

GENERAL NOTES:

TOPSOIL:

USE EVENLY MIXED TOPSOIL OF FERTILE, FRIABLE NATURAL LOAM CONTAINING NOT LESS THAN 4% ORGANIC MATTER FOR CLAY LOAMS AND 2% MINIMUM ORGANIC MATTER FOR SAND LOAMS WITH AN ACIDITY RANGE OF 5.5 TO 7.5 PH. ALL TOPSOIL SHOULD BE FREE OF SUBSOILS, CLAY, STONES, ROOTS, EXCESS WATER, FROST AND OTHER EXTRANEANOUS MATTER.

PLANTING:

PREPARE PLANTING SOIL BY EVENLY MIXING FOUR PARTS SANDY TOPSOIL, ONE PART ORGANIC SOIL ADDITIVE WITH 500g BONE MEAL AND 750g COMMERCIAL FERTILIZER PER CUBIC METER. THE FOREGOING RATES ARE SUBJECT TO ADJUSTMENT ON RECEIPT OF TOPSOIL ANALYSIS REPORT.
 EXCAVATE AND PROVIDE PLANTING SOILS AS PER PLANTING DETAILS.
 PROVIDE ALL SHRUBS AND TREES ACCORDING TO THE GUIDELINE SPECIFICATIONS FOR NURSERY STOCK OF THE CANADIAN NURSERY TRADE ASSOCIATION WITH REGARD TO QUALITY AND GRADING AND SIZED AS PER PLANT LIST.
 SPRAY ALL PLANTINGS IN LEAF WITH ANTIDISCANT. PROVIDE TREES WITH STAKES.
 PLANTS ARE TO BE NO. 1 NURSERY GROWN, UNDER PROPER CULTURE PRACTICES, IN PARTICULAR WITH RESPECT TO AMPLE SPACING, PEST AND DISEASE CONTROL, AND BRANCH AND ROOT PRUNING ON TREES ARE TO HAVE STURDY, STRAIGHT TRUNKS.
 TREES SHALL BE WELL BRANCHED AND BALANCED WITH A STRONG CENTRAL LEADER.
 DECIDUOUS SHADE TREES SHALL BE FREE OF BRANCHES NOT LESS THAN 1.8m ABOVE THE GROUND.
 ALL SHRUBS ARE TO BE PLANTED IN CONTINUOUS BEDS.
 DO NOT SOD BETWEEN PLANTS. EXCAVATE ENTIRE AREA OF SHRUB BEDS UNIFORM TO SPECIFIED DEPTH AND FILL WITH SPECIFIED PLANTING SOIL.

SODDING:

PREPARE A MINIMUM 100mm DEPTH OF TOPSOIL WITH A 10-6-4 COMMERCIAL FERTILIZER AT 7.5kg/100sq.m. AND SUPER PHOSPHATE AT 5kg/100sq.m. THE PROPORTIONS SPECIFIED ARE SUBJECT TO ADJUSTMENT ACCORDING TO TOPSOIL ANALYSIS REPORT.
 LAY NO. 1 NURSERY SOD ON ALL AREAS OF THE PROJECT NOT COVERED BY BUILDINGS OR PAVING.
 IMMEDIATELY AFTER INSTALLATION, SOD MUST BE WATERED AND ROLLED.

TREE LOCATION:

NO TREES SHALL BE PLANTED UNDER OVERHEAD WIRES OR OVER UNDERGROUND SERVICES.
 TREES ARE NOT TO BE PLANTED LESS THAN 1m FROM CURBS, UNDERGROUND UTILITIES, SIDEWALKS AND DRIVEWAYS, 2m FROM FIRE HYDRANTS AND TRANSFORMERS, AND 4m FROM LIGHT STANDARDS.
 THE CONTRACTOR IS TO STAKE OUT LOCATIONS OF TREE PITS. THIS STAKE OUT IS TO BE INSPECTED BEFORE THE EXCAVATION OF ANY TREE PITS.
 BEFORE THIS STAKE OUT, THE CONTRACTOR IS TO REQUEST A STAKE OUT ALL UNDERGROUND SERVICES.
 THE LANDSCAPE ARCHITECT AND THE MUNICIPALITY MAY, AT THEIR DISCRETION REDISTRIBUTE TREE LOCATIONS, PRIOR TO PLANTING, IN ORDER TO AVOID CONFLICTS WITH UTILITIES, DRIVEWAYS AND INTERSECTION VISIBILITY.

