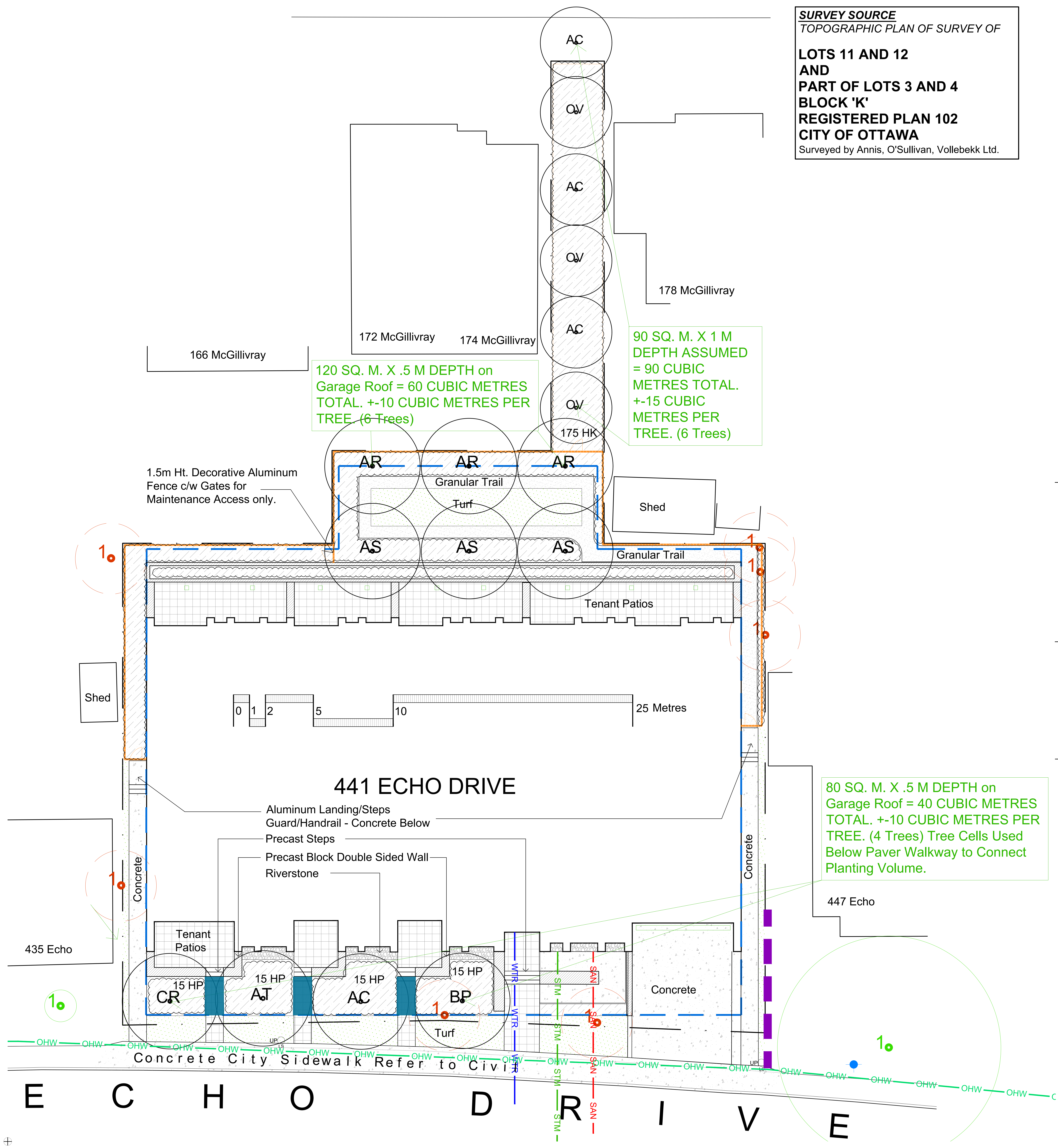


SURVEY SOURCE

TOPOGRAPHIC PLAN OF SURVEY OF

LOTS 11 AND 12
AND
PART OF LOTS 3 AND 4
BLOCK 'K'
REGISTERED PLAN 102
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

