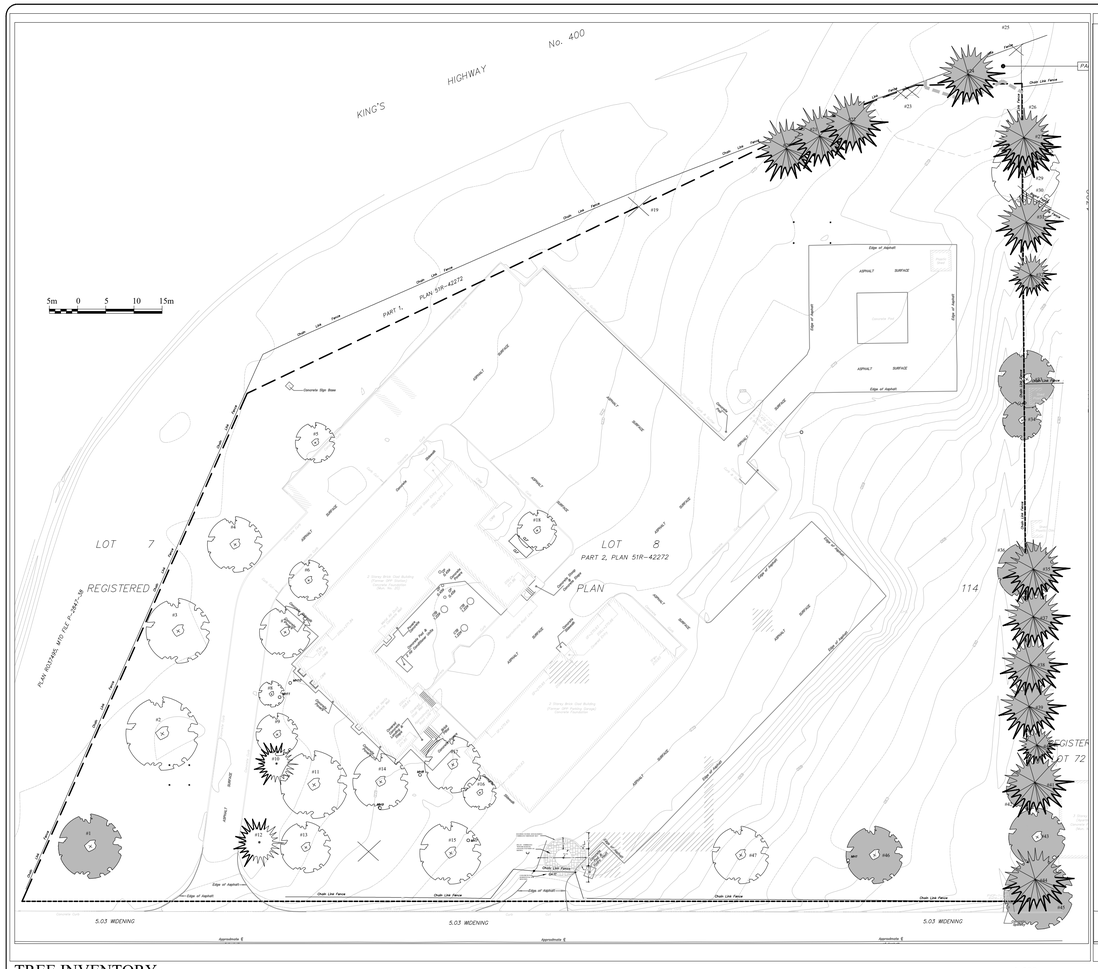
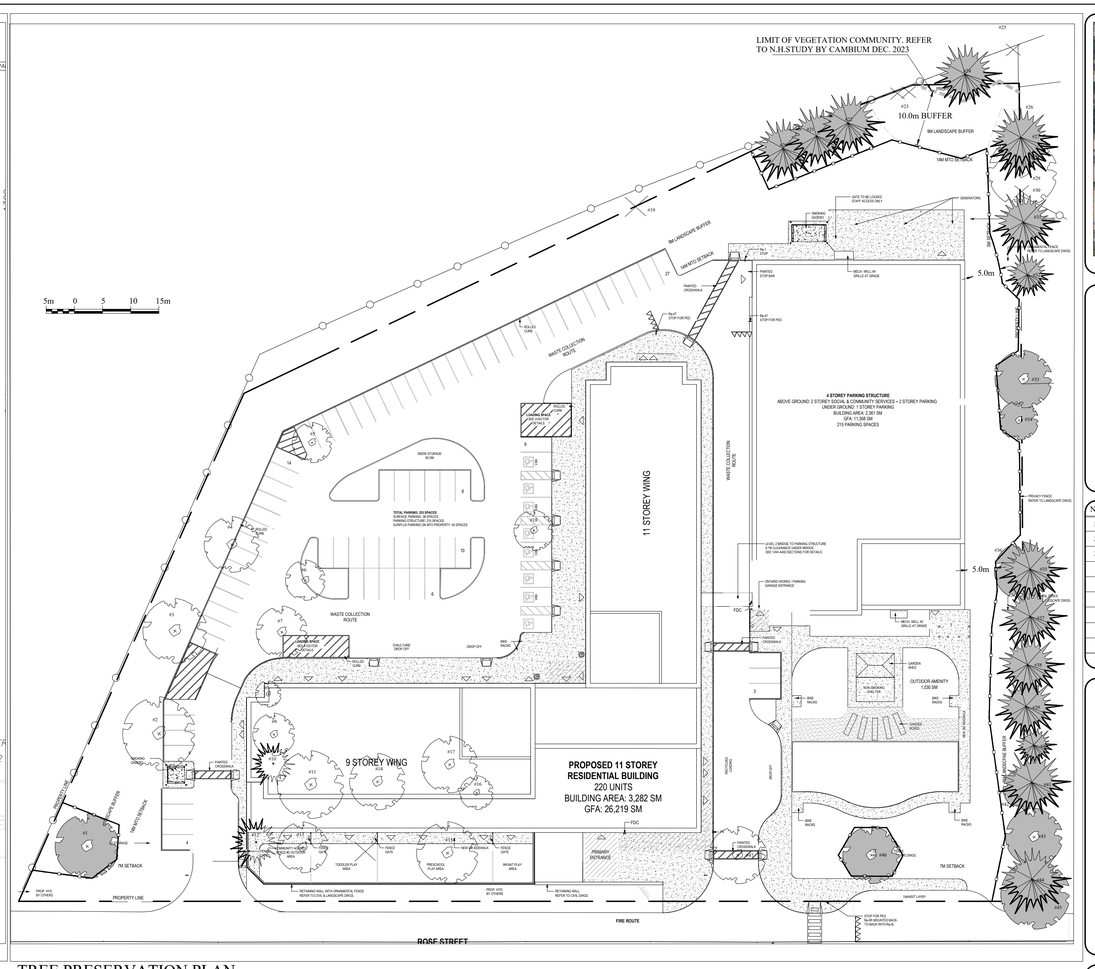


TREE INVENTORY 1:500



TREE PRESERVATION PLAN 1:500

KEY MAP N.T.S.

GENERAL NOTES

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SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

No.	REVISION	DATE	APRVD.
1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	StT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	StT
3.	REVISED AS PER CITY COMMENTS	September 13, 2024	StT

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BASE PLAN REVISED: FEBRUARY, 2024

Client info:
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1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE:

LANDSCAPE ARCHITECTS STAMP

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arboristsfs
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

TREE INVENTORY/PRESERVATION PLAN

SCALE: 1:500	DESIGNED BY: StT	REVIEWED BY: NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	TP-1

Rose st

Tree #	# of Trees	Common Name	Botanical Name	DBH cm	Height m	Crown Ø (m)	Maturity		Health Conditions
1	1	*Acer platanoides 'Crimson King'*	Crimson Norway Maple	45	12	12	Mature	Good	
2	1	*Acer platanoides*	Norway Maple	50	12	13	Mature	Good	
3	1	*Acer platanoides*	Norway Maple	48	12	12	Mature	Good- Fair	Leaning 5 degrees
4	1	*Acer platanoides*	Norway Maple	36	12	10	Mature	Fair-Poor	Asymmetric
5	1	*Acer platanoides 'Crimson King'*	Crimson Norway Maple	36	10	7	Mature	Poor	Dieback
6	1	*Tilia cordata*	Linden	38	14	7	Mature	Good- Fair	
7	1	*Tilia cordata*	Linden	35	10	9	Mature	Good	
8	1	*Tilia cordata*	Linden	34	8	4.5	Mature	Poor	
9	1	*Tilia cordata*	Linden	35	12	7.5	Mature	Good- Fair	
10	1	*Picea pungens*	Colorado Blue Spruce	44	14	7	Mature	Good	
11	1	*Acer saccharum*	Sugar Maple	60	14	12	Mature	Good	
12	1	*Picea pungens*	Colorado Blue Spruce	43	12	6.5	Mature	Fair	
13	1	*Acer platanoides 'Crimson King'*	Crimson Norway Maple	50	12	9	Mature	Good	
14	1	*Tilia cordata*	Linden	40	10	10	Mature	Good	
15	1	*Acer platanoides 'Crimson King'*	Crimson Norway Maple	57	14	11	Mature	Good	
16	1	*Tilia cordata*	Linden	38	14	6	Mature	Good	
17	1	*Tilia cordata*	Linden	40	12	10	Mature	Good- Fair	
18	1	*Malus sylvestris*	Crab Apple	35	7	7	Mature	Poor	Dead branches
19	1		Dead tree						
20	1	*Pinus nigra*	Austrian Pine	37+22+22+25	10	10	Mature	Fair	Forked at base
21	1	*Pinus nigra*	Austrian Pine	34	11	10	Mature	Fair	Multistem, forked at base
22	1	*Pinus nigra*	Austrian Pine	42	12	10.5	Mature	Good	
23	2		Dead						
24	1	*Pinus sylvestris*	Scots Pine	54	16	10	Mature	Poor	Top canopy, 2 adjacent dead trees
25	1		Dead						
26	1		Dead Ash						
27	1	*Picea abies*	Norway Spruce	50	18	13	Mature	Good	
28	1	*Picea abies*	Norway Spruce	45	18	13	Mature	Good	
29	1	*Quercus rubra*	Red Oak	24	18	12	Mature	Good	
30	1		Dead Norway Spruce						
31	1	*Picea abies*	Norway Spruce	60	20	13	Mature	Good	
32	1	*Picea abies*	Norway Spruce	50	20	9	Mature	Fair	With treehouse
33	1	*Acer negundo*	Manitoba Maple	35	10	10	Mature	Fair	
34	1	*Juglans nigra*	Walnut	25	10	7	Mature	Fair	
35	1	*Picea abies*	Norway Spruce	40	20	10	Mature	Good	
36	1	*Morus alba*	White Mulberry	20	10	10.5	Mature	Fair	Forked base
37	1	*Picea abies*	Norway Spruce	60	20	14	Mature	Good	
38	1	*Picea abies*	Norway Spruce	38	20	14	Mature	Good	
39	1	*Picea abies*	Norway Spruce	60	20	14	Mature	Good	
40	1	*Picea abies*	Norway Spruce	30	18	8	Mature	Fair	
41	1	*Picea abies*	Norway Spruce	14	20	12	Imature	Good	
42	1	*Morus alba*	White Mulberry	10+15	8	7	Mature	Fair-Poor	Forked at base, trunk cavity
43	1	*Acer platanoides*	Norway Maple	60	18	9	Mature	Fair	Top canopy
44	1	*Picea abies*	Norway Spruce	70	20	14	Mature	Fair	Top canopy
45	1	*Acer platanoides*	Norway Maple	32	11	12	Mature	Good	
46	1	*Acer platanoides 'Crimson King'*	Crimson Norway Maple	65	12	10	Mature	Good	
47	1	*Acer platanoides 'Crimson King'*	Crimson Norway Maple	69	12	10	Mature	Good	