MAINTENANCE & ACCEPTANCE:

ALL PLANT MATERIAL SHALL BE MAINTAINED BY THE CONTRACTOR IMMEDIATELY AFTER ANY PLANTING HAS BEEN INSTALLED AND SHALL CONTINUE UNTIL THE DATE OF FINAL ACCEPTANCE.
 SUCH MAINTENANCE SHALL INCLUDE ALL MEASURES NECESSARY TO ESTABLISH AND MAINTAIN ALL PLANTS IN AN ACCEPTABLE, VIGOROUS AND HEALTHY GROWING CONDITION INCLUDING CULTIVATING AND WEEDING, WATERING WHEN REQUIRED, PRUNING AND MAINTENANCE OF ALL ACCESSORIES.
 AT TIME OF INSPECTION FOR INITIAL & FINAL ACCEPTANCE, ALL PLANTING BEDS AND TREE PITS SHALL BE FRESHLY CULTIVATED, FREE OF WEEDS, LEAVES, BROKEN BRANCHES AND RUBBISH AND SHALL BE IN A NEAT AND TIDY CONDITION.
 ALL PLANT MATERIAL TO BE GUARANTEED FOR A PERIOD OF 2 (TWO) YEARS FROM THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND LOCAL AUTHORITY UNLESS OTHERWISE NOTED.
 MAINTAIN PLANTING BEDS AND TREE PITS FREE OF WEEDS THROUGHOUT THE GUARANTEE PERIOD.
 THE DEVELOPER SHALL REGULARLY REMOVE DEBRIS FROM THE WETLAND UNTIL THE COMPLETION OF ALL BUILDING CONSTRUCTION WITHIN THE DEVELOPMENT.
 APPLICANT IS RESPONSIBLE FOR OBTAINING NECESSARY APPROVALS FROM THE UTILITY COMPANIES FOR WORKS WITHIN THE MUNICIPAL BOUNDARY.
 ALL UTILITIES WITHIN THE BOUNDARIES MUST BE LOCATED, PRIOR TO COMMENCING CONSTRUCTION WITHIN THE BOUNDARY.
 DECIDUOUS SHADE TREES SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FROM RODENT INJURY FOR THE DURATION OF THE GUARANTEE PERIOD. PROTECTIVE WIRE MESH GUARDS SHALL BE EMPLOYED AROUND ALL DECIDUOUS TREES.
 GUARDS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF MULCH AND SHOULD BE PLACED A MINIMUM OF 50mm OUT FROM THE TREE TRUNK ON ALL SIDES. SUFFICIENT MESH SHOULD BE CUT TO COMPLETE THIS CIRCUMFERENCE AS WELL AS TO PROVIDE A MINIMUM OF 25mm OVERLAP.
 THE WIRE MESH GUARDS MUST BE OF GALVANIZED STEEL 12mm SQUARE MESH, 19 GAUGE AND SUPPLIED IN 600mm ROLLS. THE WIRE MESH CAN BE FASTENED WITH ANY ACCEPTABLE GALVANIZED STEEL WIRE. ALL SHRUBS AND CONIFEROUS TREES SHALL HAVE AN APPLICATION OF 'SKOOT' OR APPROVED EQUIVALENT RODENT FORMULA, TO BE APPLIED AT THE END OF OCTOBER. FOLLOW MANUFACTURER'S DIRECTIONS FOR APPLICATION.

UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FROM RODENT INJURY FOR THE DURATION OF THE GUARANTEE PERIOD. PROTECTIVE WIRE MESH GUARDS SHALL BE EMPLOYED AROUND ALL DECIDUOUS TREES.
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RODENT PROTECTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FROM RODENT INJURY FOR THE DURATION OF THE GUARANTEE PERIOD. PROTECTIVE WIRE MESH GUARDS SHALL BE EMPLOYED AROUND ALL DECIDUOUS TREES.
 GUARDS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF MULCH AND SHOULD BE PLACED A MINIMUM OF 50mm OUT FROM THE TREE TRUNK ON ALL SIDES. SUFFICIENT MESH SHOULD BE CUT TO COMPLETE THIS CIRCUMFERENCE AS WELL AS TO PROVIDE A MINIMUM OF 25mm OVERLAP.
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SOIL VOLUME CHART

Location (City ROW, private property)	Soil Area (m ²)	Soil Depth (m)	Soil Volume (m ³)	Tree Quantity	Soil Volume per tree (m ³)	Irrigation provided (Yes/No)	Hard Surface or Soft Surface (Yes/No)	Soil Cells (Yes/No)
1 Private	79	1.6	126	4	31.5	No	Hard	Yes
2 Private	48	1.6	77	2	38.5	No	Hard	Yes
3 ROW	208	1.2	250	6	41.5	No	Hard	Yes
4 ROW	784	1.2	940	13	72	No	Hard	Yes
5 ROW	147	1.2	176	3	59	No	Soft	No
6 ROW	245	1.2	294	7	42	No	Soft	No
7 ROW	38	1.2	45	1	45	No	Soft	No
8 ROW	38	1.2	45	1	45	No	Soft	No
9 ROW	35	1.2	42	1	42	No	Soft	No
10 ROW	35	1.2	42	1	42	No	Soft	No
11 ROW	90	1.2	108	3	36	No	Soft	No
12 Private	128	1.6	205	4	51	No	Soft	No
13 Private	34	1.6	54	1	54	No	Soft	No
14 Private	54	1.6	86	2	43	No	Soft	No
15 Private	220	1.2	264	6	44	No	Soft	No
16 Private	23	1.6	37	1	37	No	Soft	No
17 ROW	126.5	1.2	152	4	38	No	Soft	No
18 ROW	133	1.2	160	5	32	No	Soft	No
19 ROW	35	1.2	42	1	42	No	Soft	No
20 Private	21	1.6	34	1	34	No	Soft	No
21 Private	21	1.6	34	1	34	No	Soft	No
22 ROW	41	1.2	49	1	49	No	Soft	No
23 Private	28	1.6	45	1	45	No	Soft	No
24 ROW	132	1.2	158	5	31.5	No	Soft	No
25 ROW	63	1.2	75.5	2	37.75	No	Soft	No
26 ROW	32	1.2	38	1	38	No	Soft	No
27 ROW	67	1.2	80	2	40	No	Soft	No
Totals	1266	6.8	3616.5	79	1102.75			

