUND SHRUB BED.

SHRUB BED PLANTING

CUT AND REMOVE BURLAP—

AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL

CONIFEROUS TREE PLANTING (ONE STAKE W/ARBOR TIES)

DIRECTED BY THE LANDSCAPE ARCHITECT.

1. REMOVE STAKE AFTER ONE YEAR OR UNTIL TAKEOVER UNLESS OTHERWISE

2. TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION

DECIDUOUS TREE PLANTING (ONE STAKE W/ARBOR TIES)

SCARIFY SUBGRADE SURFACE OF-

PERENNIAL AND ORNAMENTAL GRASS PLANTING

TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION.

PROVIDE 100mm HIGH EARTH SAUCER AROUND PERENNIAL/GRASS BED.

PLANTING BED PRIOR TO

COMPACTED SUBGRADE—

PLANTING

PRUNE (TO SUIT SPECIES) TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE. DO NOT PRUNE LEADER -STAKE BEYOND EDGE OF ROOT BALL USING ONE (1) STAKE 2400mm (MIN) LONG. SECURE AT MAIN BRANCH WITH ARBOR TIE OR APPROVED EQUAL -75mm DEPTH SHREDDED MULCH, PULL BACK MULCH FROM BASE OF TREE TRUNK, ENSURE THAT MULCH COVERS ALL EXPOSED SOIL

CONSTRUCT 100mm SAUCER AROUND

AND WATER WELL TO ELIMINATE AIR POCKETS

-SCARIFY SUBGRADE SURFACE OF PLANTING

-CUT AND REMOVE BURLAP AND WIRE

BASKET FROM TOP 2/3 OF ROOT BALL

-TOPSOIL MIX, LIGHTLY COMPACT

AND PREVENT SETTLEMENT

BED PRIOR TO PLANTING

MULTI-STEM TREE BASE

-PLANT PERENNIALS AND GRASSES 25mm HIGHER THAN

75mm SHREDDED MULCH, PULL

BACK MULCH FROM BASE OF

PLANT. ENSURE THAT MULCH

COVERS ALL EXPOSED SOIL

-CONTRUCT 100mm SAUCER

AND PREVENT SETTLEMENT

AROUND PERENNIAL / GRASS

ADJACENT GRADE

—TOPSOIL MIX, LIGHTLY COMPACT TO ELIMINATE AIR POCKETS REMOVE POTS COMPLETELY FROM POTTED STOCK OR CUT TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION. PROVIDE 100mm HIGH EARTH SAUCER AROUND SHRUB BED. AND REMOVE BURLAP AND WIRE FROM TOP 2/3 OF ROOT

-COMPACTED SUBGRADE STAKES TO BE REMOVED AFTER ONE YEAR OR UNTIL TAKEOVER UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT.

TREE FORM SHRUB PLANTING

TREE PRESERVATION / REMOVAL NOTES:

- TREES IDENTIFIED FOR RETENTION ARE IN MODERATE TO GOOD CONDITION AND CAN BE REASONABLY PROTECTED FROM CONSTRUCTION ACTIVITIES, GIVEN ADEQUATE TREE PROTECTION MEASURES AS DESCRIBED ARE TAKEN.
- 2. USE OF HYDRO VAC TECHNOLOGIES AND HAND PRUNING SHALL BE USED TO ENSURE A CLEAN INTERFACE FOR PROPER ROOT PRUNING BY A QUALIFIED ARBORIST (ISA CERTIFIED)
- 3. A QUALIFIED ARBORIST (ISA CERTIFIED) OR OTHER TREE PROFESSIONAL AS APPROVED BY THE CITY OF OTTAWA MUST PRUNE ROOTS OR BRANCHES THAT EXTEND BEYOND PRESCRIBED TREE PROTECTION ZONE AS REQUIRED. ALL PRUNING OF TREE ROOTS AND BRANCHES MUST BE IN ACCORDANCE WITH GOOD ARBORICULTURAL STANDARDS.
- 4. TREES SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT OR CITY FORESTER REGULARLY FOR DAMAGE INCURRED DURING CONSTRUCTION TO ENSURE APPROPRIATE PRUNING OR OTHER MEASURES ARE
- 5. THE AREAS WITHIN THE TREE PROTECTION ZONE MUST REMAIN UNDISTURBED AT ALL TIMES. NO WORK OR MATERIAL STORAGE IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
- TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR WILL BE REMOVED AND REPLACED WITH TREES OF AN EQUIVALENT SIZE AND SPECIES AS APPROVED BY THE LANDSCAPE ARCHITECT OR CITY
- 7. TREE PROTECTION FENCE MUST NOT BE REMOVED WITHOUT THE WRITTEN AUTHORIZATION OF THE
- 8. ALL DISTURBED AREAS TO BE RESTORED TO FINISHED CONDITION WITH 150mm TOPSOIL AND SOD OR SEED AS INDICATED.
- ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW REMOVAL WITH LANDSCAPE ARCHITECT AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
- 10. IF CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES IS SPECIFIED, FOLLOW
- APPROPRIATE DETAILS AS DIRECTED BY LANDSCAPE ARCHITECT. 11. INSTALL TREE PROTECTION FENCE TO SATISFACTION OF THE LANDSCAPE ARCHITECT. TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT OR UPON WRITTEN
- AUTHORIZATION FROM THE LANDSCAPE ARCHITECT. 12. INSTALLATION OF TREE PROTECTION FENCE SHALL BE LOCATED AT THE CRITICAL ROOT ZONE. CRITICAL ROOT ZONE: 10cm x DIAMETER AT BREAST HEIGHT (DBH) EXAMPLE: DBH = 30cm; CRZ = 300cm / 3.0m
- 13. THE FOLLOWING TREE PROTECTION MEASURES WILL BE PROVIDED TO ENSURE THE PRESERVATION OF THE TREES IDENTIFIED IN THE DETAILED TREE PLANTING AND CONSERVATION PLAN TO THE SATISFACTION OF FORESTRY SERVICES:
- 13.a. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE, PARK, BE REPAIRED OR REFUELLED; NOR SHALL CONSTRUCTION MATERIALS BE STORED OR ANY EARTH MATERIALS BE STOCKPILED; WITHIN THE TREE PROTECTION FENCE OR WITHIN THE CRITICAL ROOT ZONE OF ANY TREE. WASTE OR VOLATILE MATERIALS, SUCH AS MINERAL SPIRITS, OIL OR PAINT THINNER SHALL NOT BE DISPOSED OF ON
- 13.b. WHEN EXCAVATION MUST TAKE PLACE WITHIN THE CRITICAL ROOT ZONE OF A TREE, A TRENCH SHALL BE DUG CAREFULLY BY HAND OR WITH A ROOT-CUTTING (STUMP GRINDER) OR STONE CUTTING (CUT-OFF) MACHINE ALONG THE FURTHEST REACH OF THE CUT.
- IF ANY TREE ROOTS ARE EXPOSED DURING CONSTRUCTION, THEY SHALL BE IMMEDIATELY REBURIED WITH SOIL OR COVERED WITH FILTER CLOTH OR WOOD CHIPS AND KEPT MOIST UNTIL THEY CAN BE BURIED PERMANENTLY.

GENERAL NOTES:

- 1. ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK UNLESS OTHERWISE NOTED.
- 2. TREES TO HAVE A MINIMUM 1800 CLEAR STEM ABOVE GRADE.

REMOVE DAMAGED OR OBJECTIONABLE

BRANCHES, FOLLOW THE MOST RECENT

PRACTICE. DO NOT PRUNE LEADER

CANADIAN NURSERY & TRADES ASSOCIATION

-75mm DEPTH SHREDDED MULCH. PULL BACK

WITH SPECIES - V

REMOVE POTS COMPLETELY FROM POTTED STOCK OR CUT

AND REMOVE BURLAP AND WIRE FROM TOP 2/3 OF ROOT

-TOPSOIL MIX, LIGHTLY COMPACT ADD WATER TO WELL TO

ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT

-SCARIFY SUBGRADE SURFACE OF PLANTING BED

PRIOR TO PLANTING

MULCH FROM BASE OF SHRUBS. ENSURE

- 3. CONTRACTOR TO MAKE GOOD ALL EXISTING AREAS DAMAGED BY HIS WORK TO THE SATISFACTION OF THE CONTRACTOR.
- 4. ALL PLANT MATERIAL SHALL BE WARRANTIED FOR TWO YEARS FROM THE DATE OF SUBSTANTIAL
- 5. CONTRACTOR TO VERIFY LOCATION OF ALL SERVICES PRIOR TO ANY EXCAVATION.
- 6. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE AND ONLY AFTER APPROVAL OF THE LANDSCAPE ARCHITECT.

TREE PLANTING IN MARINE CLAY SOILS

THE LANDSCAPE CONSIDERATIONS CONTAINED WITHIN SEC. 6.8 OF PATERSON GROUP'S GEOTECHNICAL INVESTIGATION, DATED OCTOBER 10, 2024.