Note:
There is 1 native trees proposed to be removed on site.
COB Ecological offset = 1trees X $500/tree = $500

Note:
- NO ENDANGERED SPECIES OF TREES HAVE BEEN IDENTIFIED ON THIS SITE AND ADJACENT LANDS.
- TREE LOCATIONS HAVE BEEN SURVEYED BY "BOWERS JONES FOURNIER SURVEYING LTD., MAY 26, 2021."
OTHER BOUNDARY TREES HAVE BEEN TRIANGULATED.

SUBJECT LANDS.

EXTENTS OF ENVIRONMENTALLY PROTECTED AREAS.

EXISTING CHAIN LINK FENCE TO REMAIN

EXISTING TREES SHARED WITH/ OR ON ADJACENT SITE AND HIGH VALUE TREES ON SITE TO BE PRESERVED.

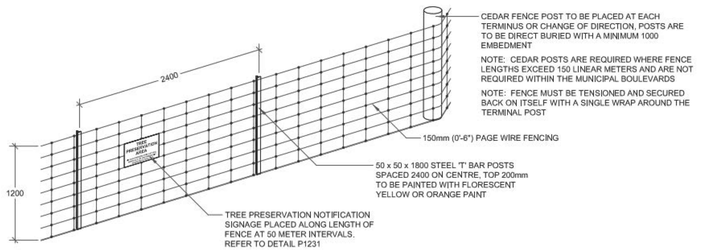
EXISTING TREES TO BE REMOVED.

#7 TREE IDENTIFICATION NUMBER. REFER TO TREE LIST ON THIS PAGE

TREE PRESERVATION / SILTATION FENCE AS PER P-1232 ON TP-2.

DEAD TREES TO BE REMOVED

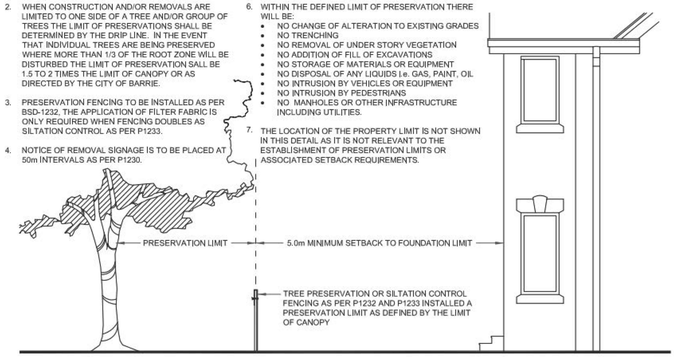
LEGEND



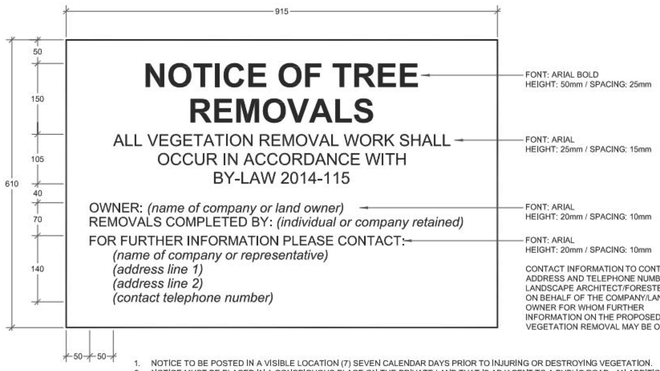
1. THIS DETAIL IS USED IN CONJUNCTION WITH P1233.
2. PAGE WIRE FENCE TO BE ATTACHED TO CEDAR RAIL POSTS WITH 'U' SHAPED GALVANIZED NAILS ON EACH HORIZONTAL STRAND.
3. USE A MINIMUM OF FOUR (4) 100MM, 16 GAUGE GALVANIZED T-POST CLIPS TO ATTACH PAGE WIRE FENCE TO EACH "T" BAR POST.
4. "T" BARS ARE TO BE DRIVEN INTO THE GROUND TO A MINIMUM DEPTH OF 600mm.
5. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
6. THIS DETAIL TO BE USED IN CONJUNCTION WITH P1230, P1231, P1234 AND P1235.

Barrie	FENCE TREE PRESERVATION	REV No. 2	DATE: APR 2023 SCALE: N.T.S.
		P1232	

1. THE DRIP LINE IS MEASURED FROM THE OUTER MOST LIMIT OF BRANCHING WITHIN THE CROWN OF THE TREE. THE FURTHEST DISTANCE SHALL APPLY TO THE ENTIRE PERIMETER OF THE CROWN.
2. WHEN CONSTRUCTION AND/OR REMOVALS ARE LIMITED TO ONE SIDE OF A TREE AND/OR GROUP OF TREES THE LIMIT OF PRESERVATIONS SHALL BE DETERMINED BY THE DRIP LINE. IN THE EVENT THAT INDIVIDUAL TREES ARE BEING PRESERVED WHERE MORE THAN 1/3 OF THE ROOT ZONE WILL BE DISTURBED THE LIMIT OF PRESERVATION SALL BE 1.5 TO 2 TIMES THE LIMIT OF CANOPY OR AS DIRECTED BY THE CITY OF BARRIE.
3. PRESERVATION FENCING TO BE INSTALLED AS PER BSD-1232. THE APPLICATION OF FILTER FABRIC IS ONLY REQUIRED WHEN FENCING DOUBLES AS SILTATION CONTROL AS PER P1233.
4. NOTICE OF REMOVAL SIGNAGE IS TO BE PLACED AT 50m INTERVALS AS PER P1230.
5. THERE IS TO BE NO GRADING, CONSTRUCTION OF SWALES, CATCH BASINS OR OTHER DRAINAGE CONTROLS PLACED WITHIN THE LIMIT OF PRESERVATION.
6. WITHIN THE DEFINED LIMIT OF PRESERVATION THERE WILL BE:
   - NO CHANGE OF ALTERATION TO EXISTING GRADES
   - NO TRENCHING
   - NO REMOVAL OF UNDER STORY VEGETATION
   - NO ADDITION OF FILL OF EXCAVATIONS
   - NO STORAGE OF MATERIALS OR EQUIPMENT
   - NO DISPOSAL OF ANY LIQUIDS i.e. GAS, PAINT, OIL
   - NO INTRUSION BY VEHICLES OR EQUIPMENT
   - NO INTRUSION BY PEDESTRIANS
   - NO MANHOLES OR OTHER INFRASTRUCTURE INCLUDING UTILITIES.
7. THE LOCATION OF THE PROPERTY LIMIT IS NOT SHOWN IN THIS DETAIL AS IT IS NOT RELEVANT TO THE ESTABLISHMENT OF PRESERVATION LIMITS OR ASSOCIATED SETBACK REQUIREMENTS.



Barrie	TREE PRESERVATION LIMIT DEVELOPMENT APPROVALS	REV No. 2	DATE: APR 2023 SCALE: N.T.S.
		P1235	



1. NOTICE TO BE POSTED IN A VISIBLE LOCATION (7) SEVEN CALENDAR DAYS PRIOR TO INJURING OR DESTROYING VEGETATION.
2. NOTICE MUST BE PLACED IN A CONSPICUOUS PLACE ON THE PRIVATE LAND THAT IS ADJACENT TO A PUBLIC ROAD. AN ADDITIONAL SIGN IS REQUIRED FOR EACH PUBLIC ROAD FRONTAGE.
3. SIGNAGE MUST REMAIN IN PLACE FOR A PERIOD OF NO LESS THAN (2) TWO MONTHS FOLLOWING THE COMPLETION OF VEGETATION REMOVALS FROM THE SUBJECT SITE.
4. ALL DIMENSIONS ARE IN MILLIMETRES.

Barrie	SIGN TREE REMOVAL NOTIFICATION	REV No. 3	DATE: APR 2023 SCALE: N.T.S.
		P1230	

1. SIGNS MUST BE FABRICATED FROM WEATHER RESISTANT MATERIAL.
2. SIGNS ARE TO BE SECURELY FASTENED AND PLACED IN 50 METER INTERVALS ALONG ALL TREE PRESERVATION FENCING.
3. SIGNS MUST REMAIN POSTED FOR THE DURATION OF THE PROJECT OR UNTIL APPROVAL TO REMOVE PRESERVATION FENCING IS PROVIDED BY THE MUNICIPALITY.
4. ALL DIMENSIONS ARE IN MILLIMETRES.
5. THIS DETAIL IS TO BE USED IN CONJUNCTION WITH P1230 AND P1232.