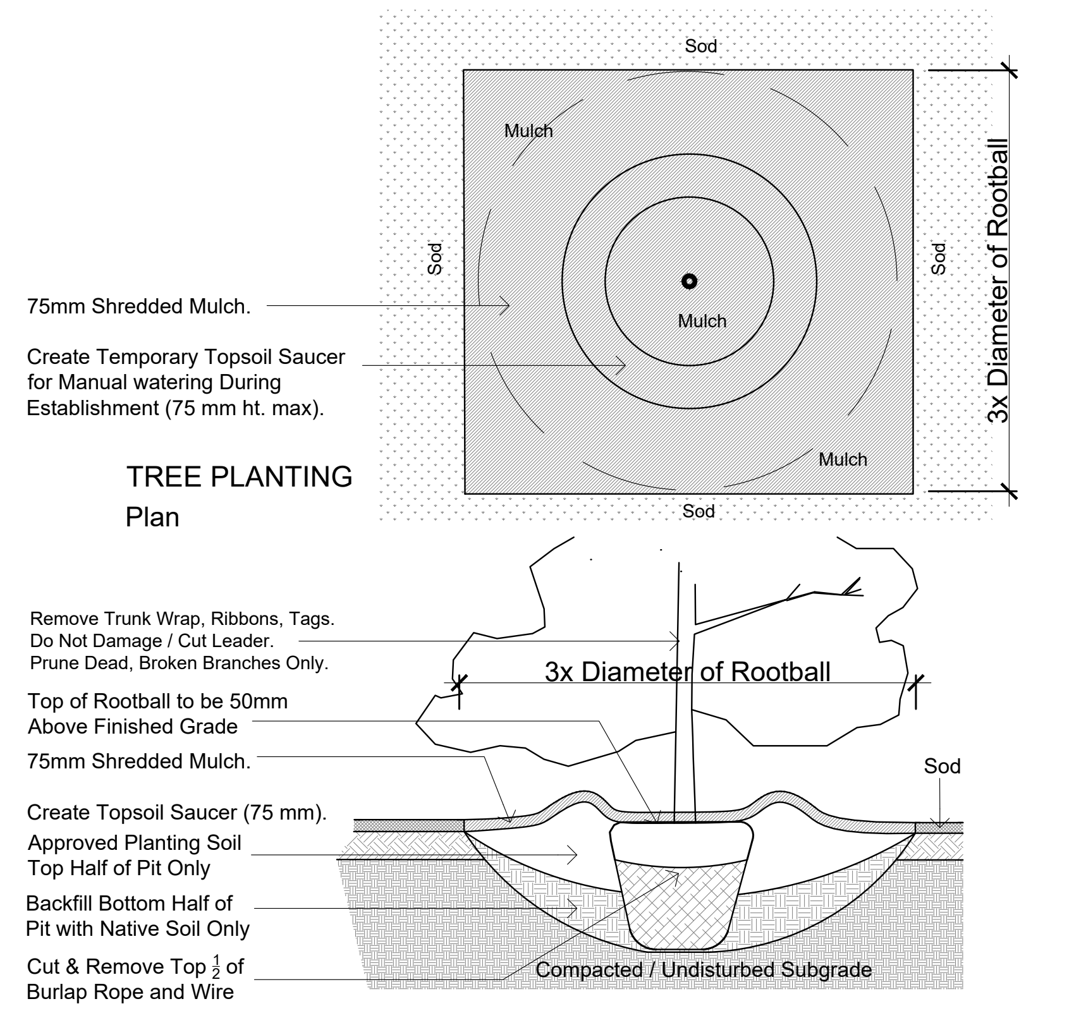
120 SQ. M. X .5 M DEPTH on Garage Roof = 60 CUBIC METRES TOTAL. +-10 CUBIC METRES PER TREE. (6 Trees)

90 SQ. M. X 1 M DEPTH ASSUMED = 90 CUBIC METRES TOTAL. +-15 CUBIC METRES PER TREE. (6 Trees)

80 SQ. M. X .5 M DEPTH on Garage Roof = 40 CUBIC METRES TOTAL. +-10 CUBIC METRES PER TREE. (4 Trees) Tree Cells Used Below Paver Walkway to Connect Planting Volume.

