

Stantec Consulting Ltd.
300 - 675 Cochrane Drive, West Tower
Markham, Ontario L3R 0B8
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www.stantec.com



ISLINGTON AVENUE
STREETSCAPE PHASE 1 (IAS1)
Islington Avenue between Major
Mackenzie Drive and Pennon Road

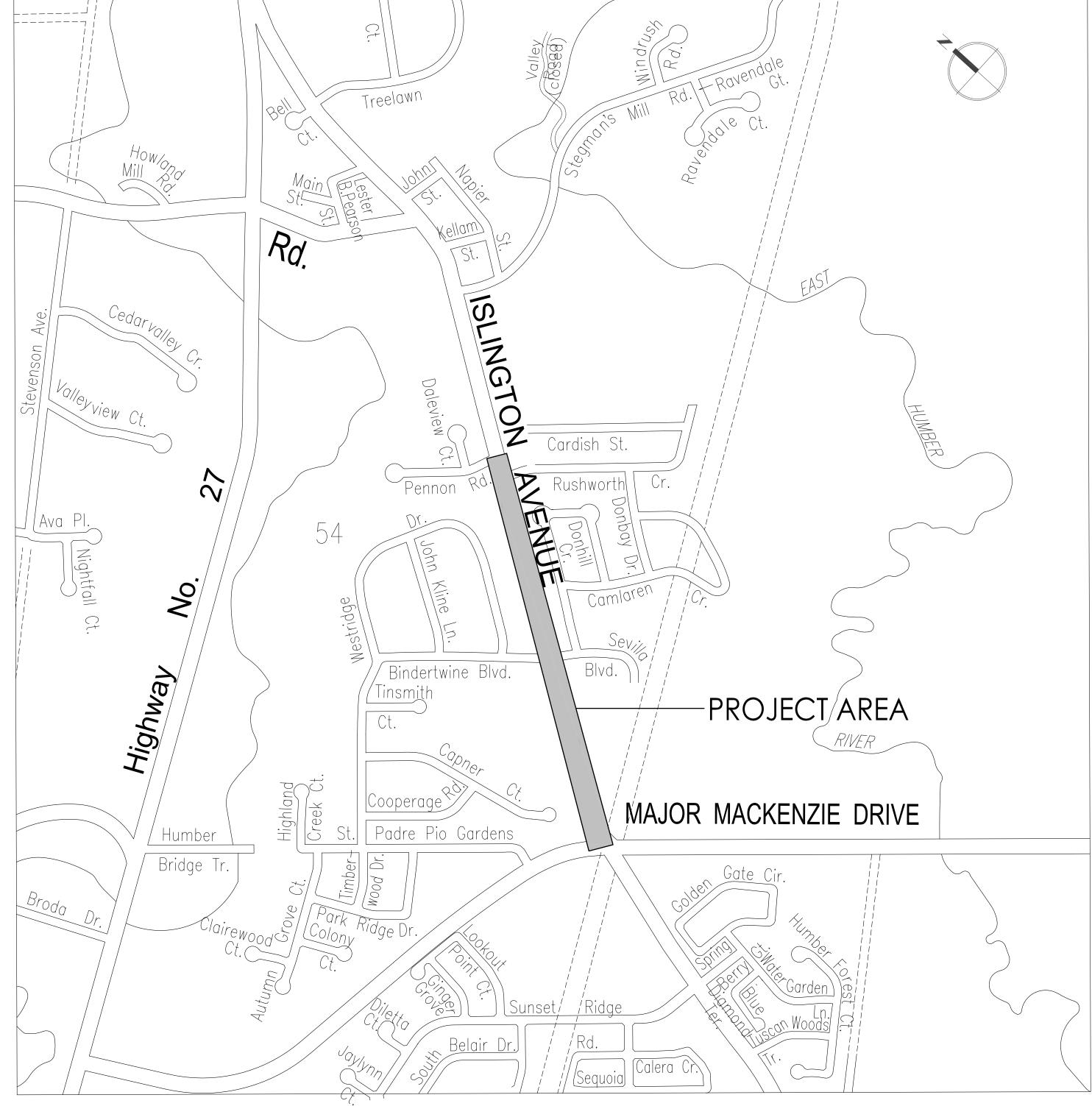
ISSUED FOR 100 % DESIGN DEVELOPMENT