Barrie	SIGN TREE PRESERVATION AREA	REV No. 2	DATE: APR 2023 SCALE: N.T.S.
		P1231	

THE INTENT OF TREE PRESERVATION AND PROTECTION IS TO PROVIDE AN INVENTORY OF EXISTING TREES ON SITE. IT IS NOT A SURVEY AND THEREFORE THE EXACT LOCATION OF EXISTING TREES MUST BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS.

ALL TREES TO BE PRESERVED SHALL BE INDICATED AND MARKED AS SUCH ON SITE BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCING OF THE CLEARING AND GRUBBING CONTRACT.

AS PART OF THE CLEARING AND GRUBBING CONTRACTUAL WORK, TREES LOCATED AT THE EDGES OF ALL PRESERVATION AREAS REGARDLESS OF SIZE ARE TO BE PRUNED OF DEAD AND DISEASED LIMBS AND INDIVIDUAL SPECIMENS AND ARE TO BE REMOVED IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICES AND TO THE SATISFACTION OF THE CITY OF BARRIE UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT.

IN THE EVENT THAT A TREE THAT HAS BEEN DESIGNATED FOR PRESERVATION IS DAMAGED OR REMOVED WITHOUT PRIOR WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT AND CITY OF BARRIE, THE LAND OWNER SHALL BE RESPONSIBLE FOR THE REMOVAL AND OR DAMAGE AS OUTLINED IN BYLAW 2014-115, SECTION 15.

SPECIFICATIONS FOR PRESERVATION & PROTECTION

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS, ALL TREES OR BLOCKS OF TREES THAT HAVE BEEN DESIGNATED FOR PRESERVATION, AS INDICATED ON THE ACCOMPANYING PLAN SHALL BE FULLY PROTECTED BY THE ERECTION OF HOARDING OUTSIDE OF OR AT THE DRIP LINE (REFER TO BSD-1235).

EQUIPMENT OR VEHICLES SHALL NOT BE PARKED, REPAIRED OR REFUELED WITHIN TREE PROTECTION ZONE, CONSTRUCTION MATERIALS SHALL NOT BE STORED AND EARTH MATERIALS SHALL NOT BE STOCKPILED WITHIN THE DRIP LINE AREA OF ANY TREE NOT DESIGNATED FOR REMOVAL.

ANY TREES NOT DESIGNATED FOR REMOVAL SHALL NOT HAVE RIGGING CABLES ATTACHED OR WRAPPED AROUND THEM. NOR SHALL ANY CONTAMINANTS BE DUMPED WITHIN THE PROTECTIVE AREAS. FURTHER, NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE THEY MAY COME INTO CONTACT WITH THE FEEDER ROOTS OF THE TREES TO BE PRESERVED.

THE CONTRACTOR OR LAND OWNER SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO TREES OR SHRUBS THAT ARE NOT DESIGNATED FOR REMOVAL AS PER THE ACCOMPANYING PLAN.

UNLESS THE CONTRACT WORK SPECIFICALLY REQUIRES WORK WITHIN THE DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL, EQUIPMENT SHALL NOT BE OPERATED WITHIN THAT DRIP LINE AREA. WHEN CONTRACT WORK MUST BE COMPLETED WITHIN THE DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL, OPERATION OF EQUIPMENT WITHIN THAT DRIP LINE SHALL BE KEPT TO THE MINIMUM AMOUNT REQUIRED TO COMPLETE THE WORKS. PRIOR TO THE COMMENCEMENT OF SUCH WORKS THE LANDSCAPE ARCHITECT AND CITY OF BARRIE MUST BE GIVEN WRITTEN NOTIFICATION AND WILL SUBSEQUENTLY BE REQUIRED TO INSPECT SAID WORKS.

THE CONTRACTOR'S OPERATION SHALL IN NO WAY CAUSE DAMAGE TO THE TRUNK OR BRANCHES OF TREES NOT DESIGNATED FOR REMOVAL.

THE CONTRACTOR'S OPERATION SHALL NOT CAUSE FLOODING OR SEDIMENT DEPOSITS IN AREAS WHERE TREES ARE NOT DESIGNATED FOR REMOVAL.

IN THE EVENT THAT IT IS NECESSARY TO REMOVE LIMBS OR PORTIONS OF TREES NOT DESIGNATED FOR REMOVAL, WRITTEN APPROVAL AND DIRECTION MUST BE GIVEN BY THE LANDSCAPE ARCHITECT AND CITY OF BARRIE PRIOR TO ANY WORKS. THE REMOVALS MUST BE EXECUTED CAREFULLY AND IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES AND TECHNIQUES.

IN THE EVENT THAT GRADES AROUND A TREE DESIGNATED FOR PRESERVATION ARE TO BE CHANGED, THE DEVELOPER, AGENT OR LAND OWNER SHALL BE REQUIRED TO TAKE PRECAUTIONS TO PRESERVE THE TREE, SUCH AS DRY WELLING AND ROOT FEEDING. THE PROTECTION MEASURES MUST BE DONE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND CITY OF BARRIE.

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND/OR REMOVAL OF DEAD, DYING, DISEASED TREES WITHIN THE LIMIT OF THIS PLAN UNTIL END OF GENERAL MAINTENANCE.

NOTES FOR TREE PRESERVATION AND PROTECTION

NOTE:
NO TREE CUTTING SHALL OCCUR BETWEEN APRIL 1st AND OCTOBER 31st
UNLESS CLEARANCE FROM M.N.R. AND M.E.C.P. IS PROVIDED.

1. PROTECTION AREA IS INITIALLY IDENTIFIED IN THE FIELD BY A LICENSED ONTARIO SURVEYOR. THIS LINE APPROXIMATELY ESTABLISHES THE LIMITS OF TREE PRESERVATION SUBJECT TO AN ON-SITE MEETING WITH CITY OF BARRIE PARKS PLANNING STAFF AND THE LANDSCAPE ARCHITECT/ARBORIST.

2. THE LANDSCAPE ARCHITECT/ARBORIST AND THE CITY OF BARRIE PARKS PLANNING STAFF MEET TO REVIEW THE SURVEYED LINE PRIOR TO ANY TREE REMOVAL OCCURRING, AND TO ADJUST THE LINE WHERE APPROPRIATE TO REFLECT THE ACTUAL NATURE OF A TREED AREA AS OPPOSED TO A STRAIGHT CUT LINE.

3. TREES THAT ARE SUSCEPTIBLE TO FALLING ONTO PRIVATE PROPERTY OR MUNICIPAL PROPERTY FROM WITHIN THE TREE PRESERVATION ZONE WILL BE IDENTIFIED FOR REMOVAL. REMOVAL WILL TAKE PLACE AS PRESCRIBED IN ITEM #6 BELOW.

4. ONCE THE SITE VISIT HAS CONCLUDED, THEN TREE PRESERVATION FENCING WILL BE ERECTED ALONG THE AGREED TREE PRESERVATION LINE.

5. FULL TREE REMOVAL OUTSIDE OF THE TREED AREAS MAY OCCUR ONCE THE PRESERVATION FENCING HAS BEEN ERECTED, TREE REMOVAL PERMIT ISSUED, AND SIGNAGE POSTED A MINIMUM OF 7 DAYS PRIOR TO COMMENCING TREE REMOVAL ACTIVITIES ON SITE (AS PER BY-LAW 2014-115).

6. TREES ARE TO BE FELLED IN SUCH A MANNER AS TO NOT DISTURB VEGETATION TO REMAIN. NO MACHINERY OR EQUIPMENT SHALL BE OPERATED OR STORED WITHIN THE DRIPLINE OF PROTECTED TREES.

7. STUMP REMOVALS ARE TO BE IMPLEMENTED AS TO NOT TO DISTURB THE GROUND WITHIN THE TREE PRESERVATION ZONE.

8. ONCE TREE REMOVAL HAS OCCURRED, AND PRIOR TO THE ISSUANCE OF THE UNDERGROUND CERTIFICATE, A RE-INSPECTION OF THE TREE PRESERVATION AREAS MUST OCCUR WITH CITY OF BARRIE STAFF AND THE LANDSCAPE ARCHITECT/ARBORIST. ANY ADDITIONAL TREES TO BE REMOVED WILL BE NOTED BY THE CITY OF BARRIE PARKS PLANNING STAFF AND LANDSCAPE ARCHITECT/ ARBORIST.

9. ALL TREES ON ADJACENT PRIVATE LAND SHALL RECEIVE DRIPLINE PROTECTION.

KEY MAP N.T.S.

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SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

No.	REVISION	DATE	APRVD.
1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	SiT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	SiT
3.	REVISED AS PER CITY COMMENTS	September 13, 2024	SiT

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BASE PLAN REVISED: FEBRUARY, 2024

Client info:
County of Simcoe, Social Housing Department
1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
OALA
MEMBER

LANDSCAPE ARCHITECT'S STAMP
STAMP AND SIGNATURE VOID IF REPRODUCED

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

TREE PRESERVATION DETAILS

SCALE: NTS	DESIGNED BY: SiT	REVIEWED BY: NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	TP-2

CODE	QNTY	COMMON NAME	BOTANICAL NAME	SIZE	FORM	SPACING	DETAIL	NOTES
DECIDUOUS TREES								
Ac	4	SHADBLOW SERVICEBERRY	Amelanchier canadensis	60 mm	W.B.	4.0 m o/c	P1310	Full Form
Af	4	AUTUMN BLAZE MAPLE	Acer x freemanii 'Jeffersred'	60 mm	W.B.	9.0 m o/c	P1310	Full Form
Gb	2	PRINCETON SENTRY MAIDENHAIR TREE	Gingko biloba 'Princeton Sentry'	60 mm	W.B.	8.0 m o/c	P1310	Full Form
Gt	4	SHADEMASTER HONEYLOCUST	Gleditsia triacanthos var. inermis 'Shademaster'	60 mm	W.B.	9.0 m o/c	P1310	Full Form
MxS	4	SAUCER MAGNOLIA	Magnolia x soulangiana	200 cm	w.b.	as shown	P1310	Full Form
MbC	1	SIBERIAN CRABAPPLE	Malus baccata 'Columnaris'	60 mm	W.B.	2.0 m o/c	P1310	Full Form
MxP	9	RED SPLENDOR CRABAPPLE	Malus 'Red Splendor'	60 mm	W.B.	7.0 m o/c	P1310	Full Form
PsK	12	KWANZAN FLOWERING CHERRY	Prunus serrulata 'Kwanzan'	60 mm	W.B.	6.0 m o/c	P1310	Full Form
Qc	4	SCARLET OAK	Quercus coccinea	60 mm	W.B.	9.0 m o/c	P1310	Full Form/Acidic soil
Qr	20	RED OAK	Quercus rubra	60 mm	W.B.	9.0 m o/c	P1310	Full Form
Tt	3	STERLING SILVER LINDEN	Tilia tomentosa 'Sterling Silver'	60 mm	W.B.	9.0 m o/c	P1310	Full Form