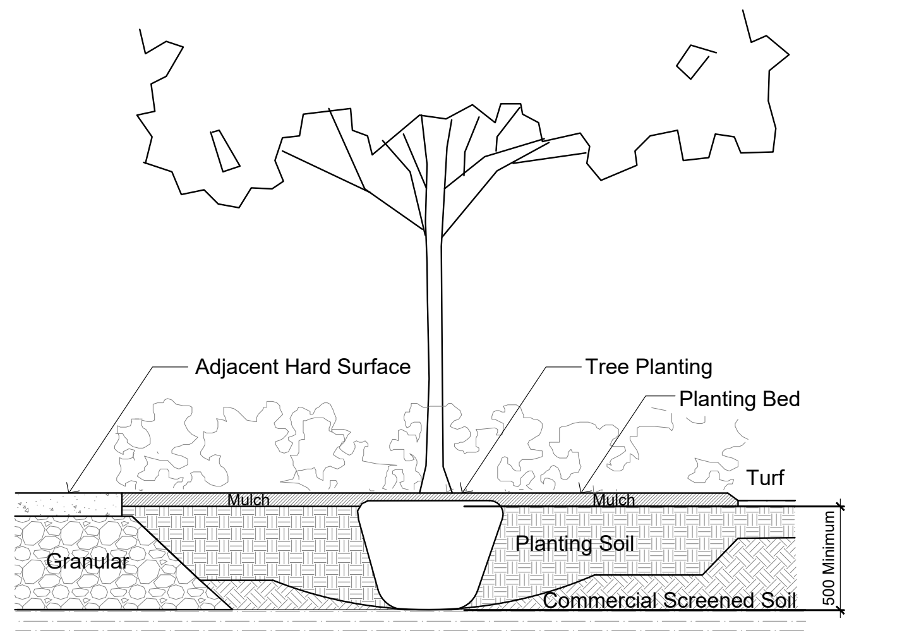
TREE SCHEDULE - JB HOLDINGS 441 ECHO DRIVE MULTI UNIT RESIDENTIAL									
CODE	QTY	BOTANICAL NAME	COMMON NAME	B&B SPECIMEN	NATIVE to CANADA	FORECASTED SPREAD as per City of Ottawa Forestry		Canopy Cover Contribution/Tree in Square Metres	Total Canopy Cover
						DIAMETER	RADIUS		
AC	4	Amelanchier canadensis	Tree Serviceberry	50mm cal	YES	5.0M	2.5M	20	80
AR	3	Acer rubrum	Red Maple	50mm cal	YES	10.0M	5.0M	78.5	235.5
AS	3	Acer saccharum	Sugar Maple	50mm cal	YES	14.0M	7.0M	154	462
AT	1	Asinima triloba	Paw Paw	50mm cal	YES	5.0M	2.5M	20	20
BP	1	Betula papyrifera	Paper Birch	50mm cal	YES	10.0M	5.0M	78.5	78.5
CR	1	Cornus racemosa	Grey Dogwood	50mm cal	YES	5.0M	2.5M	20	20
OV	3	Ostrya virginiana	Ironwood	50mm cal	YES	5.0M	2.5M	20	60
TOTAL DT	12	TOTAL DECIDUOUS COVER							876
TOTAL FORECASTED CANOPY COVER IN SQUARE METRES									**876**
MINUS OVERLAP WITH BUILDINGS, TREES, PROPERTY LINE, IN SQUARE METRES									**450**
CANOPY COVER IN SQUARE METRES									**426**
SITE AREA IN SQUARE METRES									1392
TOTAL FORECASTED CANOPY COVER as Percentage of Site Area									**30.60%**