City of Vaughan

April 2018

ORIGINAL SHEET - ARCH D

Stantec Project Number: 160622476

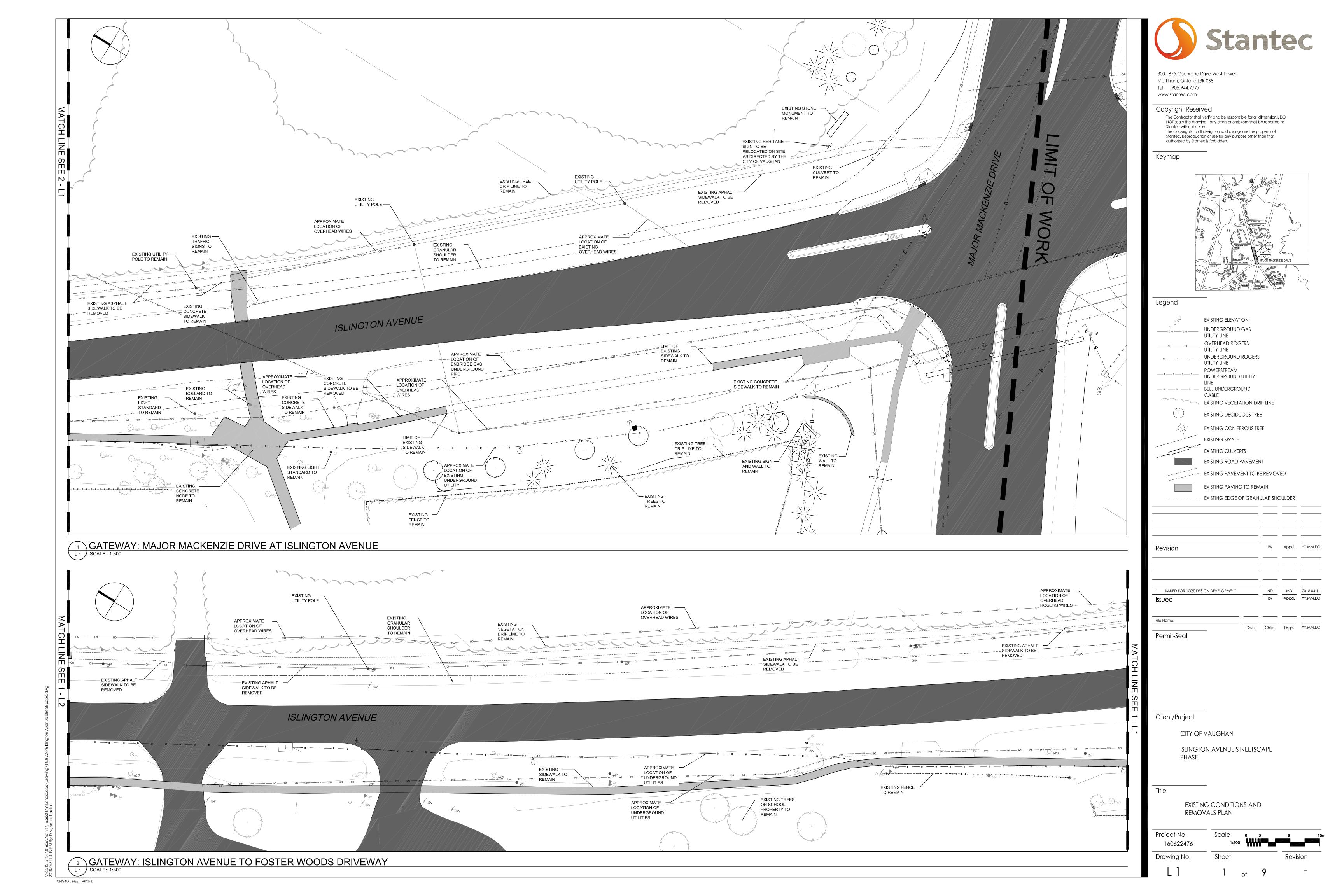


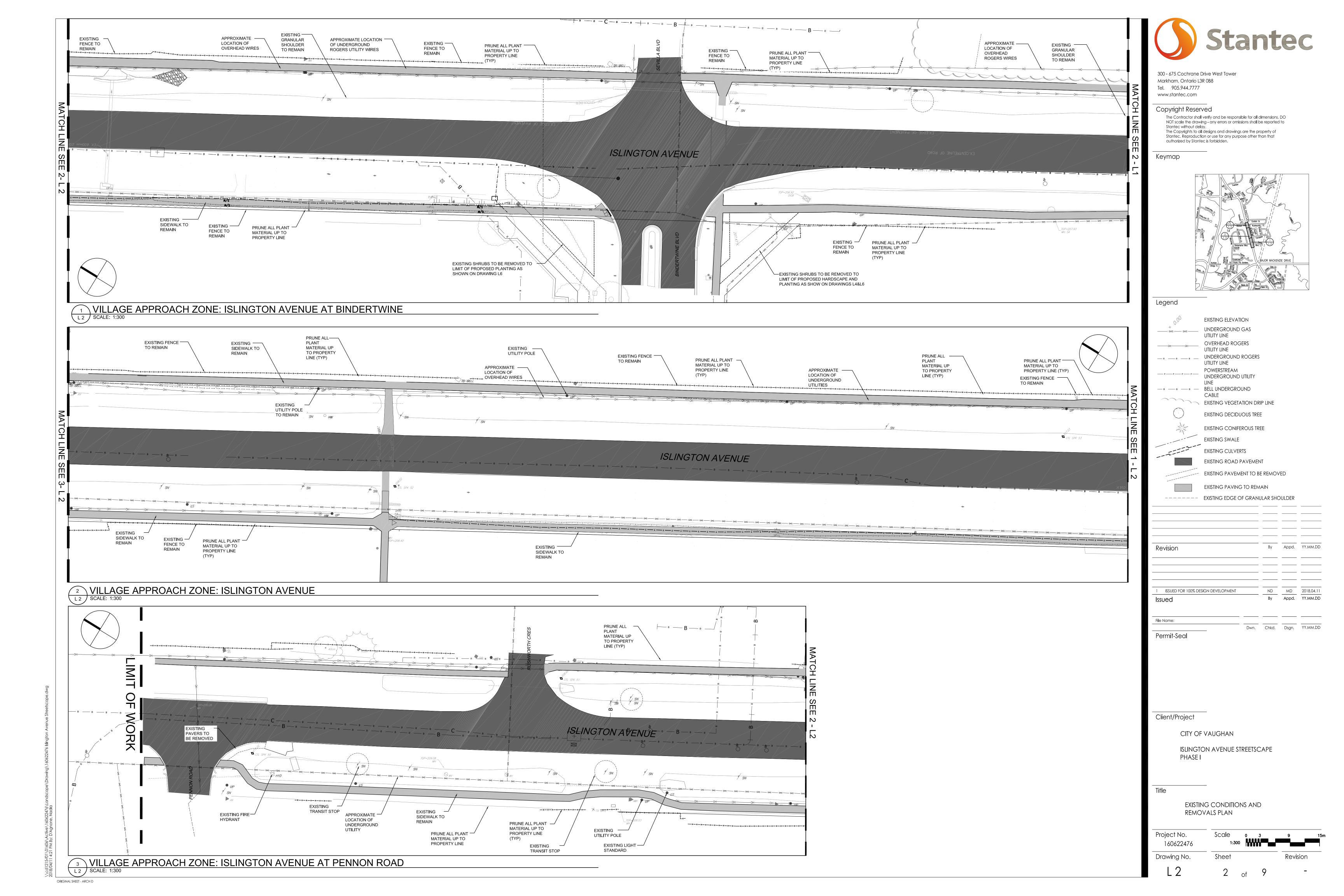
SITE LOCATION MAP

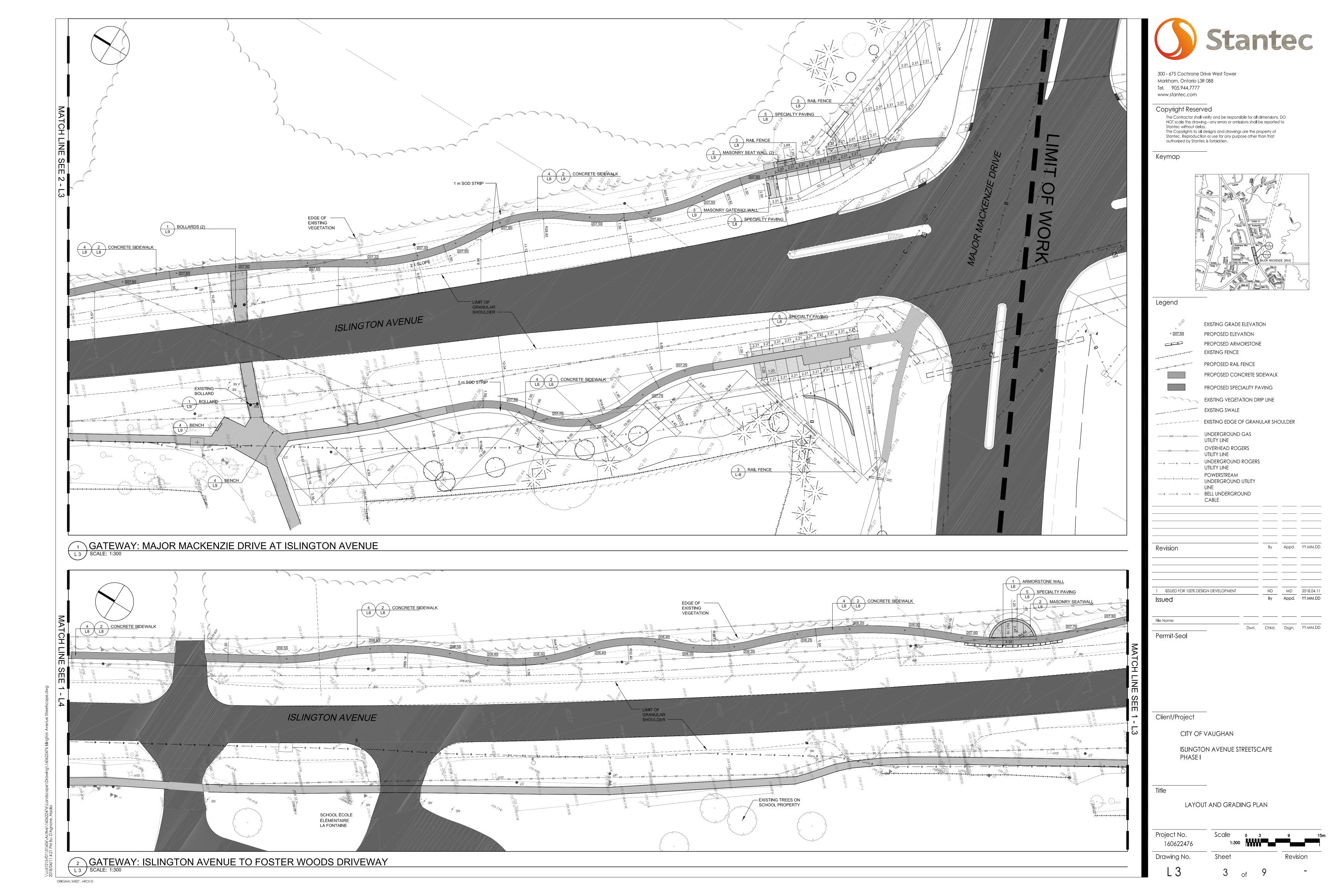
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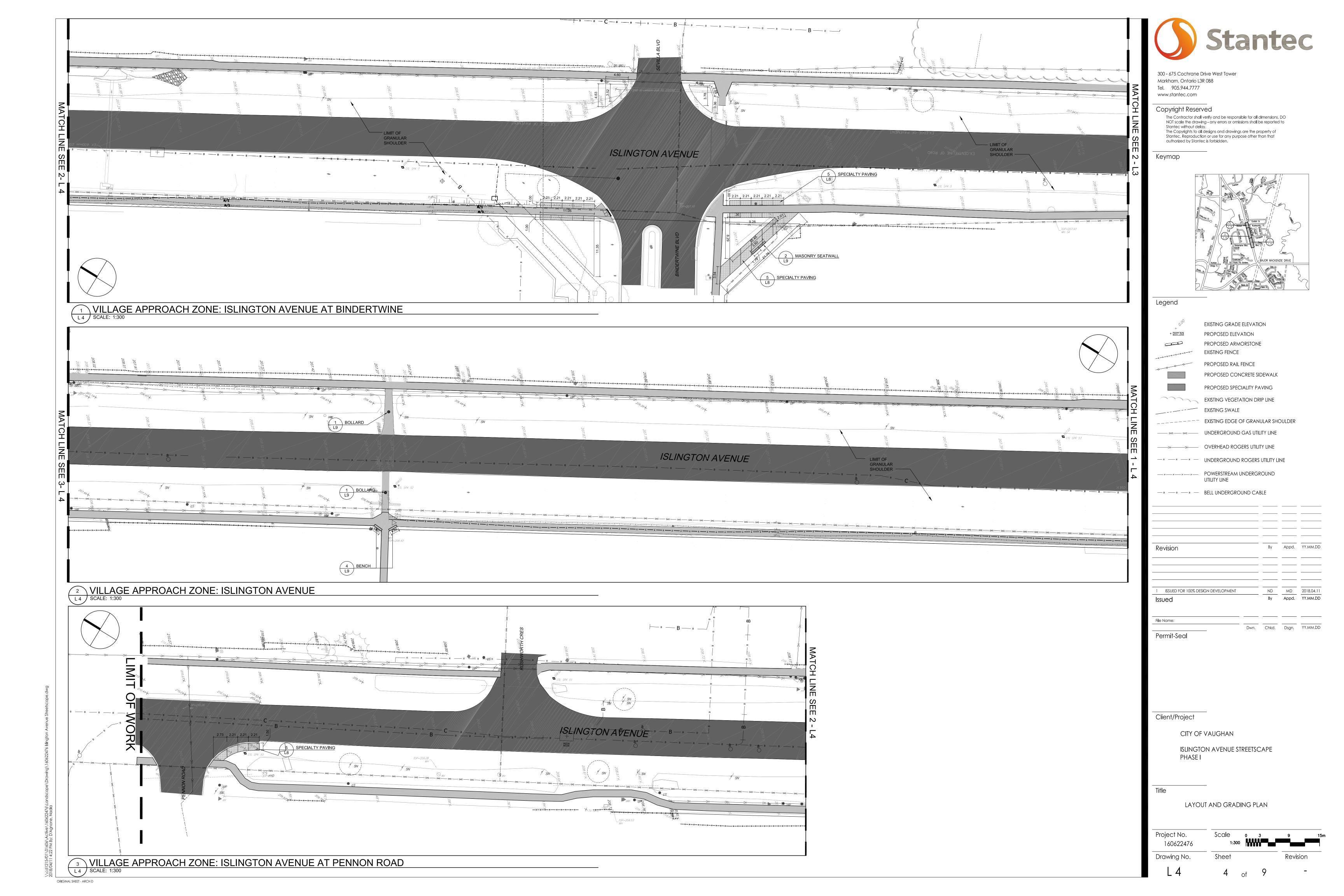
SHEET INDEX:

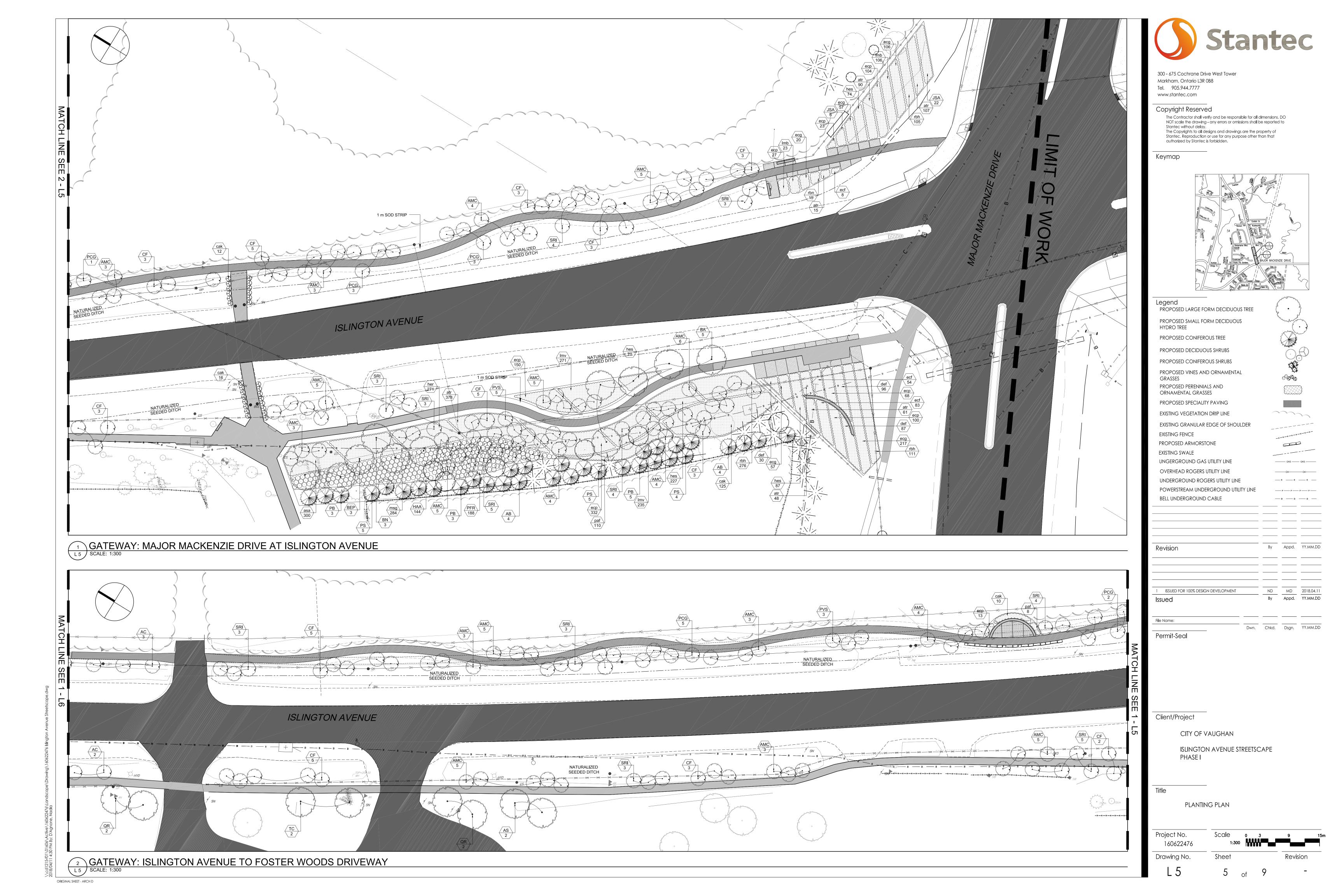
- LO COVER SHEET
- 1 EXISTING CONDITIONS AND REMOVALS PLAN
- _2 EXISTING CONDITIONS AND REMOVALS PLAN
- L3 LAYOUT AND GRADING PLAN
- L4 LAYOUT AND GRADING PLAN
- .5 PLANTING PLAN
- L6 PLANTING PLAN
- L7 LANDSCAPE DETAILS
- L8 LANDSCAPE DETAILS
- L9 LANDSCAPE DETAILS