NOTE: TREE WATERING PROGRAM:
 THE FOLLOWING WATERING REQUIREMENTS ARE TO BE UNDERTAKEN BY THE CONTRACTOR FOR TREES PLANTED WITHIN THE SITE AND THE CITY RIGHT OF WAY.
 ONCE THE ROOT BALL IS INSTALLED, THE TREE PITS ARE TO BE SATURATED WITH WATER TO REDUCE TRANSPLANT SHOCK AND ENCOURAGE EARLY ROOT ESTABLISHMENT.
 THE TREE PLANTING SCHEDULE MUST CONSIDER REGULARLY WATERING FOR THE DURATION OF THE 1 YEAR WARRANTY PERIOD.
 WATERING MUST OCCUR REGULARLY AT APPROXIMATELY ONCE A WEEK INTERVALS DURING THE GROWING SEASON OR AS DEEMED NECESSARY DURING THE SUMMER.
 TO ENSURE PROPER ROOT ZONE WATERING, WATER SHOULD BE APPLIED TO THE SURFACE WITHIN THE TREE WELLS, THROUGH THE USE OF GATOR BAGS OR ALTERNATIVE METHOD APPROVED BY THE MUNICIPALITY AND CONSULTANT.
 DEPENDENT UPON SPECIES OF TREE, SOIL AND WEATHER CONDITIONS, APPROXIMATELY 25 TO 30 LITRES OF WATER SHOULD BE APPLIED DURING EACH WATERING.
 WATER IS TO BE APPLIED AT A SUITABLE LOW RATE TO ENSURE THROUGH, DEEP PENETRATION OF THE ROOT SYSTEM AND MINIMIZE WASTAGE.
 WATERING APPLICATION SHOULD OCCUR IN THE MORNING WHEN EVAPORATION IS LOW.
 TREES SHOULD NOT BE WATERED EVERYDAY AS THIS WILL LEAD TO A LACK OF OXYGEN TO THE ROOT SYSTEM CAUSING ROOT ROT, AND LEAF CHLOROSIS.
 DURING WATERING SESSIONS, THE CANOPY MUST NOT BE SPRAYED AS THIS MAY PROMOTE SUNSCALD OR PROMOTE FOLIAR DISEASES.
 DURING THE SUMMER, IT MAY BE NECESSARY TO WATER MORE FREQUENTLY DEPENDING ON THE EXTENT OF HEAT, WIND AND DROUGHT.
 WATERING REQUIREMENTS MUST BE MONITORED BY THE CONTRACTOR UTILIZING A TRAINED HORTICULTURIST OR ARBORIST WHO PERIODICALLY INSPECTS THE TREES TO DETERMINE IF THERE IS VISIBLE FOLIAGE WILT OR OVERLY DRY SOILS WITHIN THE ROOT ZONE AREA.

NOTE: SOD, SEED & PLANT MATERIAL WATERING SCHEDULE
 ALL AREAS OF SEED/SOD AND PLANT MATERIAL ARE TO BE WATERED IMMEDIATELY AFTER INSTALLATION AND PERIODICALLY FOLLOWING INSTALLATION (AS CONDITIONS REQUIRE), TO ENSURE SUFFICIENT MOISTURE FOR GERMINATION (SEED) AND HEALTHY ESTABLISHMENT THROUGHOUT THE MAINTENANCE PERIOD.

NOTE: URBAN FORESTRY:
 ALL NEW TREES MUST ARRIVE ON SITE IN BALLED AND BURLAPPED CONDITION, WITH A MINIMUM CALIPER OF 70mm. EACH TREE SHALL HAVE THE BURLAP AND WIRE CAGE OPENED AND SOIL BRUSHED AWAY FROM THE TOP OF THE ROOT BALL UNTIL THE FIRST PROPER ROOT IS FOUND, INDICATING THE TOP OF THE REAL ROOT CROWN. THE TREE IS THEN TO BE PLANTED WITH THIS LEVEL TO BE CONSIDERED THE TOP OF ROOT BALL FOR ANY/ALL OTHER INSTRUCTIONS. ANY TREE FOUND PLANTED WITH THE FIRST PROPER ROOT AND/OR THE REAL ROOT CROWN BURIED MORE THAN 2.5m DEEP WILL BE REJECTED AND REQUIRE REPLACEMENT OR REPLANTING AT THE CITY'S DISCRETION.
 THE OWNER SHALL DE-COMPACT THE PLANTING AREAS OF THE SITE AND THE STREET ALLOWANCE AS PREPARATION FOR PLANTING BY EXCAVATING 100-120cm FOR THE DEPTH OF THE PROPOSED SOIL VOLUMES OF THE EXISTING SOIL, SCARP THE OPEN FACES AND BOTTOM, AND REPLACE WITH NEW TOP SOIL, CITY STANDARD SOIL REQUIREMENTS PRIOR TO TREE PLANTING. THE OWNER SHALL FURTHER PROVIDE PROOF PHOTOS OF THE PLANTING PREPARATION PROCESS INDICATING ALL STAGES IN ACCORDANCE WITH THE APPROVED SITE PLAN, LANDSCAPE PLAN, PLANTING DETAILS AND TORONTO STANDARDS DETAILS, AND ANY OTHER PLANS WHICH ARE CONNECTED WITH THE TREE PLANTING PROCESS.