Do not prune the oaks from April to November

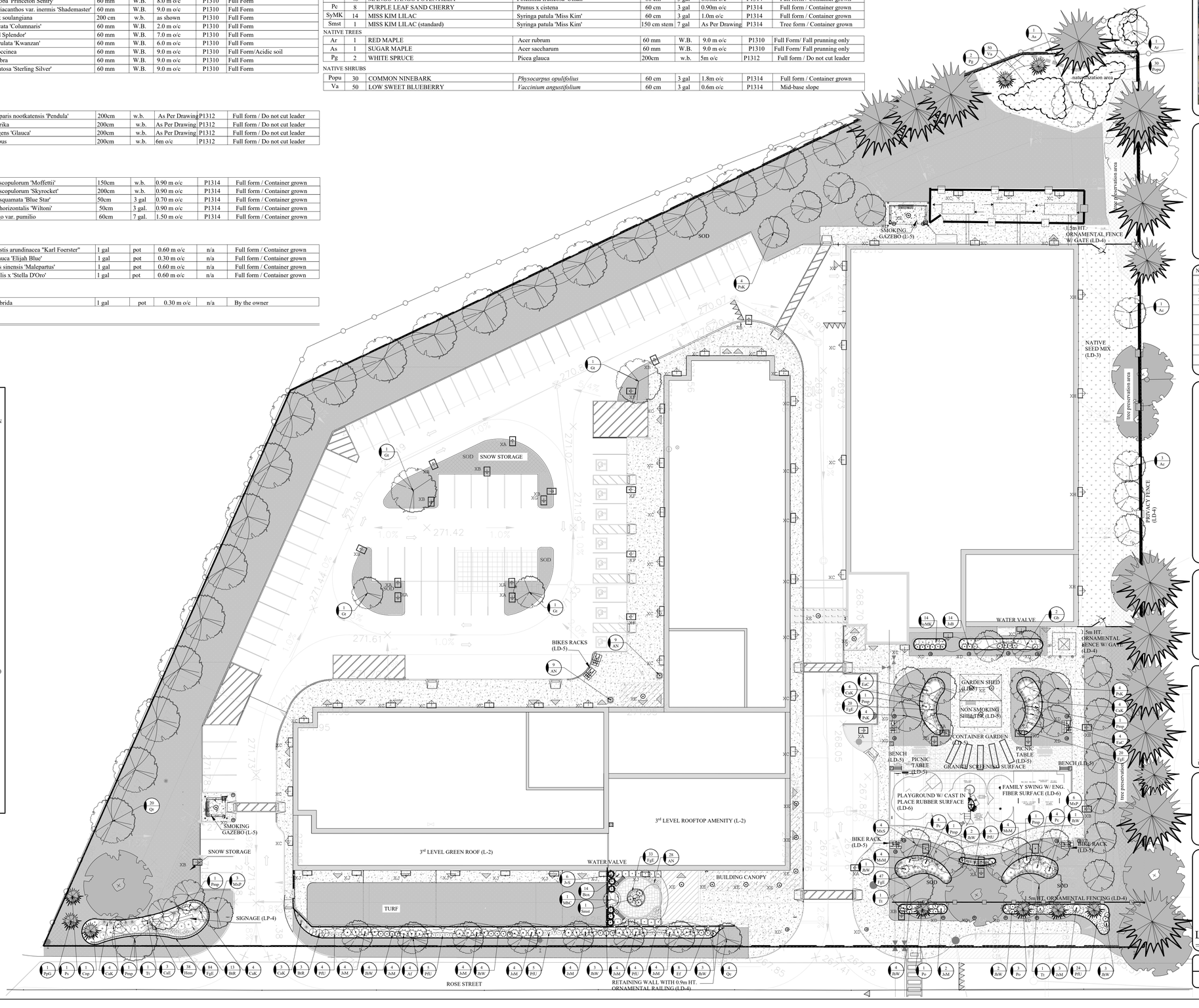
CODE	QNTY	COMMON NAME	BOTANICAL NAME	SIZE	FORM	SPACING	DETAIL	NOTES
CONIFEROUS TREES								
Cnp	1	WEEPING FALSE CYPRESS	Chamaecyparis nootkatensis 'Pendula'	200cm	w.b.	As Per Drawing	P1312	Full form / Do not cut leader
Po	4	SERBIAN SPRUCE	Picea omorika	200cm	w.b.	As Per Drawing	P1312	Full form / Do not cut leader
PpG	1	COLORADO BLUE SPRUCE	Picea pungens 'Glauca'	200cm	w.b.	As Per Drawing	P1312	Full form / Do not cut leader
Ps	1	EASTERN WHITE PINE	Pinus strobus	200cm	w.b.	6m o/c	P1312	Full form / Do not cut leader
EVERGREENS								
JsM	33	MOFFET JUNIPER	Juniperus scopulorum 'Moffettii'	150cm	w.b.	0.90 m o/c	P1314	Full form / Container grown
JvS	6	SKYROCKET JUNIPER	Juniperus scopulorum 'Skyrocket'	200cm	w.b.	0.90 m o/c	P1314	Full form / Container grown
JsB	14	BLUE STAR JUNIPER	Juniperus squamata 'Blue Star'	50cm	3 gal	0.70 m o/c	P1314	Full form / Container grown
JhW	27	BLUE RUG JUNIPER	Juniperus horizontalis 'Wiltoni'	50cm	3 gal.	0.90 m o/c	P1314	Full form / Container grown
Pmp	6	MUGHO PINE	Pinus mugo var. pumilio	60cm	7 gal.	1.50 m o/c	P1314	Full form / Container grown
ORNAMENTAL GRASSES AND PERENNIALS								
CaK	19	KARL FOERSTER FEATHER REED GRASS	Calamagrostis arundinacea "Karl Foerster"	1 gal	pot	0.60 m o/c	n/a	Full form / Container grown
FgE	204	ELIJAH'S BLUE FESCUE	Festuca glauca 'Elijah Blue'	1 gal	pot	0.30 m o/c	n/a	Full form / Container grown
MsM	8	MALEPARTUS MAIDEN GRASS	Miscanthus sinensis 'Malepartus'	1 gal	pot	0.60 m o/c	n/a	Full form / Container grown
Hem	38	STELLA D'ORO DAYLILY	Hemerocallis x 'Stella D'Oro'	1 gal	pot	0.60 m o/c	n/a	Full form / Container grown
ANNUALS								
AN	46	ANNUALS BY THE OWNER	Petunia hybrida	1 gal	pot	0.30 m o/c	n/a	By the owner

PLANT LIST

REFER TO PLANTER NOTES AND DETAILS ON LD-3

CODE	QNTY	COMMON NAME	BOTANICAL NAME	SIZE	FORM	SPACING	DETAIL	NOTES
DECIDUOUS SHRUBS								
BtR	16	ROSE GLOW BARBERRY	Berberis thunbergii 'Rose Glow'	60 cm	3 gal	0.80 m o/c	P1314	Full form/ Container grown
Box	14	GREEN MOUNTAIN BOXWOOD	Buxus x 'Green Mountain'	50cm	3 gal.	0.45 m o/c	P1314	Full form / Container grown
CaE	3	SILVER EDGE DOGWOOD	*Cornus alba 'Elegantissima'*	60 cm	3 gal	1.10m o/c	P1314	Full form / Container grown
EaC	8	DWARF WINGED BURNING BUSH	Euonymus alatus 'Compactus'	60 cm	3 gal.	1.60 m o/c	P1314	Full form / Container grown
Ef	8	EMERALD GAIETY EUONYMUS	Euonymus fortunei 'Emerald Gaiety'	50cm	3 gal.	0.80 m o/c	P1314	Full form / Container grown
PfU	48	MANGO TANGO POTENTILLA	Potentilla fruticosa 'Uman'	60 cm	3 gal	0.60m o/c	P1314	Full form / Container grown
Pc	8	PURPLE LEAF SAND CHERRY	Prunus x cistena	60 cm	3 gal	0.90m o/c	P1314	Full form / Container grown
SyMK	14	MISS KIM LILAC	Syringa patula 'Miss Kim'	60 cm	3 gal	1.0m o/c	P1314	Full form / Container grown
Smst	1	MISS KIM LILAC (standard)	Syringa patula 'Miss Kim'	150 cm stem	7 gal	As Per Drawing	P1314	Tree form / Container grown
NATIVE TREES								
Ar	1	RED MAPLE	Acer rubrum	60 mm	W.B.	9.0 m o/c	P1310	Full Form/ Fall prunning only
As	1	SUGAR MAPLE	Acer saccharum	60 mm	W.B.	9.0 m o/c	P1310	Full Form/ Fall prunning only
Pg	2	WHITE SPRUCE	Picea glauca	200cm	w.b.	5m o/c	P1312	Full form / Do not cut leader
NATIVE SHRUBS								
Popu	30	COMMON NINEBARK	*Physocarpus opulifolius*	60 cm	3 gal	1.8m o/c	P1314	Full form / Container grown
Va	50	LOW SWEET BLUEBERRY	*Vaccinium angustifolium*	60 cm	3 gal	0.6m o/c	P1314	Mid-base slope

		TREES	SHRUBS
	Axx	C=x*0.35	T=((C*0.25)/25)	T=(C*0.75)
Applied Formula @ 35% Density	306	107	1	80
PROPOSED		4	80



SUBJECT LANDS.