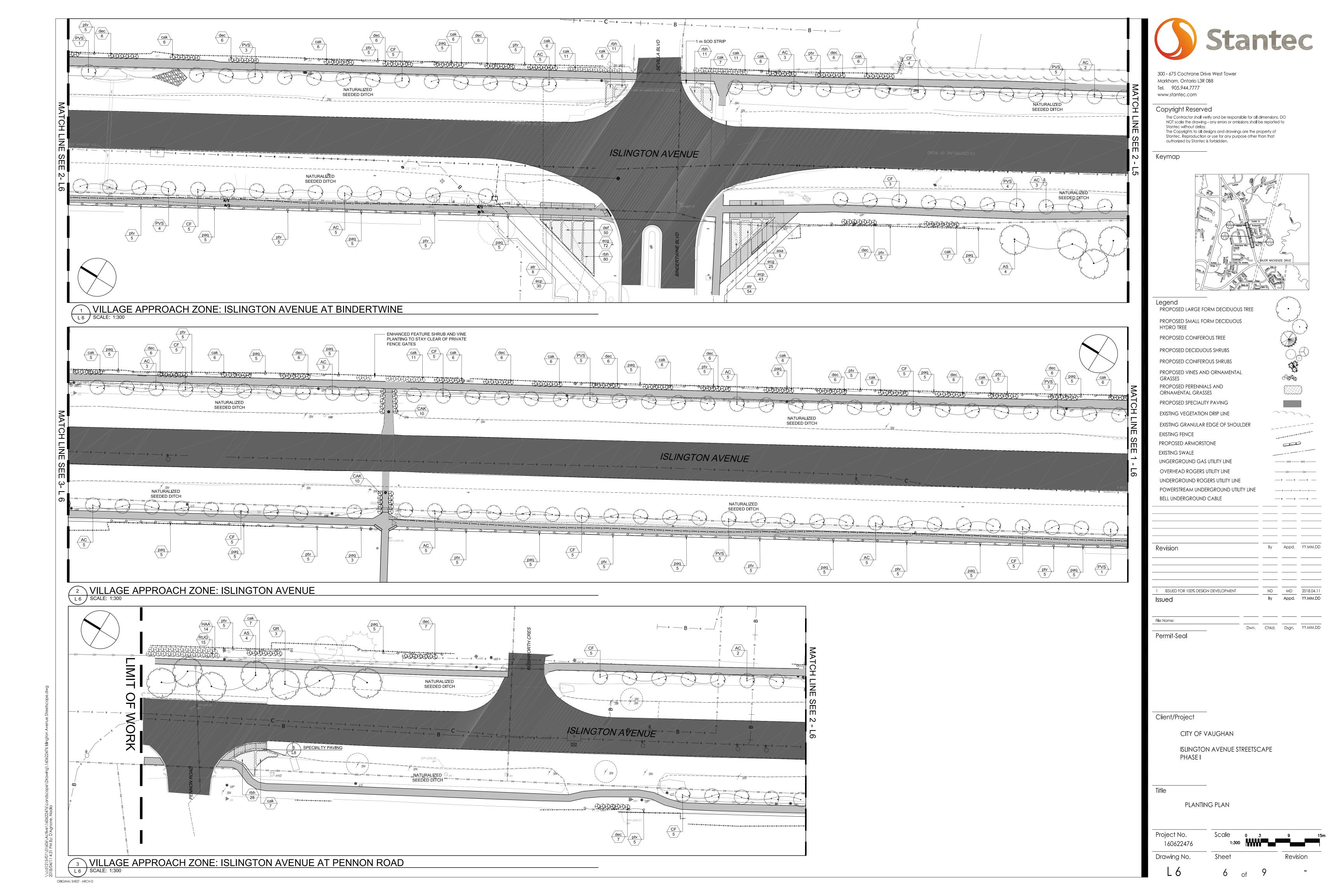


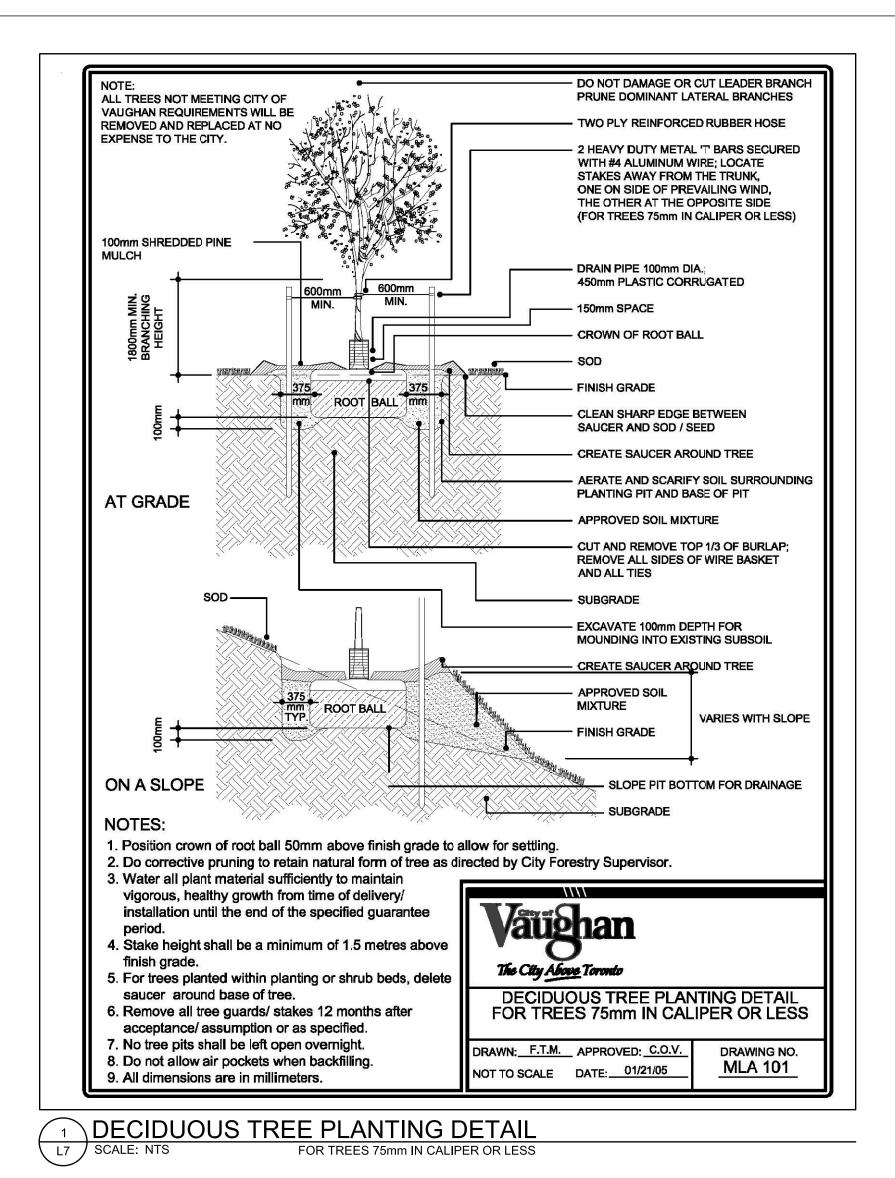


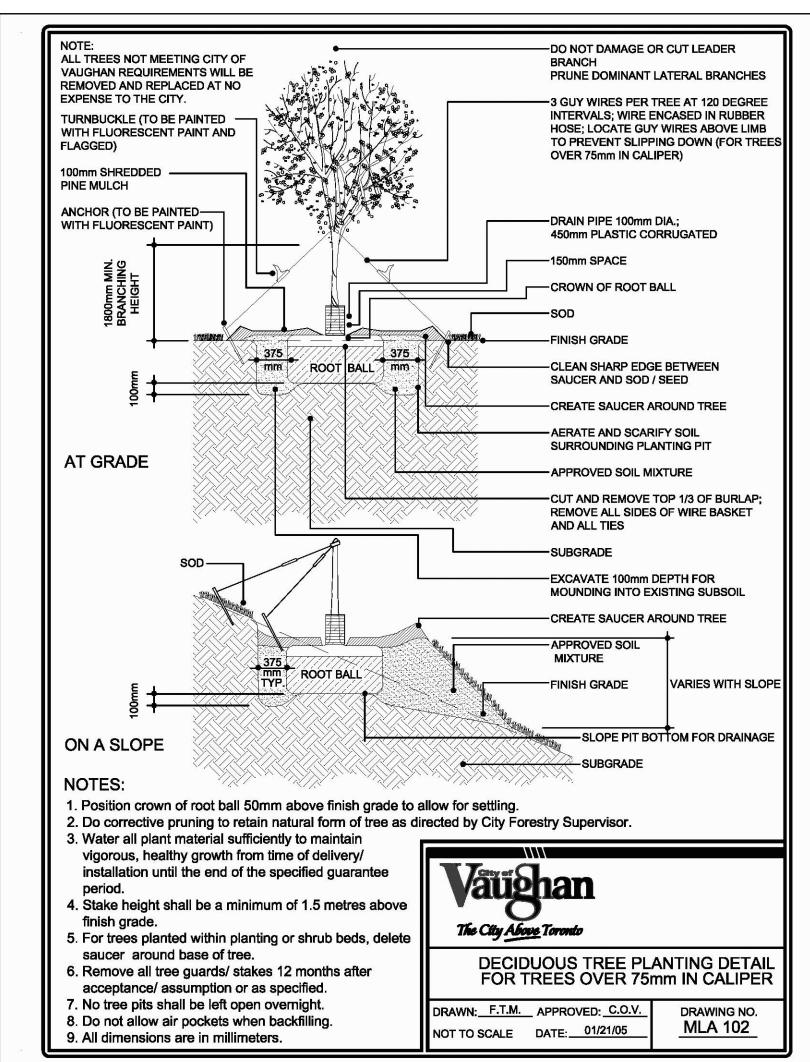




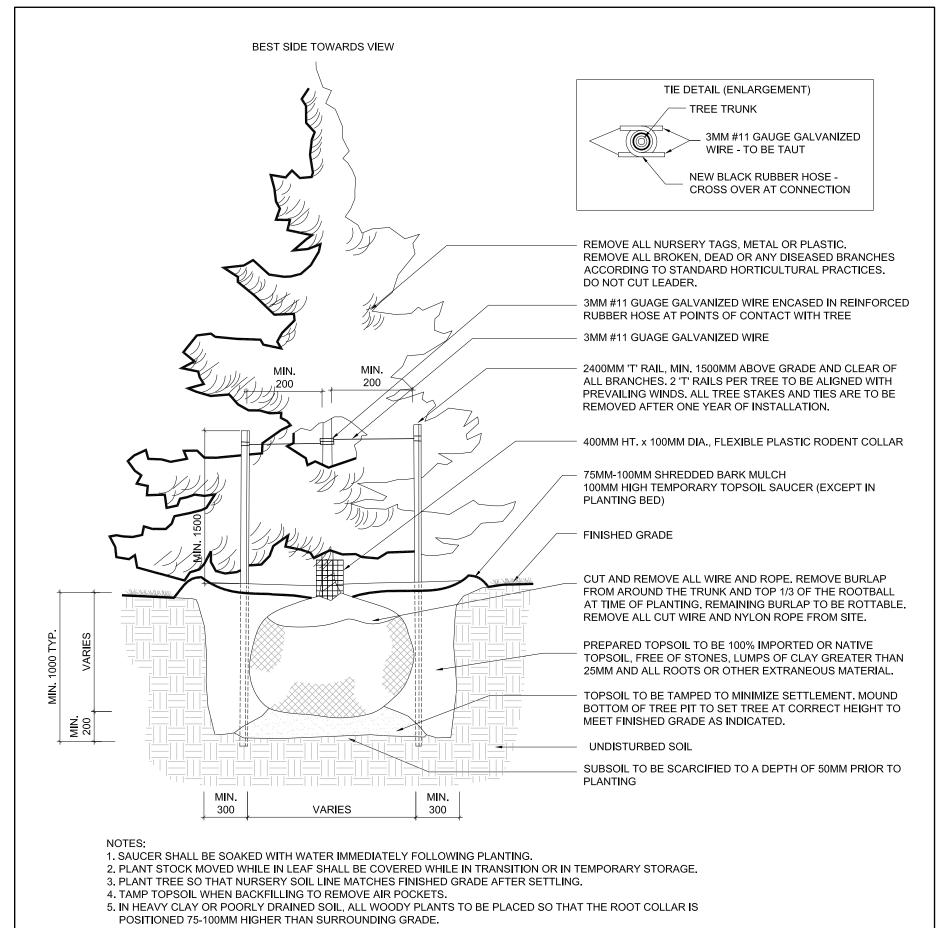






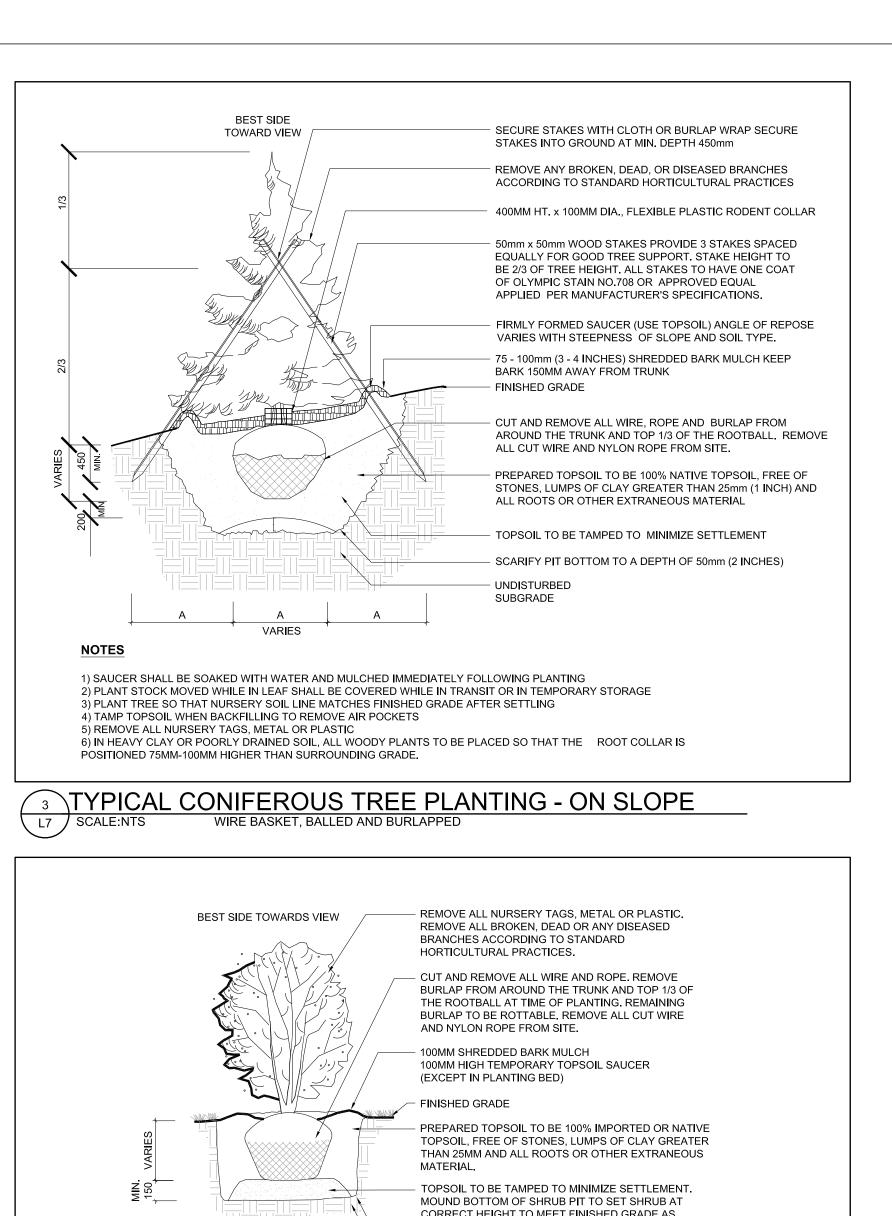


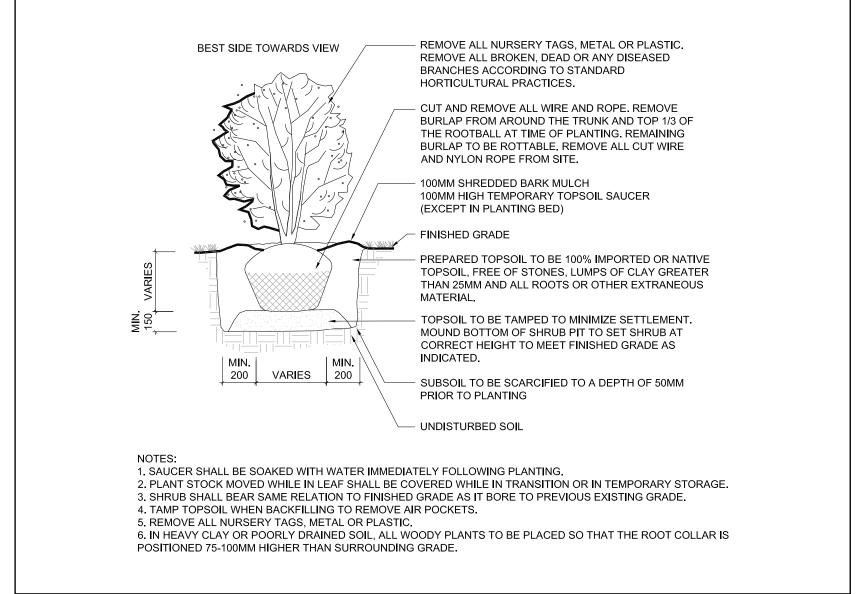
BOULEVARD TREE DETAIL - SECTION - ULA 202



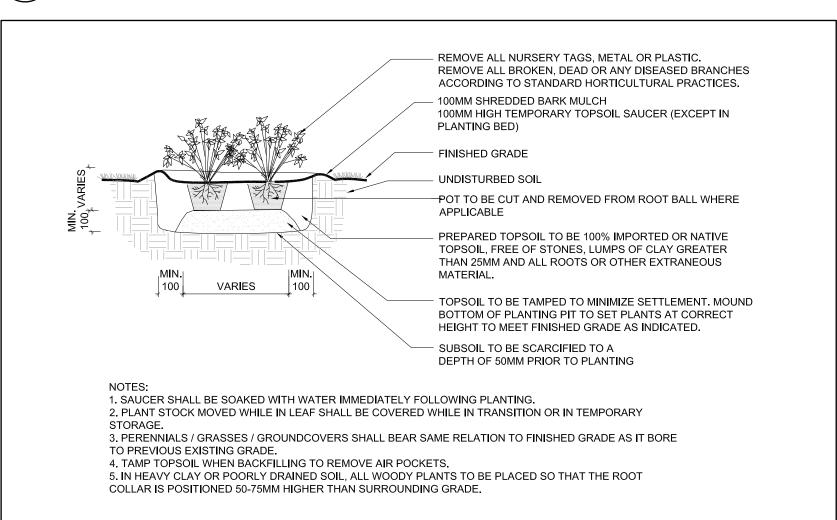
4 TYPICAL CONIFEROUS TREE PLANTING
L7 SCALE:NTS WIRE BASKET, BALLED AND BURLAPPED

REMOVE ALL NURSERY TAGS, METAL OR PLASTIC. REMOVE ALL BROKEN, DEAD OR ANY DISEASED BRANCHES ACCORDING TO STANDARD HORTICULTURAL PRACTICES. DO NOT CUT LEADER. LEAVE 150MM BETWEEN WALL AND PLANT STEM FOR AIR CIRCULATION. 100MM HIGH TEMPORARY TOPSOIL SAUCER (EXCEPT IN PLANTING BED) FINISHED GRADE POT TO BE CUT AND REMOVED FROM ROOT BALL WHERE APPLICABLE UNDISTURBED SOIL PREPARED TOPSOIL TO BE 100% NATIVE TOPSOIL, FREE OF STONES, LUMPS OF CLAY GREATER THAN 25MM AND ALL ROOTS OR OTHER EXTRANEOUS MATERIAL. TOPSOIL TO BE TAMPED TO MINIMIZE SETTLEMENT. MOUND BOTTOM OF PLANTING PIT TO SET PLANTS AT CORRECT HEIGHT TO MEET FINISHED GRADE AS INDICATED. SUBSOIL TO BE SCARCIFIED TO A DEPTH OF 50MM PRIOR TO 1. SAUCER SHALL BE SOAKED WITH WATER IMMEDIATELY FOLLOWING PLANTING. 2. PLANT STOCK MOVED WHILE IN LEAF SHALL BE COVERED WHILE IN TRANSITION OR IN TEMPORARY 3. VINES SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUS EXISTING GRADE. 4. TAMP TOPSOIL WHEN BACKFILLING TO REMOVE AIR POCKETS. 5. IN HEAVY CLAY OR POORLY DRAINED SOIL, ALL WOODY PLANTS TO BE PLACED SO THAT THE ROOT COLLAR IS POSITIONED 50-75MM HIGHER THAN SURROUNDING GRADE. TYPICAL VINES PLANTING





TYPICAL SHRUB PLANTING



7 TYPICAL PERENNIAL/GRASSES PLANTING

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Keymap

Legend

Appd. YY.MM.DD Revision ISSUED FOR 100% DESIGN DEVELOPMENT Appd. YY.MM.DD Dwn. Chkd. Dsgn. YY.MM.DD