- 1. THIS LANDSCAPE PLAN CONFORMS WITH THE TREE-TO-FOUNDATION SETBACK, SOIL VOLUME, AND SURFACE-GRADING REQUIREMENTS OUTLINED IN THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), BASED ON THE FINDINGS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT BY PATERSON GROUP (REPORT PG6406-1 REV 1, DATED OCTOBER 10, 2024) AND SUBSEQUENT MEMO BY PATERSON GROUP (MEMO PG6406-MEMO.01 REV 1, DATED APRIL 29, 2025).
- 2. ADDITIONAL REQUIREMENTS OUTLINED IN THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), INCLUDING USF DEPTH, FOUNDATION WALL REINFORCEMENT, AND SUBDIVISION GRADING, SHOULD BE CONFIRMED BY THE PROJECT ENGINEER(S).
- 3. THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE
- 4. CITY OF OTTAWA: GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017): THE FOLLOWING GUIDELINES ARE PRIMARILY FOCUSED ON SMALL AND MEDIUM SIZE STREET TREES. HOWEVER, LARGE TREES (MATURE HEIGHT OVER 14M) CAN STILL BE PLANTED IN AREAS OF SMC SOILS PROVIDED A TREE TO FOUNDATION SETBACK EQUAL TO THE FULL MATURE HEIGHT OF THE TREE CAN BE PROVIDED (E.G. IN A PARK OR OTHER GREEN SPACE). FOR STREET TREES IN THE ROAD RIGHT-OF-WAY WHERE SMC SOILS HAVE BEEN IDENTIFIED, THE TREE TO FOUNDATION SETBACKS MAY BE REDUCED TO 4.5M FOR SMALL (MATURE TREE HEIGHT UP TO 7.5M) AND MEDIUM SIZE TREES (MATURE TREE HEIGHT 7.5M-14M)
- PROVIDED ALL OF THE FOLLOWING SIX CONDITIONS ARE MET: 4.1. THE MODIFIED PLASTICITY INDEX OF THE SOIL BETWEEN THE UNDERSIDE OF FOOTING (USF) AND A DEPTH OF 3.5M GENERALLY DOES NOT EXCEED 40%. THIS CORRESPONDS TO SOILS WITH LOW/MEDIUM POTENTIAL FOR SOIL VOLUME CHANGE. CLAY SOILS THAT EXCEED THE 40% PLASTICITY INDEX ARE CONSIDERED TO HAVE HIGH POTENTIAL FOR SOIL VOLUME CHANGE, FOR THESE WORST-CASE SOILS, THE SETBACKS AND TREE PLANTING RESTRICTIONS REMAIN UNCHANGED FROM THE 2005 CLAY SOILS POLICY (TREE SETBACK MUST EQUAL THE MATURE HEIGHT OF THE TREE - I.E. 7.5M SETBACK FOR SMALL TREES)
- 4.2. THE USF IS 2.1M OR GREATER BELOW THE LOWEST FINISHED GRADE. NOTE: THIS FOOTING LEVEL MUST BE SATISFIED FOR FOOTINGS WITHIN 10M OF THE TREE, AS MEASURED FROM THE CENTRE OF THE TREE TRUNK, AND VERIFIED BY MEANS OF THE GRADING PLAN AS INDICATED IN THE
- PROCEDURAL CHANGES BELOW. 4.3. A SMALL SIZE TREE MUST BE PROVIDED WITH A MINIMUM OF 25M3 OF AVAILABLE SOIL VOLUME, AS DETERMINED BY A LANDSCAPE ARCHITECT. A MEDIUM SIZE TREE MUST BE PROVIDED WITH A MINIMUM OF 30M3 OF AVAILABLE SOIL VOLUME, AS DETERMINED BY A LANDSCAPE ARCHITECT. THE DEVELOPER WILL ENSURE THE SOIL IS GENERALLY UNCOMPACTED WHEN BACKFILLING IN
- STREET TREE PLANTING LOCATIONS. 4.3.1. THE SOIL VOLUME CALCULATION MUST BE BASED ON A DEPTH OF 1.5M BELOW FINISHED GRADE (E.G. 5M LENGTH X 4M WIDTH AT SURFACE X 1.5M DEPTH = 30M3). IT MAY INCLUDE LANDS IN THE RIGHT-OF-WAY AND ON PRIVATE PROPERTY, BUT MUST SUBTRACT THE VOLUME OF SHALLOW UTILITY TRENCHES (I.E. VOLUME OF SHALLOW UTILITY TRENCHES CANNOT COUNT
- TOWARDS MINIMUM SOIL VOLUME). 4.4. THE TREE SPECIES MUST BE SMALL TO MEDIUM SIZE, AS CONFIRMED BY A LANDSCAPE ARCHITECT IN
- THE LANDSCAPE PLAN. 4.5. THE FOUNDATION WALLS ARE TO BE REINFORCED AT LEAST NOMINALLY (MINIMUM OF TWO UPPER AND TWO LOWER 15M BARS IN THE FOUNDATION WALL) TO PROVIDE DUCTILITY AS DESCRIBED IN
- THE GEOTECHNICAL REPORT. 4.6. GRADING SURROUNDING THE TREE MUST PROMOTE DRAINING TO THE TREE ROOT ZONE (IN SUCH A MANNER AS NOT TO BE DETRIMENTAL TO THE TREE), AS NOTED ON THE SUBDIVISION GRADING

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T 613.237.2345 NAKDESIGNSTRATEGIES.COM

640 COMPASS STREET

LANDSCAPE DETAILS

Date 2024-10-09 Scale AS NOTED Drawn SW

Checked MK Job No. 24-251