EXISTING TREES SHARED WITH/ OR ON ADJACENT SITE AND HIGH VALUE TREES ON SITE TO BE PRESERVED.

DECIDUOUS TREES (LD-3)

CONIFERS (LD-3)

SHRUBS (LD-3)

EVERGREENS (LD-3)

PERENNIALS AND ANNUALS

ORNAMENTAL GRASSES

PLANT BED WITH COMMERCIAL ALUMINUM PERMALOC PROLINE LANDSCAPE EDGING MIN. 6" DEPTH.

LIGHTS (Lighting plan)

EXISTING CHAIN LINK FENCE TO REMAIN

PRIVACY FENCE P1206 (LD-4)

4m x 1m x 0.45m (typ.) RAISED TIMBER BOX (CEDAR) CONTAINER GARDEN (LD-5)

BIKE RACK ON CONCRETE PAD (LD-5)

BENCH (LD-5) WITH ATTACHED PLANTER (P)

LITTER CONTAINER (LD-5)

SOD AREA

NATIVE SEED MIX AREA (LD-3)

ORNAMENTAL FENCE/ GUARD RAILS (LD-4)

WANNSEE PLANTER WITH ANNUALS (LD-5)

GENERAL LEGEND

5m 0 5 10 15m

KEY MAP N.T.S.

GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR ALL LOCATES INCLUDING ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION OR INSTALLATIONS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

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SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

No.	REVISION	DATE	APRVD.
1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	StT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	StT
3.	REVISED AS PER CITY COMMENTS	September 13, 2024	StT

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THIS DRAWING IS NOT TO BE SCALED.

BASE PLAN REVISED: FEBRUARY, 2024

Client info:
County of Simcoe, Social Housing Department
1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE

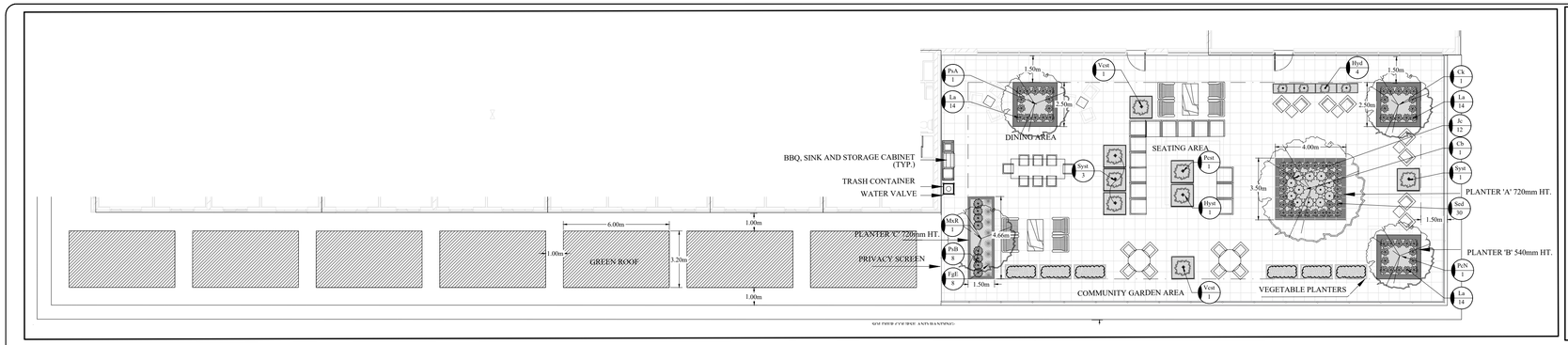
LANDSCAPE ARCHITECTS STAMP

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

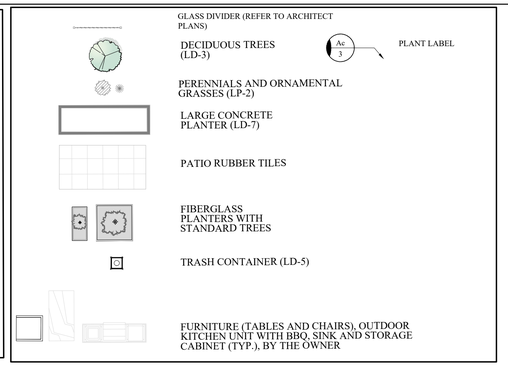
LANDSCAPE PLAN

SCALE:	DESIGNED BY:	REVIEWED BY:
1/300	StT	NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	L-1



ROOFTOP AMENITY LANDSCAPE PLAN

REFER TO DETAILS ON LD-7



LEGEND

KEY MAP N.T.S.

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1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	SiT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	SiT
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RAISED PLANTER. REFER TO DETAILS ON LD-7

MOVABLE VEGETABLE PLANTER. TO BE PROVIDED BY OWNER

DINING SEATING. TO BE PROVIDED BY OWNER

BBQ. TO BE PROVIDED BY OWNER

TRASH RECEPTACLE

POSTDAM FIBERGLASS PLANTERS

MONTROY FIBERGLASS PLANTERS

NOTE:
SITE FURNITURE (MOVABLE PLANTER BOXES, TABLE & CHAIRS, TRASH RECEPTACLES, & BARBEQUES) TO BE PROVIDED BY THE OWNER

CODE	QNTY	COMMON NAME	BOTANICAL NAME	SIZE	FORM	SPACING	DETAIL	NOTES
TREES								
Cb	1	BLUE BEECH	Carpinus caroliniana	50 mm	W.B.	as shown	P1310	Full Form
Ck	1	SATOMI FLOWERING DOGWOOD	Cornus kousa 'Satomi'	150 cm	10 gal	6.0 m o/c	P1310	Tree Form/Container grown
MxR	1	RED SPLENDOR CRABAPPLE	Malus 'Red Splendor'	60 mm	W.B.	7.0 m o/c	P1310	Full Form
PcN	1	NEWPORT PURPLE LEAF PLUM	Prunus cerasifera 'Newport'	60 mm	W.B.	5.0 m o/c	P1310	Full Form
PsA	1	JAPANESE FLOWERING CHERRY	Prunus serrulata 'Amanogawa'	60 mm	W.B.	2.0 m o/c	P1310	Full Form
DECIDUOUS SHRUBS								
Hyd	4	TWIST & SHOUT HYDRANGEA	Hydrangea macrophylla Twist & Shout	3 gal	pot	As shown	P1314	Full form / Container grown
Hyst	1	PEEGEE HYDRANGEA (standard)	Hydrangea paniculata 'Grandiflora'	150 cm stem	7 gal	As Per Drawing	P1314	Tree form / Container grown
Pcst	1	PURPLE LEAF SAND CHERRY (standard)	Prunus x cistena	150 cm stem	7 gal	As Per Drawing	P1314	Tree form / Container grown
Syst	4	MISS KIM LILAC (standard)	Syringa patula 'Miss Kim'	150 cm stem	7 gal	As Per Drawing	P1314	Tree form / Container grown
Vcst	1	KOREAN SPICE VIBURNUM (standard)	Viburnum carlesii	150 cm stem	7 gal	As Per Drawing	P1314	Tree form / Container grown
SPREADING EVERGREENS								
Jc	12	GREEN CARPET JUNIPER	Juniperus communis 'Green Carpet'	20cm	3 gal	0.60 m o/c	P1314	Full form / Container grown
PERENNIALS								
FgE	8	ELIJAH'S BLUE FESCUE	Festuca glauca 'Elijah Blue'	1 gal	pot	0.30 m o/c	n/a	Full form / Container grown
PsB	8	EMERALD BLUE CREEPING	Phlox subulata 'Emerald Blue'	1 gal	pot	0.60 m o/c	n/a	Full form / Container grown
La	42	HIDCOTE BLUE ENGLISH LAVENDER	Lavandula angustifolia 'Hidcote Blue'	1 gal	pot	0.45 m o/c	n/a	Full form / Container grown
Sed	30	BIRTHDAY PARTY STONECROP	Sedum x 'Birthday Party'	2 gal	pot	0.30 m o/c	n/a	Full form / Container grown
GROUND COVER								
Sed	134 m2	STONECROP VEGETATION	Sedum (Mixed species)	1 gal	plugs	20/m2	n/a	Full form / Container grown

PLANT LIST

REFER TO PLANTER NOTES AND DETAILS ON LD-3

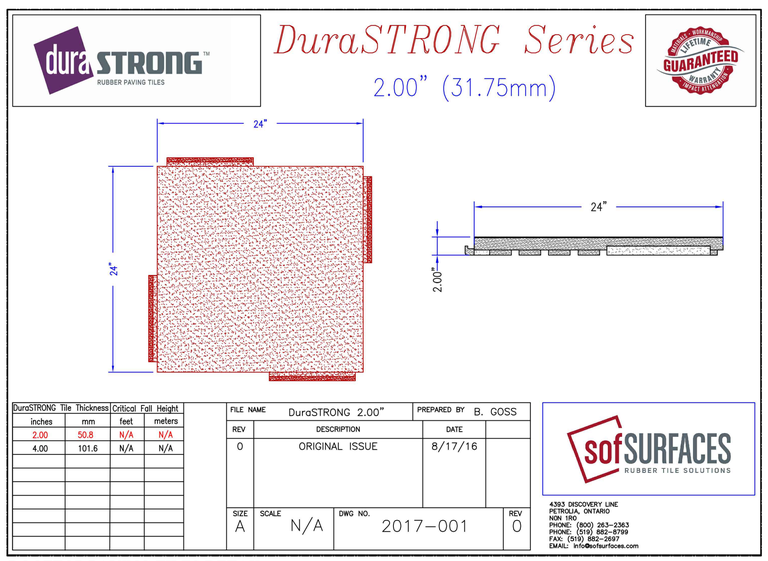
POSTDAM PLANTER
L 1219mm | W 406mm | H 813mm

MONTROY PLANTER
1219mm | W 1219mm | H 1219mm

FIBERGLASS PLANTER SPECIFICATIONS

N.T.S.