Client/Project

Permit-Seal

CITY OF VAUGHAN

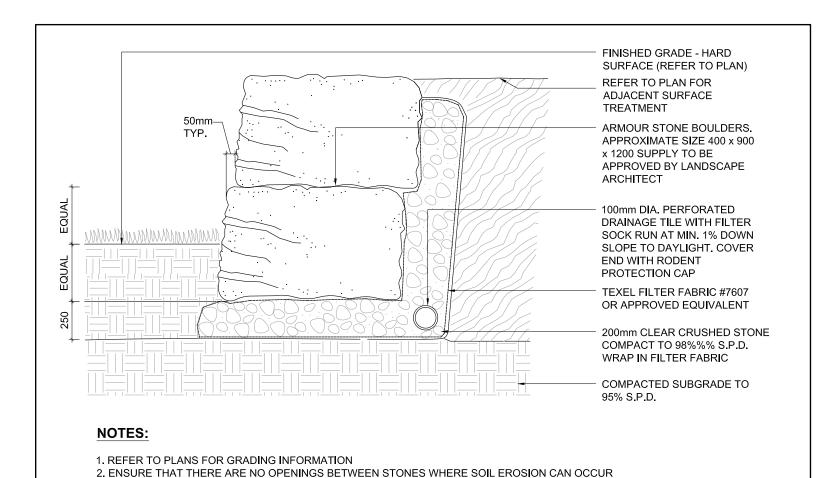
ISLINGTON AVENUE STREETSCAPE

Title

LANDSCAPE DETAILS

Scale Project No. 160622476 AS NOTED Drawing No. Sheet

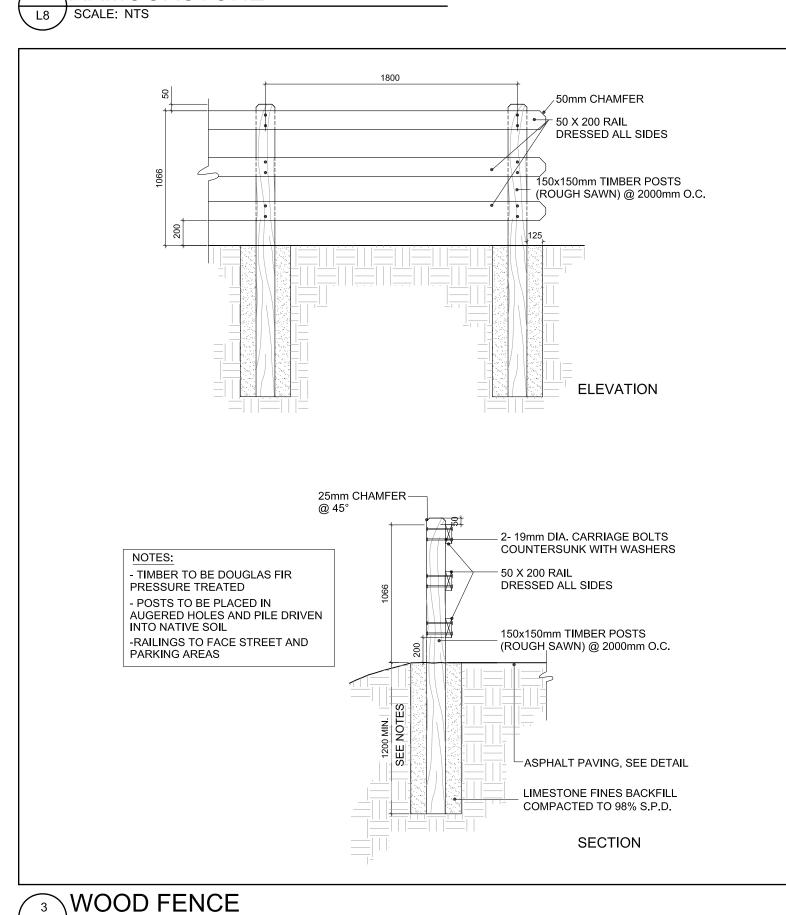
ORIGINAL SHEET - ARCH D



1 ARMOURSTONE

3. STEPPED ARMOUR STONE SHALL BE SET TRUE TO HORIZONTAL GRADE

4. ENSURE THAT WALL IS LESS THAN 600 MM HIGH.



PLANTING NOTES:

L8 | SCALE: NTS

1. Plants shall be installed per the Specifications included in the contract unless otherwise directed by the Drawing Notes and Details or by the Landscape Architect of Record.

2. Tree Protection: Any existing trees, shrubs and herbaceous plants, unless noted for removal, shall be protected from construction damage with approved fencing. Do not alter grades or compact soil around the base of an existing tree, do not disturb or expose roots of any existing tree. Refer to the Specifications, Tree Protection Notes and Details included

3. Plant materials specified for this project will conform to the Canadian Nursery Trades Association (C.N.T.A.) for size, variety and condition as indicated on the plant list shown on these Drawings. Any plant materials which do not conform (in the opinion of the Landscape Architect of Record) will be promptly removed from the Project and replaced by the Contractor at no additional cost to the Project.

4. Bare root plant materials shall not be permitted for any planting taking place between May 15th and October 15th without written approval from the Landscape Architect of Record.

5. Plant materials collected from wild sources will not be accepted. The Landscape Architect of Record reserves the right to require that Supplier invoices be submitted for inspection and approval prior to acceptance.