NOTE:
 IRRIGATION NOT CURRENTLY PROVIDED, TO BE DETERMINED AT A LATER DATE. MAINTENANCE WATERING PROGRAM INCLUDED AT THIS TIME.

TORONTO GREEN STANDARDS LANDSCAPE STATISTICS:

AQ 3.2 – SIDEWALK SPACE
 A 2.1m wide PEDESTRIAN CLEARWAY HAS BEEN PROVIDED FOR ALL PUBLIC WALKWAYS.

AQ 4.1 – URBAN HEAT ISLAND REDUCTION
 TOTAL NON-ROOF HARDSCAPE = 5028m²
 TOTAL HARDSCAPE TREATED FOR URBAN HEAT ISLAND REDUCTION = 3822m² (76%)

URBAN HEAT ISLAND REDUCTION TREATMENT OPTIONS
 A) HIGH ALBEDO CONCRETE PAVING (SRI >29) 868m² (17%)
 B) HIGH ALBEDO CONCRETE PAVERS (SRI >29) 2954m² (56%)
 C) SHADE FROM TREES 54m² (1%)

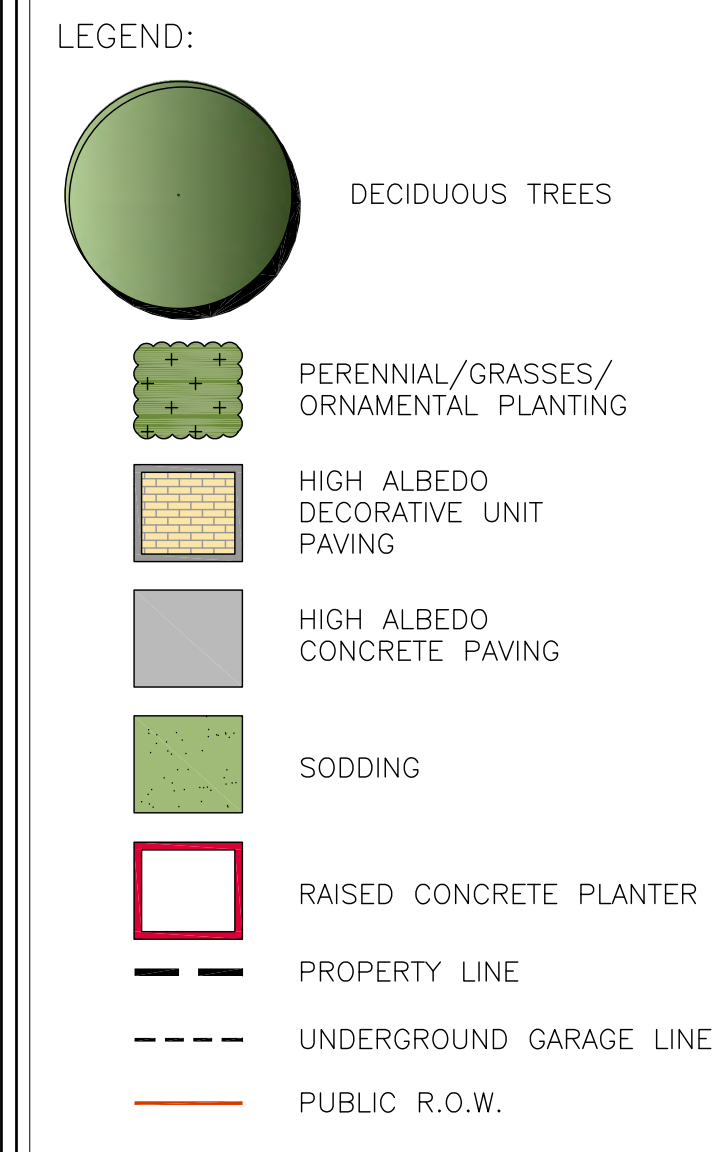
EC – URBAN FORESTRY
 SITE AREA = 15,662m²
 (15,662 X 40%)/66 = 94 TREES REQUIRED
 X 30m³ SOIL PER TREE = 2,847.9m³ SOIL REQUIRED
 962m³ PROVIDED ON SITE
 2654.5m³ PROVIDED IN R.O.W.
 94 TREES REQUIRED
 23 DECIDUOUS TREES PROVIDED ON SITE
 58 DECIDUOUS TREES PROVIDED IN R.O.W.