Provided by Greenville Planters or similar equal
1295 Kamato Road | Mississauga, ON L4W 2M2 | info@greenvilledesigns.com
T: 905-361-1368 | greenvilledesigns.com



ROOFTOP PAVING TILES DETAIL

RUBBER TILES UNDER PERENNIAL PLANTERS SHALL HAVE HOLES DRILLED THROUGH FOR PLANTER DRAINAGE.

HOLES TO BE DRILLED ENTIRELY THROUGH THE TILE IN A 50X50mm GRID PATTERN

REFER TO EXAMPLE GRAPHIC.

AMENITY PAVING TILES DETAIL

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BASE PLAN REVISED: FEBRUARY, 2024

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Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE

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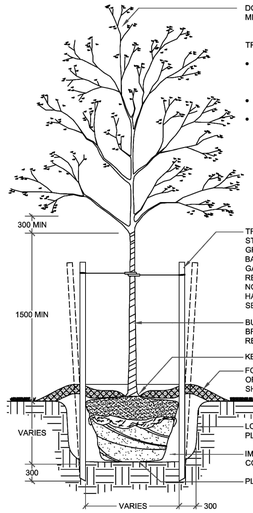
Landscape Architects
Arboristsi
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

ROOFTOP LANDSCAPE PLAN

SCALE: 1/150	DESIGNED BY: SiT	REVIEWED BY: NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	L-2



DO NOT PRUNE LEADERS, TREES WITH DAMAGED OR MISSING LEADERS WILL NOT BE ACCEPTED

TREE CROWN NOTES:

- REMOVE AT TIME OF PLANTING ANY DEAD, BROKEN OR DAMAGED LIMBS INCLUDING INTERFERING BRANCHES, DOUBLE LEADERS AND NARROW BRANCH UNIONS
- REMOVE ALL LABELS AND TAGS AT TIME OF PLANTING
- TREES ARE TO BE PLANTED PLUM AND HAVE BOTH FULL FORM AND HEALTHY CANOPY STRUCTURE. ANY TREES WHICH DO NOT MEET THIS CRITERIA AND/OR HAVE WEAK BRANCHING STRUCTURE, DO NOT HAVE STRAIGHT TRUNKS OR HAVE UNBALANCED CROWNS WILL NOT BE ACCEPTED

TREES ARE TO BE STAKED WITH (2) TWO SOFTWOOD STAKES (38x38x2400mm) EXTENDING 300mm INTO FIRM GROUND AT AN ANGLE AND SECURED VERTICAL PRIOR DO BACKFILLING THE TREE PIT. SECURE USING #12 GAUGE GALVANIZED WIRE ENCASED IN 12mm DIAMETER REINFORCED RUBBER HOSE (ENSURING WIRE ENDS TO NOT PROTRUDE) OR APPROVED EQUIVALENT. STAKING HARDWARE TO BE REMOVED AFTER ONE GROWING SEASON

BURLAP WRAP TREE FROM TOP OF ROOT BALL TO FIRST BRANCH UNION AND SECURE WITH BIODEGRADABLE TIES. REMOVE AFTER ONE GROWING SEASON

KEEP MULCH 50-100mm AWAY FROM TRUNK

FORM A 100mm HIGH EARTH SAUCER BEYOND THE EDGE OF THE ROOT BALL AND COVER WITH 100mm OF SHREDDED CEDAR MULCH

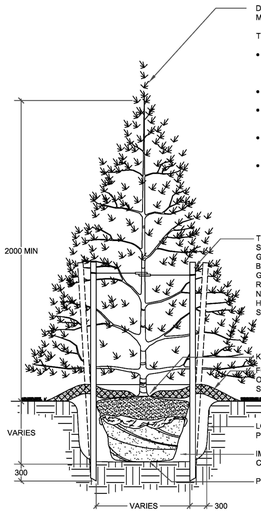
LOOSEN OR SCARIFY THE INSIDE SURFACE OF THE PLANTING HOLE PRIOR TO INSTALLATION OF THE TREE

IMPORTED FRIABLE SCREENED LOAM TOPSOIL COMPACTED TO ELIMINATE AIR POCKETS

PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL

1. ALL CALIPER TREE PLANTING SHALL HAVE A MINIMUM 600mm DIAMETER ROOT BALL.
2. CUT AND REMOVE ALL WIRE, ROPE AND BURLAP FROM THE TOP 150mm OF THE ROOT BALL AT THE TIME OF PLANTING.
3. FOR POORLY DRAINED OR COMPACTED SOILS THE ROOT BALL SHALL BE PLACED SO THAT THE ROOT COLLAR IS A MAXIMUM OF 100mm ABOVE THE FINISHED GRADE. FOR ALL OTHER INSTALLATIONS THE ROOT COLLAR SHALL BE AT OR 50mm ABOVE FINISHED GRADE.
4. ALL TREES WITHIN 3.0m OF A SIDEWALK OR DRIVEWAY MUST ALSO HAVE A COORDINATED INSTALLATION OF AN APPROVED ROOT BARRIER INSTALLED IN ADDITION TO THE TREE FOR ALL STREETSCAPE APPLICATIONS.
5. ALL TWINE AND BURLAP MUST BE BIODEGRADABLE (UNTREATED).
6. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

Barrie	DECIDUOUS TREE PLANTING	REV No. 5	DATE: APR 2023
			SCALE: N.T.S.
			P1310



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- REMOVE ALL LABELS AND TAGS AT TIME OF PLANTING
- BINDING AND TIES MUST BE REMOVED IMMEDIATELY FOLLOWING THE INSTALLATION OF THE TREE
- TREE HEIGHT IS MEASURED FROM THE FIRST WHORL AND NOT THE TOP OF LEADER
- TREES ARE TO BE PLANTED PLUM AND HAVE BOTH FULL FORM AND HEALTHY CANOPY STRUCTURE. ANY TREES WHICH DO NOT MEET THIS CRITERIA AND/OR HAVE WEAK BRANCHING STRUCTURE, DO NOT HAVE STRAIGHT TRUNKS OR HAVE UNBALANCED CROWNS WILL NOT BE ACCEPTED

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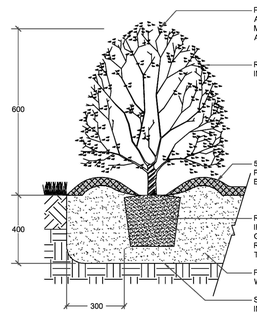
LOOSEN OR SCARIFY THE INSIDE SURFACE OF THE PLANTING HOLE PRIOR TO INSTALLATION OF THE TREE

IMPORTED FRIABLE SCREENED LOAM TOPSOIL COMPACTED TO ELIMINATE AIR POCKETS

PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL

1. ALL CONIFEROUS TREE PLANTING SHALL HAVE A MINIMUM 600mm DIAMETER ROOT BALL.
2. CUT AND REMOVE ALL WIRE, ROPE AND BURLAP FROM THE TOP 150mm OF THE ROOT BALL AT THE TIME OF PLANTING.
3. FOR POORLY DRAINED OR COMPACTED SOILS THE ROOT BALL SHALL BE PLACED SO THAT THE ROOT COLLAR IS A MAXIMUM OF 100mm ABOVE THE FINISHED GRADE. FOR ALL OTHER INSTALLATIONS THE ROOT COLLAR SHALL BE AT OR 50mm ABOVE FINISHED GRADE.
4. ALL TWINE AND BURLAP MUST BE BIODEGRADABLE (UNTREATED).
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

Barrie	CONIFEROUS TREE PLANTING	REV No. 5	DATE: APR 2023
			SCALE: N.T.S.
			P1312



PRUNE DEAD OR BROKEN BRANCHES ONLY IMMEDIATELY AFTER PLANTING. PRUNING IS TO BE COMPLETED IN A MANNER WHICH PRESERVES THE NATURAL CHARACTER AND FORM OF THE PLANT

REMOVE ALL NURSERY TAGS AND FLAGGING TAPE IMMEDIATELY UPON INSTALLATION

50-100mm DEPTH OF SHREDDED CEDAR MULCH TO BE PLACED OVER A MINIMUM 150ft FILTER CLOTH OR EQUIVALENT FOR ALL CONTINUOUS PLANTING BEDS

REMOVE NURSERY POTS OR WRAP PRIOR TO PLACEMENT, IF ROOT BOUND SLICE ROOT MASS VERTICALLY AND GENTLY SEPARATE EXTERIOR ROOTS. FOR FIBER POTS, REMOVE BOTTOM OF POT AND SLICE POT VERTICALLY THREE TIMES PRIOR TO PLACEMENT

PLANTING SOIL MIX AS SPECIFIED. STRAIGHT TOP SOIL WILL NOT BE ACCEPTED FOR USE IN PLANTING BEDS

SCARIFY SURFACE OF SUBSOIL PRIOR TO PLANTING OR INSTALLATION OF PLANTING SOIL MIX

1. PLANTING METHOD ILLUSTRATED APPLIES TO CONTAINER / POTTED MATERIAL ONLY.
2. PLANTING DETAIL DOES NOT SPECIFICALLY RELATE TO ANY PARTICULAR SPECIES AND SHALL BE APPLIED TO BOTH DECIDUOUS AND CONIFEROUS POTTED MATERIAL.
3. SET SHRUBS 50mm HIGHER THAN GRADE TO ALLOW FOR SETTLEMENT.
4. ALL SHRUB PLANTING IS TO OCCUR IN CONTINUOUS MULCHED PLANTING BEDS WITH WEED CONTROL /FILTER FABRIC.
5. DO NOT COVER THE BASE OF SHRUB WITH MULCH.
6. ALL SOIL SHALL BE ADEQUATELY COMPACTED TO PREVENT AIR POCKETS AND SETTLEMENT.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