SHRUB PLANTING						
Code	**Qty.**	**Botanical Name**	**Common Name**	**Size**	**Condition**	**NATIVE**
HK	175	Hypericum kalmianum	Kalm St. John's Wort	30cm	Pot	YES
HP	75	Hypericum prolificum	Shrubby St. John's Wort	40cm	Pot	YES
AU	75	Arctostaphylos uva ursi	Bearberry	30cm spr	Pot	YES
PV	75	Panicum virgatum	Switch Grass	9 cm Pot		YES

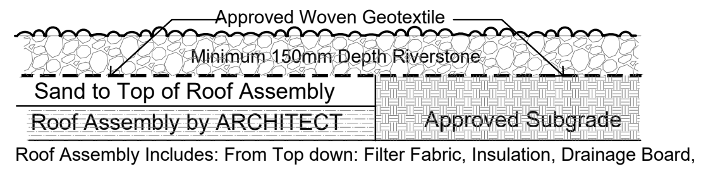

Sod
Mulch
Sod
Sod
Mulch
Mulch
Sod
3x Diameter of Rootball
75mm Shredded Mulch.
Create Temporary Topsoil Saucer for Manual watering During Establishment (75 mm ht. max).
Remove Trunk Wrap, Ribbons, Tags. Do Not Damage / Cut Leader. Prune Dead, Broken Branches Only.
3x Diameter of Rootball
Top of Rootball to be 50mm Above Finished Grade
75mm Shredded Mulch.
Sod
Create Topsoil Saucer (75 mm).
Approved Planting Soil Top Half of Pit Only
Backfill Bottom Half of Pit with Native Soil Only
Cut & Remove Top ½ of Burlap Rope and Wire
Compacted / Undisturbed Subgrade

TREE PLANTING
Plan

TREE PLANTING TYPICAL NTS
Section



TREE PLANTING IN PLANTING BED NTS
On and Off Garage Roof

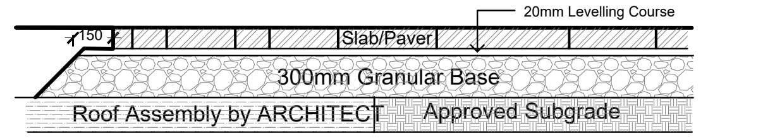

Approved Woven Geotextile
Minimum 150mm Depth Riverstone
Sand to Top of Roof Assembly
Roof Assembly by ARCHITECT
Approved Subgrade

Roof Assembly Includes: From Top down: Filter Fabric, Insulation, Drainage Board, Protection Sheet, Waterproofing, Sloped Concrete Garage Roof to Area Drains.

RIVERSTONE (ON and OFF GARAGE ROOF) NTS

1-3" Premium Riverwash Stone as Supplied by Greely Sand and Gravel/Approved Equal
Approved Woven Geotextile Minimum : Weight 150g/m2, Tensile Strength 1250 N, Tear Resistance 540 N, Water Flow 500 l/min/m2.

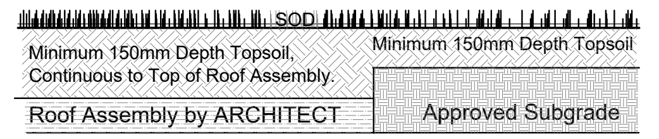
c/w TECHNISEAL NEXTGEL POLYMERIC JOINTING SAND. Install as PER MANUFACTURERS DETAILS AND SPECIFICATIONS, GRADING PLAN



Roof Assembly Includes: From Top down: Filter Fabric, Insulation, Drainage Board, Protection Sheet, Waterproofing, Sloped Concrete Garage Roof to Area Drains.

PRECAST PAVING (ON and OFF GARAGE ROOF) NTS

Permacon Mega Melville 60mm / Approved Equal. Colour To Be Verified Prior to Ordering By Sample To Site.