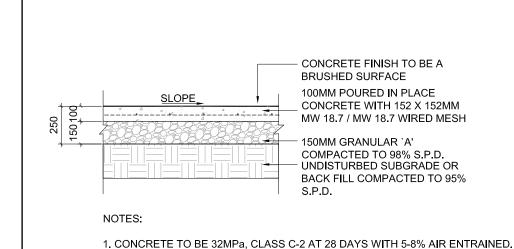
6. The Landscape Architect of Record is to be contacted for inspection and written approval prior to any plant material installation. All plant locations to be staked and clearly labeled for approval prior to planting. The Landscape Architect of Record reserves the right to reject any plant materials that have not been inspected and approved.

7. The Landscape Architect of Record reserves the right to refuse acceptance of any plant displaying poor growth habits, injury or disease. Any plant material that is rejected by the Landscape Architect of Record will be promptly removed from the Project and replaced with material of acceptable quality at no additional cost to the Project.

8. Remove dead or damaged branches on trees or shrubs. All pruning shall be performed in accordance with standard horticultural practices and International Society of Arborists (I.S.A.) specifications with appropriate timing for each

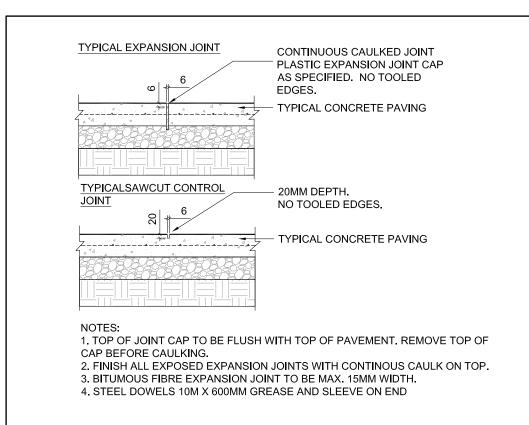
9. Plants are not to be installed or transplanted during extreme heat, drought or other undesirable conditions. Thoroughly water all plant materials immediately after installation. Contractor not to proceed in uncertainty. Contact Landscape Architect of Record for direction.

10. All plant materials shalll be planted in topsoil native to the Project. Additional soils or additives shall be permitted as specified in the Drawings and Specifications.

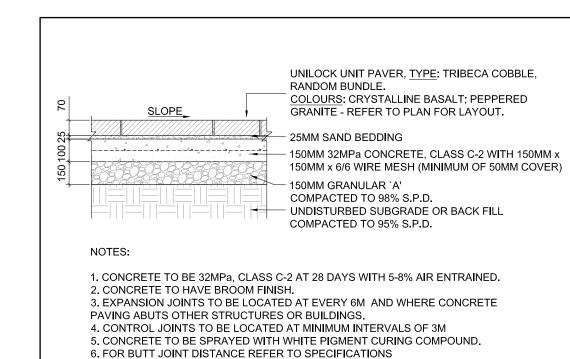


CONCRETE TO HAVE BROOM FINISH. 3. EXPANSION JOINTS TO BE LOCATED AT EVERY 6M AND WHERE CONCRETE PAVING ABUTS OTHER STRUCTURES OR BUILDINGS. 4. CONTROL JOINTS TO BE LOCATED AT MINIMUM INTERVALS OF 3M 5. CONCRETE TO BE SPRAYED WITH WHITE PIGMENT CURING COMPOUND.

CONCRETE SIDEWALK ON GRADE



CONCRETE JOINT ON GRADE



5 UNIT PAVERS ON GRADE

11. The Contractor shall relocate any proposed tree or shrub on the Project as directed by the Landscape Architect of

12. The Contractor shall water plants as required or as directed by the Landscape Architect of Record during construction and the warranty period. Plants shall watered within 48 hours of written request by the Owner or Owner's representative. Failure to do so after the second request shall result in Work being undertaken by others. The cost of this Work shall be deducted from the total Contract Price or holdback and otherwise recovered from the Contractor.

13. All deciduous trees shall be planted and staked in accordance with the planting details shown in the Drawings. Remove stakes and wires at the end of warranty period or earlier, as directed by Landscape Architect of Record.

14. Shredded bark mulch shall be spread uniformly around base of trees and shrubs to a depth of 100mm (4") and a radius of 300mm from trunk(s). Do not place mulch in direct contact with trunks. Use only shredded pine or cedar bark mulch. Hardwood chips shall be rejected by the Landscape Architect of Record.

15. Any lawn areas disturbed by construction shall be re-sodded with Canada No. 1 sod. Sod to be delivered to Project within 24 hours of being harvested and laid within 36 hours thereafter. Sodding Works shall be undertaken per the Contract Specifications unless otherwise specified by the Drawings or Landscape Architect of Record.

16. The Contractor shall be responsible for all maintenance and replacement of dead plant materials during the warranty period until final acceptance.

17. The Owner reserves the right to extend the Contractor's warranty responsibilities for an additional year if, at the end of the initial warranty period leaf development and growth is not sufficient to ensure future survival as determined by the Landscape Architect of Record.

18. Topsoil shall be as per the Specifications unless otherwise directed by the Drawing Details.

19. Transplanting: at time of the construction, existing trees and shrubs denoted for transplanting shall be inspected for condition and suitability. If the trees are not suitable, nursery stock shall be used as replacements at the direction of the Landscape Architect of Record. A Provisional Price for this shall be included in the Bid Submission.

20. Seeding: shall be as per the Specifications as included, unless otherwise directed by the Drawing Details. Drawing notes shall indicate the Type of Seed required as well as Seeding Rates and other requirements for Seeding Works for the Project

21. The Landscape plan was designed based on the existing base information provided by the owner. Contractor is responsible for locating all underground services and utilities prior to planting. If there are any conflicts with existing or proposed services, utilities, areal lines or existing sidewalks/pavement areas, please contact the Contract Administrator immediately prior to starting the work.

Plant Schedule

Sym	Qty	Botanical Name	Common Name	CAL (mm) HT (mm)	Root	Spacing	Remarks
DECIDUOL	US TREES	S:	<u>, </u>		•		•
AS	10	Acer saccharum	Sugar Maple	70	W.B.		
AC	54	Amelanchier canadensis	Serviceberry	50	W.B.		Single-stem
AMC	75	Amelanchier canadensis	Serviceberry	50	W.B.		Multi-stem
BEP	3	Betula papyrifera	White Paper Birch	70	W.B.		Clump Form
BN	3	Betula nigra	River Birch	70	W.B.		Clump Form
ВА	5	Betula alleghaniensis	Yellow Birch	70	W.B.		Clump Form
CF	100	Cornus florida	White Flowering Dogwood	50	W.B.		Single-stem
PCG	14	Pyrus calleryana 'Glen's Form'	Chanticleer Pear	50	W.B.		
PVS	39	Prunus virginiana 'Schubert'	Schubert Chokecherry	50	W.B.		
QR	7	Quercus rubra	Red Oak	70	W.B.		
SRI	40	Syringa reticulata 'Ivory Silk'	lvory Silk Tree Lilac	50	W.B.		
TC	2	Tilia cordata 'Greenspire'	Little Leaf Linden	70	W.B.		

CONIFEROUS TREES:							
AB	8	Abies balsamea	Balsam Fir	1800	W.B.		
PS	14	Pinus strobus	Eastern White Pine	1800	W.B.		
РВ	11	Pinus banksiana	Jack Pine	1800	W.B.		

CONIFER	OUS SHRI	UBS:				
JSA	28	Juniperus sabina Arcadia	Arcadia Juniper	3 Gal.	1000 o.c.	Green
DECIDUO	US SHRUI	BS:				
HAA	169	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	3 Gal.	1200 o.c.	White
PFR	188	Potentilla fruticosa Red Ace	Red Ace Cinqufoil	3 Gal.	1000 o.c.	Orange

asa	310	Anemone Canadensis	Canada Anemone	1 Gal.	450 o.c.	White
atr	753	Asclepias tuberosa	Butterfly Milkweed	1 Gal.		Orange
еср	933	Echinacea purpurea	Purple Cornflower	1 Gal.		Violet
ecg	579	Echinacea purpurea 'Green Jewel'	Green Jewel Coneflower	1 Gal.		Green
ecf	145	Echinacea x 'Firebird'	Firebird Coneflower	1 Gal.		Red
hes	458	Hemerocallis `Stella D'Oro'	Stella D'Oro Daylily	1 Gal.		Yellow
her	271	Hemerocallis Rocket City	Rocket City Daylily	1 Gal.		Orange
paf	118	Perovskia-atriplicifolia-Filigran	Fernleaf Russian Sage	1 Gal.		Violet
rbh	648	Rudbeckia hirta	Black-eyed Susan	1 Gal.		Yellow

Fragrant Sumac

cak	411	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 Gal.	1000 o.c.	Yellow
dec	99	Deschampsia caepitosa	Tufted Hair Grass	1 Gal.	750 o.c.	Yellow
def	263	Deschampsia flexuosa	Wavy Hair Grass	1 Gal.	450 o.c.	Green
lmb	129	Liriope muscari 'Big Blue'	Big Blue Liriope	1 Gal.	450 o.c.	Blue
lmv	506	Liriope muscari 'Variegata'	Variegated Lily Turf	1 Gal.	300 o.c.	Violet
msg	284	Miscanthus sinensis 'Little Fountain' (Kleine Fontaine)	Little Fountain Maiden Grass	1 Gal.	1000 o.c.	Orange

VINES:						
paq	103	Parthenocissus quinquefolia	Virginia Creeper	1 Gal.	2000 o.c.	
ptv	105	Parthenocissus tricuspidata `Veitchii'	Boston lvy	1 Gal.	2000 o.c.	

SEEDING NOTES:

1. All areas that have been disturbed by construction shall be seeded by the contractor unless otherwise noted. Remove all debris including all granular stone, wood and metal. Scarify all disturbed areas to eliminate compaction of topsoil. To prepare areas for seeding, spread, loosen and fine grade

15 Rhus-aromatica-Gro-Low

2. Seeding operations shall be completed between spring thaw and June 15th for spring work, or between August 15th and October 15th for fall work.

3. Ensure adequate moisture is available for initial seeding application and maintain seed by watering during germination and establishment.