Barrie	CONTAINER GROWN SHRUB PLANTING	REV No. 5	DATE: APR 2023
			SCALE: N.T.S.
			P1314

1. THE CONTRACTOR SHALL REVIEW ALL INFORMATION IN THE DRAWINGS, DETAILS AND SPECIFICATIONS FOR THIS PROJECT, AND REPORT ANY DISCREPANCY OR SUBSTITUTION TO THE CONTRACT ADMINISTRATOR IN WRITING PRIOR TO COMMENCEMENT OF WORK.
2. ALL PLANTING MATERIAL AND OPERATIONS TO MEET OR EXCEED THE HORTICULTURAL STANDARDS OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION AND LANDSCAPE ONTARIO. ALL PLANT MATERIAL TO BE No.1 GRADE NURSERY STOCK. THE CITY OF BARRIE RETAINS THE RIGHT TO REFUSE ANY UNSATISFACTORY STOCK.
3. SOD TO BE CANADA No.1 NURSERY SOD, MEETING THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO STANDARDS. ALL AREAS TO RECEIVE A MINIMUM 200mm DEPTH OF TOPSOIL AND SOD UNLESS OTHERWISE INDICATED. SEE DRAWINGS AND SPECIFICATIONS FOR AREAS TO BE MULCHED OR HYDRO-SEEDED.
4. CONIFEROUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND DENSELY BRANCHED TO WITHIN 300mm OF THE TOP OF ROOT BALL. HEIGHT OF CONIFEROUS TREES IS DEFINED AS THE DISTANCE BETWEEN THE TOP OF ROOT BALL AND THE FIRST WURL (NOT LEADER HEIGHT), REFER TO P1312 AND P1313.
5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND IS RESPONSIBLE FOR ANY DAMAGE TO SERVICES, EXISTING VEGETATION, OR ANY OTHER FEATURES TO BE RETAINED.
6. THE CONTRACTOR SHALL STAKE OUT ALL PLANTING LOCATIONS FOR APPROVAL BY THE CONTRACT ADMINISTRATOR, AND/OR CITY STAFF PRIOR TO PLANTING.
7. FOR ALL LANDSCAPE PLANS, ALL DIMENSIONS ARE TO BE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.
8. ALL MASS PLANTINGS OF CONIFERS AND SHRUBS SHALL BE IN CONTINUOUS BEDS AND MULCHED WITH SHREDDED CEDAR OR APPROVED EQUIVALENT.
9. SCHEDULE AND PERFORM OPERATIONS FOR OPTIMUM PLANTING CONDITIONS, AND TAKE WHATEVER MEASURES NECESSARY TO ENSURE HEALTHY, VIGOROUS GROWTH.
10. ALL PLANT MATERIAL AND WORKMANSHIP WILL BE INSPECTED AND IS UNDER WARRANTY FOR A MINIMUM OF TWO YEARS FROM THE DATE OF WRITTEN ACCEPTANCE. ALL PLANT MATERIAL MUST BE IN A HEALTHY, VIGOROUS GROWING CONDITION SATISFACTORY TO THE CONTRACT ADMINISTRATOR AT THE END OF THE WARRANTY PERIOD, OR TO BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. WATER AT TIME OF PLANTING AND WHENEVER DEEMED NECESSARY TO MAINTAIN THE TREES IN A HEALTHY CONDITION.
12. INSTALLATION OF THE PLANT MATERIAL PRIOR TO INSPECTION BY THE CITY OF BARRIE WILL BE THE CONTRACTOR'S RESPONSIBILITY. THE CITY OF BARRIE RESERVES THE RIGHT TO REJECT ANY PLANTS, WHETHER INSTALLED OR NOT, WHICH DO NOT CONFORM TO THE SPECIFICATIONS AND/OR SITE DRAWING(S). REMOVE ALL REJECTED PLANTS FROM THE SITE IMMEDIATELY. DO NOT REMOVE ANY LABELS FROM PLANTS UNTIL THE PLANTS HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.
13. ALL PLANT MATERIALS WHICH CANNOT BE PLANTED IMMEDIATELY UPON ARRIVAL ON SITE SHALL BE PROPERLY HEELED IN OR WELL PROTECTED WITH SOIL OR SIMILAR MATERIALS TO PREVENT DRYING OUT, AND SHALL BE KEPT MOIST UNTIL COMMENCEMENT OF PLANTING.
14. ALL NEW WORK TO BLEND NEATLY AND SMOOTHLY WITH EXISTING CONDITIONS.
15. NO GRADING OR SODDING SHALL BE DONE WITHIN THE LIMIT OF PRESERVATION AREAS.
16. IN THE EVENT OF A DISCREPANCY BETWEEN A PLANT LIST AND DRAWING, THE DRAWING WILL BE ASSUMED TO BE CORRECT.

Barrie	NOTES PARK PLANTING	REV No. 2	DATE: APR 2023
			SCALE: N.T.S.
			P1320

KEY MAP N.T.S.

GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR ALL LOCATES INCLUDING ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION OR INSTALLATIONS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

ANY ACCOMPANYING DOCUMENTATION RELATING TO THE LANDSCAPE PLAN AND/OR PRESERVATION PLAN SUCH AS TENDER DOCUMENTS AND CHANGE NOTICES ARE TO BE ENDORSED BY J.D.B. ASSOCIATES LIMITED PRIOR TO THE BEGINNING OF ANY SITE WORKS. IN THE EVENT THAT OF A DISCREPANCY THE DRAWING SHALL BE ASSUMED CORRECT.

IT IS THE RESPONSIBILITY OF THE PERSON OR PERSONS RESPONSIBLE FOR THE CONSTRUCTED WORKS TO NOTIFY THE LANDSCAPE ARCHITECT WHEN PREPARED FOR ANY REQUIRED INSPECTIONS AND SIGN OFFS.

SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

No.	REVISION	DATE	APRVD
1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	SIT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	SIT
3.	REVISED AS PER CITY COMMENTS	September 13, 2024	SIT

ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF JDB ASSOCIATES LIMITED. DRAWINGS ARE NOT TO BE MODIFIED AND/OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF JDB ASSOCIATES LIMITED. REPRODUCTION OF DRAWINGS IN ANY FORM WITHOUT THE CONSENT OF JDB ASSOCIATES LIMITED VOIDS THE DRAWING AT WHICH TIME JDB ASSOCIATES LIMITED ACCEPTS NO LIABILITY FOR THE DRAWING CONTENT OR WORKS RESULTING FROM SAID REPRODUCTION.
DRAWINGS MAY BE REPRODUCED BY MUNICIPAL AND GOVERNMENT AGENCIES RESPONSIBLE FOR APPROVALS FOR THEIR OWN USE.
JDB ASSOCIATES RESERVES THE RIGHT TO WITHDRAW ANY DRAWING(S) FROM GOVERNMENT OR MUNICIPAL AGENCIES WHETHER APPROVED OR NOT IN THE EVENT THAT ACCOUNTS ARE NOT SETTLED OR REMAIN OUTSTANDING.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS ON THE SITE AND REPORT ANY DISCREPANCIES OR VARIATIONS FROM THE SUPPLIED INFORMATION TO THE LANDSCAPE ARCHITECT WITH THE PROJECT. JDB ASSOCIATES LIMITED IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL, ENGINEERING OR ELECTRICAL INFORMATION SHOWN ON THE DRAWING. FOR FURTHER INFORMATION REFER TO APPROPRIATE SURVEY, ARCHITECTURAL, MECHANICAL, ENGINEERING OR ELECTRICAL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORKS.

THIS DRAWING IS NOT TO BE SCALED.

BASE PLAN REVISED: FEBRUARY, 2024

Client info:

County of Simcoe, Social Housing Department
1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE

LANDSCAPE ARCHITECTS STAMP

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

LANDSCAPE PLAN DETAILS

SCALE: NTS	DESIGNED BY: SIT	REVIEWED BY: NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	LD-3

SITE CONDITIONS

1. VERIFY ALL EXISTING SITE CONDITIONS AND REPORT ANY DISCREPANCIES BEFORE COMMENCING WORK.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND IS RESPONSIBLE FOR ANY DAMAGE TO SERVICES, EXISTING VEGETATION OR ANY OTHER FEATURES TO BE RETAINED.
3. FOR ALL AREAS OF DISTURBANCE: NATIVE TOPSOIL IS TO BE STRIPPED, STOCK PILED, LABORATORY TESTED AND REPLACED AS PER TOPSOIL REQUIREMENTS.
4. ENSURE THAT ALL PLANTING EQUIPMENT ARE CLEAN AND FREE OF INVASIVE SPECIES (E.G. PHRAGMITES) BEFORE ENTERING THE SUBJECT PROPERTY.

PLANT MATERIAL REQUIREMENTS

5. PLANT MATERIAL LISTED IN THE PLANT SCHEDULE ARE MINIMUM SIZES +/- NURSERY GROWN AND UNIFORM SPECIMENS. NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECTS.
6. DECIDUOUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND WELL BRANCHED 1.5M ABOVE GRADE UNLESS OTHERWISE STATED.
7. CONIFEROUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND DENSELY BRANCHED TO WITHIN 0.3m OF THE GROUND.
8. ALL PLANTING MATERIAL AND OPERATIONS TO MEET OR EXCEED THE HORTICULTURAL STANDARDS OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION AND THE HORTICULTURAL TRADES ASSOCIATION. ALL PLANT MATERIAL TO BE NO.1 GRADE NURSERY STOCK. UNSATISFACTORY STOCK WILL BE REFUSED ON THE SITE.
9. SOD TO BE CANADA NO.1 NURSERY SOD, MEETING ONTARIO SOD GROWERS ASSOCIATION STANDARDS. ALL SOD AREAS TO RECEIVE 200MM DEPTH OF TOPSOIL UNLESS OTHERWISE INDICATED.