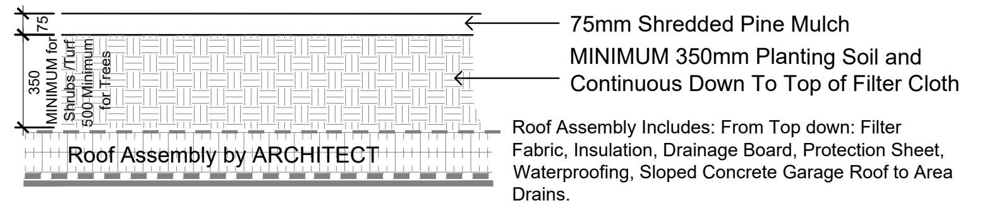

SOD
Minimum 150mm Depth Topsoil, Continuous to Top of Roof Assembly.
Minimum 150mm Depth Topsoil
Roof Assembly by ARCHITECT
Approved Subgrade

Roof Assembly Includes: From Top down: Filter Fabric, Insulation, Drainage Board, Protection Sheet, Waterproofing, Sloped Concrete Garage Roof to Area Drains.

TURF (ON and OFF GARAGE ROOF) NTS

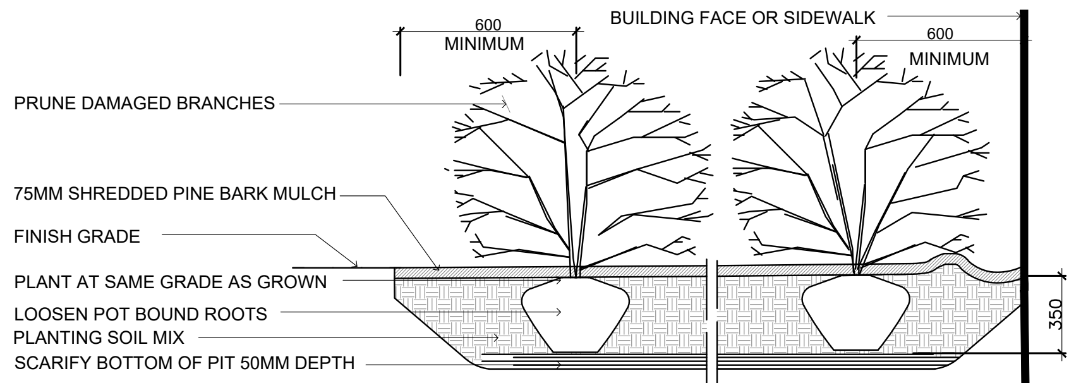
#1 GRADE TURFGRASS NURSERY SOD per NSGA - Fine Fescue/Kentucky Bluegrass. Commercial Screened Topsoil as Supplied by Greely Sand and Gravel or approved equal.

Ensure Filter Fabric is in Place over Insulation, with 500mm Overlap at Seams, and Continuous up and over any Upstands, Drains etc. Notify GJA INC. when Fabric Placement Is Ready For Inspection Prior To ANY Soil Placement.

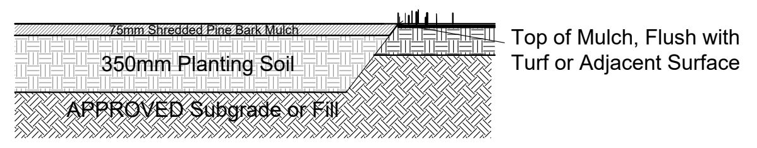

75
350 MINIMUM for Shrubs /Turf 500 Minimum for Trees
75mm Shredded Pine Mulch
MINIMUM 350mm Planting Soil and Continuous Down To Top of Filter Cloth
Roof Assembly by ARCHITECT
Roof Assembly Includes: From Top down: Filter Fabric, Insulation, Drainage Board, Protection Sheet, Waterproofing, Sloped Concrete Garage Roof to Area Drains.

PLANTING BED ON INSULATED GARAGE ROOF - TYPICAL NTS

Drainage Board Must Be Provided/Installed Above Waterproofing & Below Insulation. If/Where Soil Depths Exceed 350mm - use Commercial Screened Topsoil BELOW Planting Soil.