4. Install seed over min. 150mm depth of topsoil.

5. Contractor to ensure adequate seed mix catch. Seeded areas will be accepted provided that a sufficient amount of the seed has germinated and become established in the opinion of the Landscape Architect.

6. Maintenance for seeded areas shall begin immediately after installation and shall continue until acceptance by the Contract Administrator.

SODDING NOTES:

1. Sodded areas as shown on the Planting Plan is to be certified Canada No. 1 Cultivated turf Sod, with strong Fibrous root system, thick and heavy growth conforming to specifications of the Nursery Sod Growers Association of Ontario and of the following mix or approved equal:

40% Blend of (3) Varieties of Kentucky Bluegrass 40% Creeping Red Fescue 20% Perennial Ryegrass Use latest approved cultivars of grass in Ontario Areas to be

sodded shall have a minimum 150mm topsoil base.

2. Loosen soil surface prior to sodding. Eliminate bumps and hollows. Roll lightly wherever topsoil is excessively loose.

4 Solidaga canadensis

20 Sorghastum nutans

3. Prior to sodding, obtain approval that finished grade and depth of topsoil are satisfactory.

600 o.c.

Green

3 Gal.

4. Deliver sod to site within 24 hours of being lifted and lay within 36 hours of being lifted. During dry weather protect sod from drying, and water sod as necessary to ensure its vitality and prevent the loss of soil in handling. Dry sod will be rejected.

5. Lay sod during growing season. Lay sod in rows, perpendicular to slope, and with joints staggered. Butt sections closely without overlapping or leaving gaps between sections. Cut out irregular or thin sections with sharp implements.

6. Water sod immediately after laying to obtain moisture penetration into top 150mm of topsoil. Maintain sodded areas from start of installation until final acceptance.

ratio fertilizer at a rate of 38 kg per 1000m2 at the time of

(6850) 815	50 - SIN	ICOE COUNTY NATIVE SEED I	VIIX	
Total Area =	m2			
	Qty %	Botanical Name	Common Name	Planting Density
	15	Andropogon scoparius	Little Bluestem	
	5	Asclepias syriaca	Common Milkweed	
	1	Aster laevis	Smooth Blue Aster	Sow a Nurse Crop: Annual Oats (Avena sativa) and Canada
	2	Aster novae-angliae	New England Aster	Wild Rye (Elymus canadensis) to be seeded at a rate of 25kg/hectare
	20	Elymus canadensis	Canada Wild Rye	Sow Simcoe County Native Seed Mix at a Rate of
	1	Monarda fistulosa	Wild Bergamot	Application: 22-25 kg/hectare. Apply an organic 8-32-16
	12	Rudbeckia hirta	Black-Eyed Susan	ratio fertilizer at a rate of 38 kg per 1000m2 at the time of

Canada Goldenrod

Indian Grass

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Keymap

Legend

By Appd. YY.MM.DD Revision ISSUED FOR 100% DESIGN DEVELOPMENT By Appd. YY.MM.DD Issued Dwn. Chkd. Dsgn. YY.MM.DD Permit-Seal