PUBLIC PARK DEDICATION NOTE:
 TORONTO GREEN STANDARDS SOIL VOLUME CHART DOES NOT INCLUDE APPROX. 2,104m³ OF AVAILABLE SOIL, AS WELL AS APPROX. 22 DECIDUOUS TREES



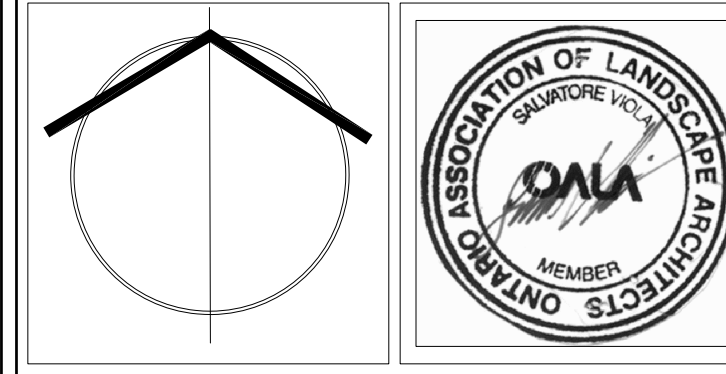
GENERAL NOTES

- VERIFY ALL DIMENSIONS.
- DO NOT SCALE DRAWINGS.
- REPORT ANY DISCREPANCIES, DISCOVERED ERRORS, OR OMISSIONS TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING.
- IT IS ADVISED THAT CONTRACTORS CONTACT THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ENSURE THE USE OF THE LATEST REVISED DRAWINGS.
- DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE LANDSCAPE ARCHITECT.



No.	DATE	REVISION	BY
8	APR. 18, 2023	ISSUED FOR COORDINATION	S.V.
7	MAR. 01, 2023	ISSUED FOR COORDINATION	S.V.
6	FEB. 23, 2023	ISSUED FOR COORDINATION	S.V.
5	FEB. 15, 2023	ISSUED FOR REVIEW	S.V.
4	SEPT. 03, 2021	ISSUED FOR 2BA SUBMISSION	S.V.
3	AUG. 03, 2021	LANDSCAPE CONCEPT FOR REVIEW	S.V.
2	JUL. 21, 2021	LANDSCAPE CONCEPT FOR REVIEW	S.V.
1	JUL. 13, 2021	LANDSCAPE CONCEPT FOR REVIEW	S.V.

It is the responsibility of the Contractor and/or Owner to ensure that the drawings with the latest revisions are used for construction.



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 LANDSCAPE ARCHITECTURE

PROJECT: **WESTON HEIGHTS**
 15-23 TOR YORK DRIVE
 TORONTO, ONTARIO

DRAWING TITLE: **LANDSCAPE & SOIL VOLUME PLAN**

SCALE: 1:300	PROJECT No. 5580
DATE: JUL. 13, 2021	DRAWING No. L100
DRAWN BY: J.M.	CHECKED BY: S.V.