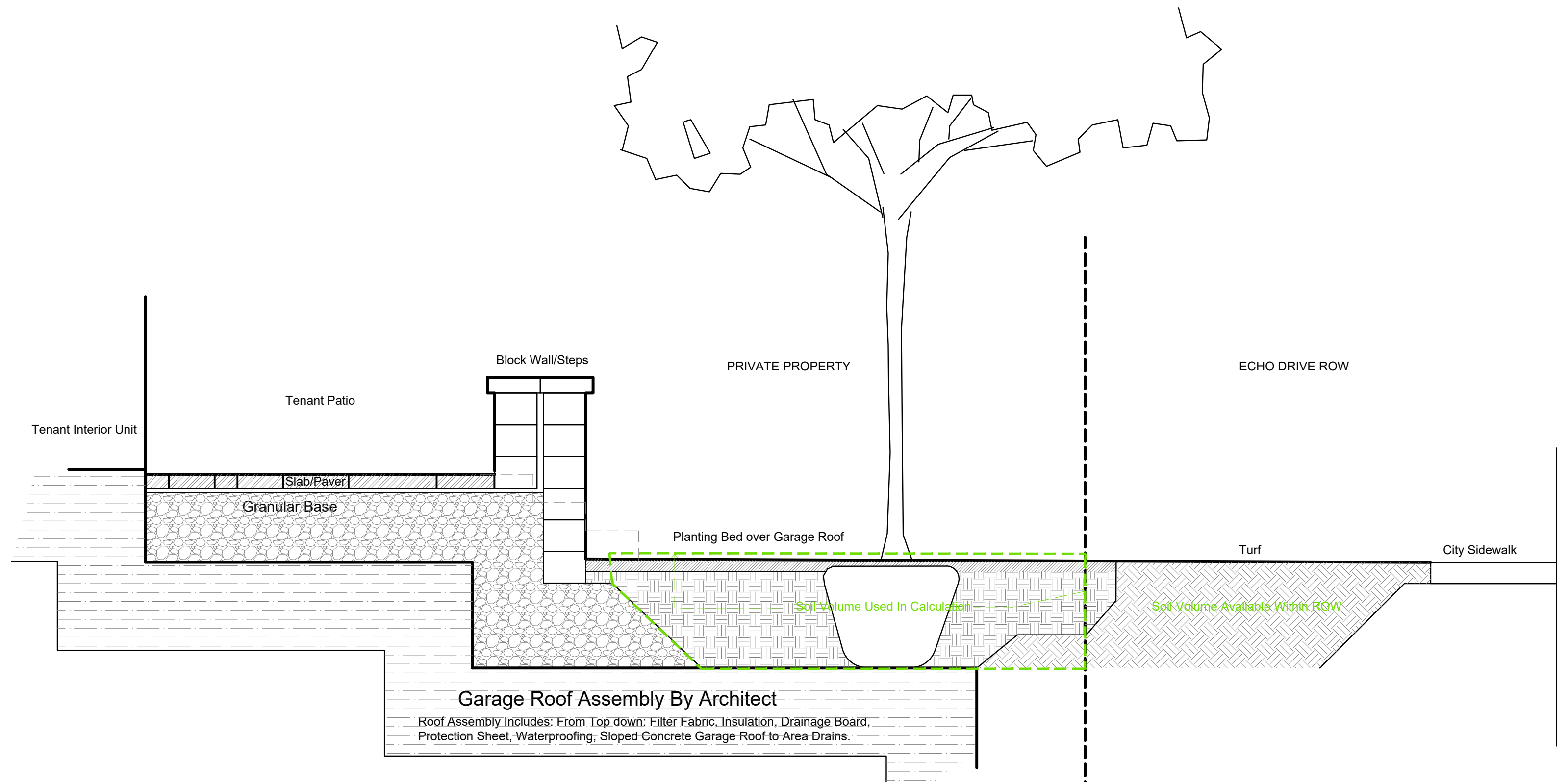

600 MINIMUM
BUILDING FACE OR SIDEWALK
600 MINIMUM
PRUNE DAMAGED BRANCHES
75MM SHREDDED PINE BARK MULCH
FINISH GRADE
PLANT AT SAME GRADE AS GROWN
LOOSEN POT BOUND ROOTS
PLANTING SOIL MIX
SCARIFY BOTTOM OF PIT 50MM DEPTH
350