Client/Project

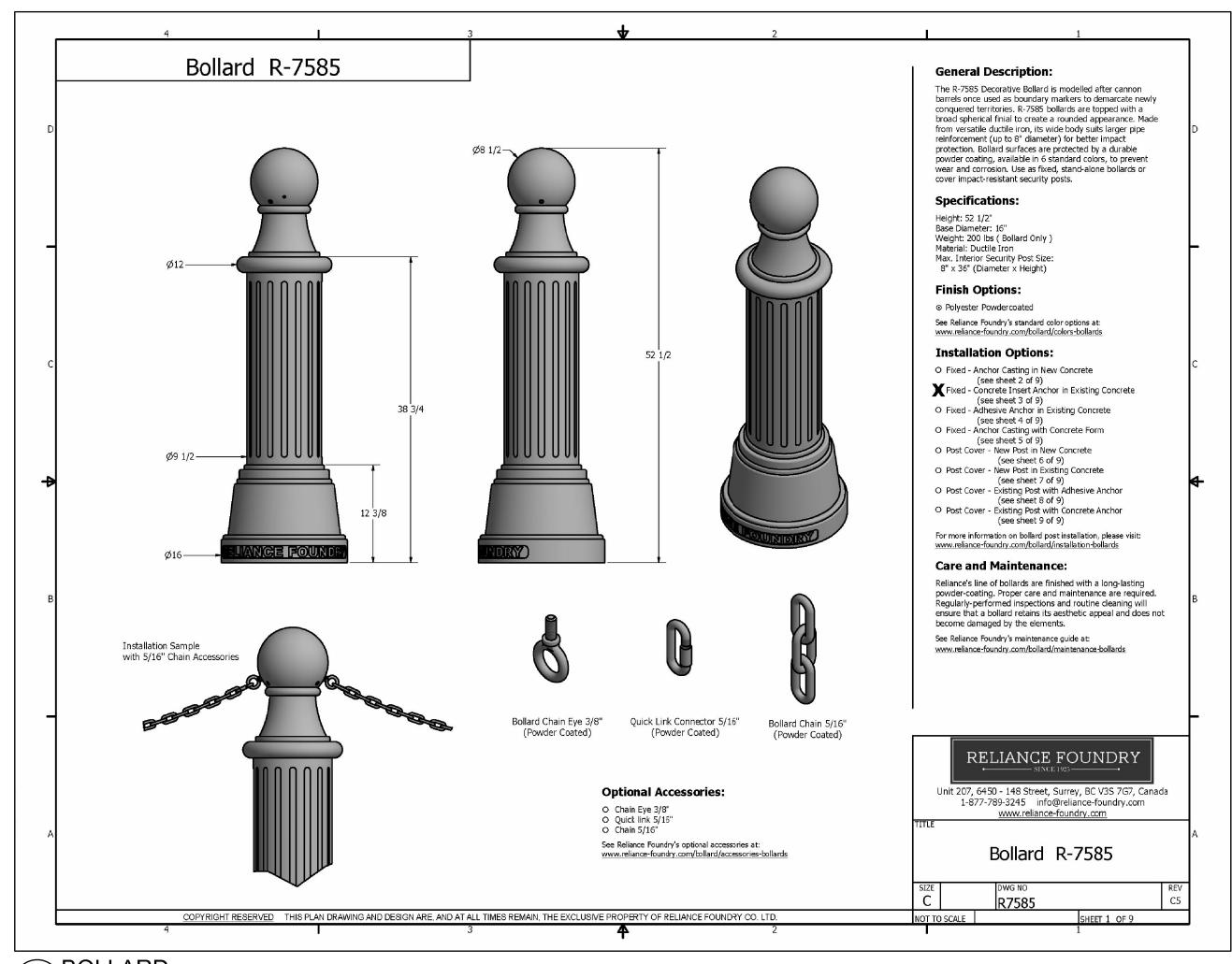
CITY OF VAUGHAN

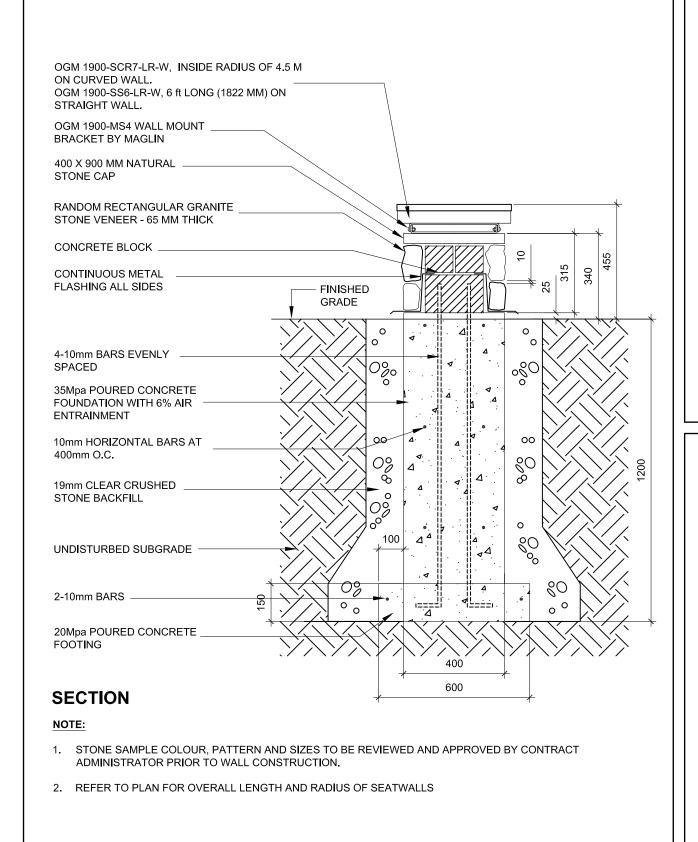
ISLINGTON AVENUE STREETSCAPE

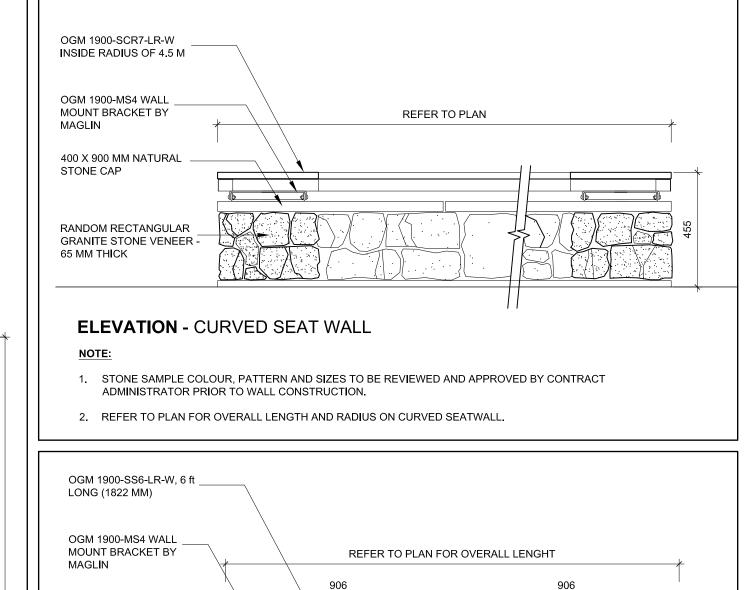
Title

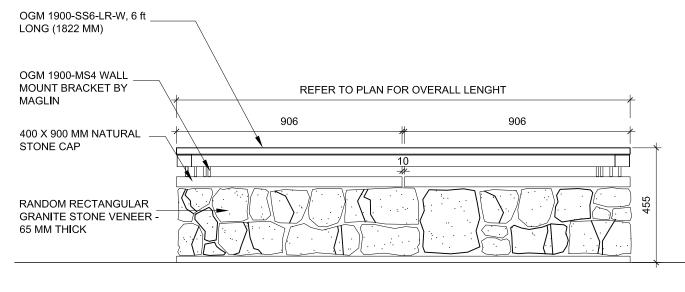
LANDSCAPE DETAILS

Project No.	Scale	
160622476	AS NOTED	
Drawing No.	Sheet	Revision
L8	8 of 9	-









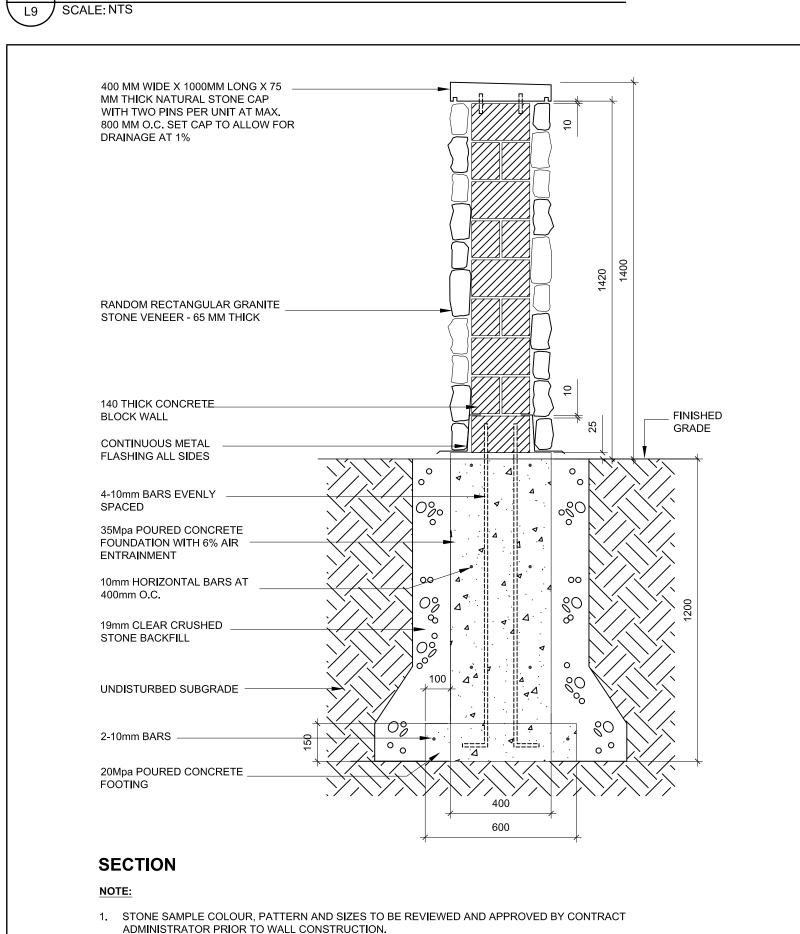
ELEVATION - TYPICAL 1822 MODULE STRAIGHT SEAT WALL

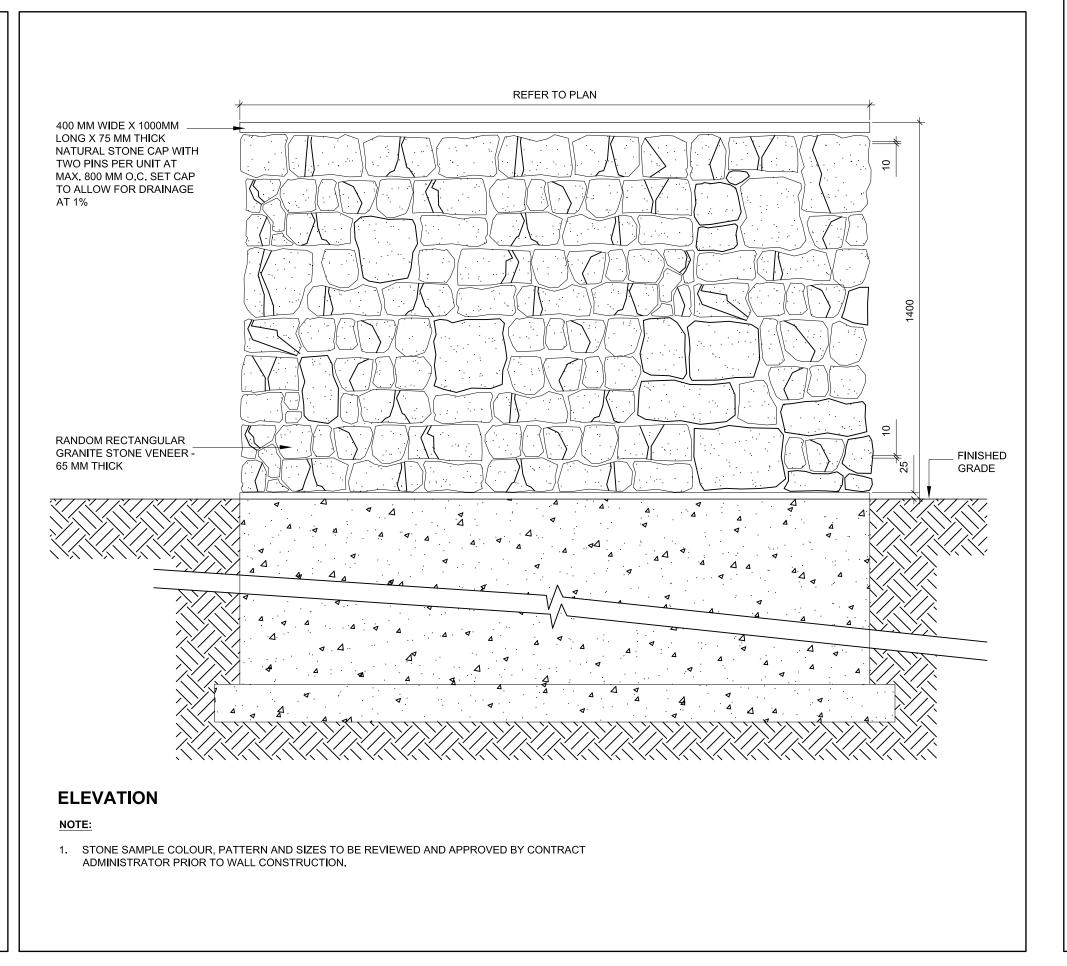
1. STONE SAMPLE COLOUR, PATTERN AND SIZES TO BE REVIEWED AND APPROVED BY CONTRACT ADMINISTRATOR PRIOR TO WALL CONSTRUCTION.

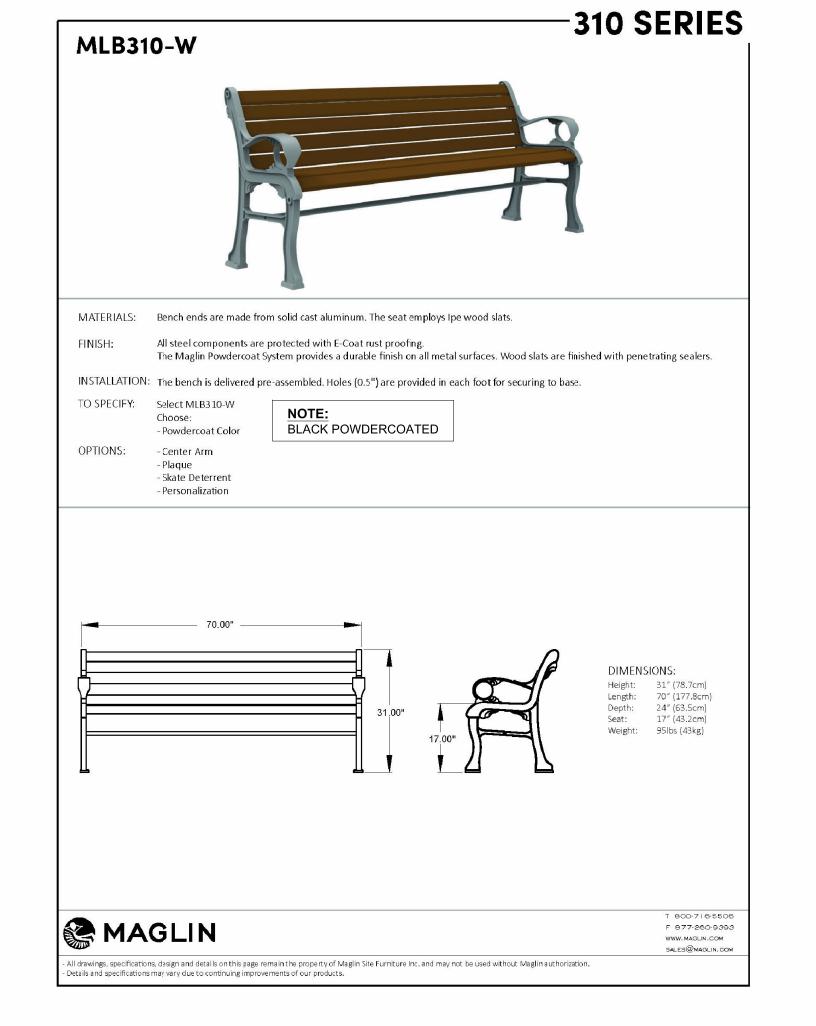
2. REFER TO PLAN FOR OVERALL LENGTH OF STRAIGHT SEATWALL.

SEAT WALL

1 BOLLARD







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Keymap

Legend

MASONRY GATEWAY WALL L9 SCALE: NTS

4 BENCH L9 / SCALE: NTS

ORIGINAL SHEET - ARCH D

160622476 AS NOTED Drawing No. Sheet

Scale

LANDSCAPE DETAILS

Project No.