SHRUB PLANTING TYPICAL NTS


75mm Shredded Pine Bark Mulch
350mm Planting Soil
APPROVED Subgrade or Fill
Top of Mulch, Flush with Turf or Adjacent Surface

PLANTING BED - TYPICAL NTS

During Excavation/Bed Preparation if Extreme Conditions are Encountered (Water, Rock, Gravel...) Notify GJA INC Immediately.


Tenant Interior Unit
Tenant Patio
Block Wall/Steps
PRIVATE PROPERTY
ECHO DRIVE ROW
Slab/Paver
Granular Base
Planting Bed over Garage Roof
Turf
City Sidewalk
Soil Volume Used In Calculation
Soil Volume Available Within ROW
Garage Roof Assembly By Architect
Roof Assembly Includes: From Top down: Filter Fabric, Insulation, Drainage Board, Protection Sheet, Waterproofing, Sloped Concrete Garage Roof to Area Drains.

TYPICAL SECTION STREETSIDE PATIOS / PRECAST BLOCK WALL / TREE PLANTING NTS

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| PLANTING MIX TO BE APPROVED BY LANDSCAPE ARCHITECT | PLANT MATERIAL TO MEET CNLA STANDARDS/BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING | ALL MATERIALS & WORK TO BE MAINTAINED UNTIL FINAL ACCEPTANCE, INCLUDE 1 YEAR WARRANTY FROM DATE OF FINAL ACCEPTANCE | REFER TO CIVIL ENGINEER's DRAWING FOR ELEVATIONS / GRADING |

The Landscape Plan is to be read in conjunction with the grading, servicing, site and survey plan. All trees to be preserved on or directly adjacent to the site will be protected | Plant material are to be installed a minimum of; 3.0m away from any part of any hydro transformer, 3.0m corridor between a fire hydrant and the curb, a 2.5m radius beside or behind a fire hydrant, 2.0m from any servicing/utility line or structure |

REFER TO TCR BY IFS

1 ●	Existing Tree to Remain
▬	Protection for Existing Trees
1 ●	Existing Tree to Remove

LEGEND
LANDSCAPE PROPOSED

DT	Deciduous Tree
▬	Soil Cell
▨	Planting Bed
▨	Shrub Planting
░	Turf
▨	Riverwash Stone On Filter Cloth
░	Stone Dust
░	Concrete
▦	Precast Pavers
▬	Precast Block Wall
- - -	Fence
▯	Rack for 2 Bikes Anchor to Concrete

SITE / ARCHITECTURE

——	Parking Garage Below
●	Fire Hydrant
◇	FD Siamese Connection
LS◉	Light Standard
UP○	Hydro/Utility Pole

BELOW GRADE SERVICES
REFER TO CIVIL/CUP

WTR	U/G Water Service
STM	U/G Storm Service
SAN	U/G Sanitary Service
GAS	U/G Gas Service
BC	U/G TelCo Service
H	U/G Hydro Service
OHW	O/H Hydro Service

#	Revision	Date
1	SPC SUBMISSION 1	2026 04 30
0	REVIEW/COORDINATION	2026 01 15

GINO J. AIELLO

PROPERTY OWNER
JB HOLDINGS INC.
107 PRETORIA AVENUE OTTAWA

GJA INC.
GINO J. AIELLO | LANDSCAPE ARCHITECT
GJALA.COM | 613 286 5130 | GINO@GJALA.COM
110 DIDSBURY ROAD UNIT # 9 | OTTAWA ONTARIO | K2T 0C2

MULTI UNIT
RESIDENTTIAL
APARTMENT BUILDING
441 ECHO DRIVE OTTAWA

Landscape
Plan

L1
Scale: 1:125

D 0# ## ## ###### PLAN NO ######