PLANTING NOTES

10. LOCATIONS FOR PLANT MATERIAL AND PLANTING BEDS ARE TO BE MARKED OR STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT AND MUNICIPAL STAFF PRIOR TO INSTALLATION.
11. ALL PLANT MATERIAL WHICH ARE SPECIFIED BY O.C. (ON CENTER SPACING) ARE TO BE PLANTED AS NOTED IN THE PLANT SCHEDULE.
12. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANT LIST AND DRAWING, THE DRAWING WILL BE ASSUMED TO BE CORRECT.
13. ALL MASS PLANTINGS OF SHRUBS SHALL BE IN CONTINUOUS BEDS AND MULCHED AS SPECIFIED.
14. ALL TREE PITS SHALL INCLUDE TREATMENT WITH MICORRHIZAL FUNGI OF THE WALLS BEFORE PLANTING (2L OF "MIKE" OR SIMILAR PRODUCT SHALL BE USED FOR EACH 60MM CALIPER TREE)
15. ALL TREES ARE TO BE STAKED OR GUY WIRED ACCORDING TO DETAILS PROVIDED. NO ACCESSIBLE OPEN HOLE TREE PITS SHALL BE PERMITTED OVERNIGHT.
16. REMOVE BURLAP AND ROPE FROM THE TOP 1/3 OF ROOT BALLS.
17. WATER AT TIME OF PLANTING AND WHENEVER DEEMED NECESSARY TO MAINTAIN THE TREES IN A HEALTHY CONDITION.
18. ALL PLANT MATERIALS WHICH CAN NOT BE PLANTED IMMEDIATELY UPON ARRIVAL ON SITE SHALL BE PROPERLY HEELED IN OR WELL PROTECTED WITH SOIL OR SIMILAR MATERIALS TO PREVENT DRYING OUT AND SHALL BE KEPT MOIST UNTIL COMMENCEMENT OF PLANTING.
19. NO ACCESSIBLE OPEN HOLE TREE PITS SHALL BE PERMITTED OVERNIGHT. ALL OPEN PITS SHALL BE ADEQUATELY PROTECTED BY BARRIERS OR FILLED IN WITH SOIL PRIOR TO THE END OF EACH PLANTING DAY.
20. ALL NEW WORK TO BLEND NEATLY AND SMOOTHLY WITH EXISTING CONDITIONS.

INSPECTION AND WARRANTY

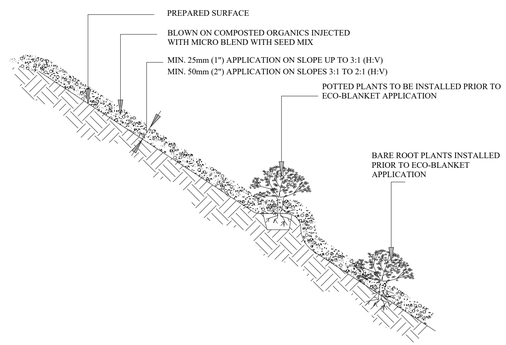
1. GIVE TIMELY NOTICE TO THE LANDSCAPE ARCHITECT FOR THE REQUIRED START UP SITE INSPECTION TO REVIEW SITE CONDITIONS AND SCHEDULE FOLLOW UP INSTALLATIONS.
2. INSTALLATION OF PLANT MATERIAL PRIOR TO INSPECTION BY THE LANDSCAPE ARCHITECT WILL BE THE CONTRACTOR'S RESPONSIBILITY.
3. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS, WHETHER INSTALLED OR NOT, WHICH DO NOT CONFORM TO THE SPECIFICATIONS AND/OR SITE DRAWING. REMOVE ALL REJECTED PLANTS FROM THE SITE IMMEDIATELY. DO NOT REMOVE ANY LABELS FROM PLANTS UNTIL PLANTS HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.
4. ALL PLANT MATERIAL AND WORKMANSHIP WILL BE INSPECTED AND IS UNDER WARRANTY FOR A MINIMUM OF TWO YEAR FROM DATE OF WRITTEN ACCEPTANCE. ALL PLANT MATERIAL MUST BE IN A HEALTHY, VIGOROUS GROWING CONDITION SATISFACTORY TO THE CONTRACT ADMINISTRATOR AT THE END OF THE WARRANTY PERIOD OR BE REPLACED AT THE CONTRACTORS EXPENSE.
5. FINAL ACCEPTANCE OF THE PROJECT WILL BE CARRIED OUT UPON COMPLETION OF ALL WORK INCLUDED IN THE CONTRACT.

TOPSOIL REQUIREMENTS

6. PROVIDE MINIMUM SOIL VOLUME PER TREE AT 0.45m DEPTH FOR STREET TREES (OR ABOVE UTILITIES) AND MAX. 0.9m IN OTHER AREAS:
   - 18 m^3 FOR LARGE TREES
   - 12 m^3 FOR SMALL TREES
7. PREPARED SOIL MIXTURE FOR EACH TREE PITS AND SHRUBS SHALL CONSIST OF HIGH QUALITY SOIL:
   - SIX PARTS OF FERTILE LOAM SOIL (50-60% SAND, 20-40% SILT, 6-10% CLAY, 2-5% ORGANIC), WITH A pH OF 7.5* OR LESS, FREE OF CLAY LUMPS, DEBRIS, TOXIC SUBSTANCES, STONES, WOODY MATERIAL, WEED SEEDS AND GRASS ROOTS
   - ONE PART COARSE PULVERIZED CANADIAN PEAT MOSS
   - ONE PART OF WELL-ROTTED FARM MANURE
8. PREPARED SOIL MIXTURE FOR SOD AREAS SHALL CONSIST OF MIN. 20cm HIGH QUALITY SOIL:
   - SIX PARTS OF FERTILE LOAM SOIL (50-60% SAND, 20-40% SILT, 6-10% CLAY, 2-5% ORGANIC), WITH A pH OF 7.5* OR LESS, FREE OF CLAY LUMPS, DEBRIS, TOXIC SUBSTANCES, STONES, WOODY MATERIAL, WEED SEEDS AND GRASS ROOTS

PLANTING NOTES

THIS NOTES SHALL BE READ IN CONJUNCTION WITH P1320 ON THIS PAGE



UPLAND PLANTING ZONE

NO-MOW ZONE (INCLUDING ACCESS ROAD)
APPROXIMATELY 1655 sq/m (+10%) (+/- MEASUREMENTS TO BE TAKEN ON SITE)

SIMCOE COUNTY NATIVE UPLAND MIXTURE

2%	NEW ENGLAND ASTER (Symphyotrichum novae-angliae)
12%	BLACK EYED SUSAN (Rudbeckia hirta)
20%	SAND DROPSEED (Sporobolus crytandrus)
20%	CANADA WILD RYE (Elymus candadensis)
4%	CANADA GOLDEN ROD (Solidago canadensis)
5%	COMMON MILKWEED (Asclepias syriaca)
1%	WILD BERGAMONTE (Monarda Fistulosa)
1%	SMOOTH BLUE ASTER (Symphyotrichum laeva)
15%	LITTLE BLUE STEM (Andropogon scoparius)
20%	INDIANGRASS (Sorghastrum nutans)

SEEDING RATE - 30kg PER HECTARE
SUPPLIED BY - OSC SEEDS 1-519-886-0557
ANNUAL OATS (Avena sativa) NURSE CROP TO BE APPLIED AT TIME OF NATIVE UPLAND PLANTING MIXTURE AT A RATE OF 22kg PER HECTARE. REFER TO TERRASEEDING NOTES AND MULCH APPLICATION SPECIFICATIONS IN THIS BOX FOR FURTHER DETAILS.

TERRASEEDING APPLICATION SPECIFICATIONS

ECOBLANKET OR TERRASEEDING TACTIFIER / FLEXGUARD HYDROMULCH SHALL BE APPLIED AS PER MANUFACTURER SPECIFICATIONS. SEE NOTES ON THIS PAGE.

TOP SOIL:

TOPSOIL SHALL BE PROVIDED TO A MINIMUM DEPTH OF 0.45m FOR TERRESTRIAL AREAS.
TOPSOIL QUALITY SHALL BE AS PER OPSS.MUNI 802. IT SHALL BE TESTED BY AN INDEPENDENT LABORATORY PRIOR TO INSTALLATION.

SEEDING AND TOP SOIL NOTES

1.0 Description:
This work shall consist of furnishing, constructing and maintaining an EcoBlanket(to Rexius specifications. EcoBlanket is a ground cover (surface blanket) of the Rexius specified compost/mulch (Erosion Blend) combined with a special additive (Microblend) constructed with a pneumatic blower to control and reduce soil erosion. An EcoBlanket stabilizes the soil, prevents splash, sheet and rill erosion, and removes suspended soil particles and contaminants from water moving off the site and into adjacent waterways or storm water conveyance systems.
1.1. This EcoBlanket must be applied by Landsource Organix Ltd., 100 Britannia Road East, Hornby, Ontario L0P 1E0, tollfree 1 877 548 8558 (toll free fax 1 877 548 8559) or equivalent certified EcoBlanket installer.
1.2. Materials must be applied using a pneumatic blower unit complete with a supplemental granular injection system capable of installing at least 15 cubic meters per hour.
1.3. Contractor must have at least 3 years of proven experience in successfully installing EcoBlanketsTM.

2.0 Material:
The EcoBlanket filtering material consists of the Rexius Erosion Blend of compost and mulch materials, according to the Rexius particle sizing specifications, in combination with the Rexius Microblend additive.
2.1. Particle size must meet exact specifications of the Rexius EcoBlanket Erosion Blend material supplied by a certified supplier/installer.
2.2. The compost portion of EcoBlanket shall be derived from well-decomposed organic matter source produced by controlled aerobic (biological) decomposition that has been sanitized through the generation of heat and stabilized to the point that it is appropriate for this particular application. Compost material shall be processed through proper thermophilic composting, meeting the Canadian Council of Ministers of the Environment's (CCME) definition for a 'process to further reduce pathogens' (PFRP). The compost portion shall meet the chemical, physical and biological properties (as outlined in the chart on reverse). These and all other required properties for the performance of the EcoBlanket are included in the Rexius EcoBlanket Manufacture Guidelines followed by certified suppliers/installers.
2.3. Rexius Microblend additive shall be injected into Erosion Blend material at time of EcoBlanket construction.
2.4. A proof of certification as an EcoBlanket supplier shall be submitted to the Landscape Architect for approval prior to installation. Test results for EcoBlanket performance shall be made available upon request.
2.5. Where seeding or planting is planned, Erosion Blend material must meet Rexius' minimum specification requirements for seeding purposes.

3.0 Construction:
3.1. The EcoBlanket shall be placed as shown on the plans or as directed by the Landscape Architect.
3.2. On areas with slopes 3:1 to 2:1 (H:V) the EcoBlanket shall be uniformly applied directly at the soil surface with a pneumatic blower as specified by Rexius. EcoBlanket shall be applied at a depth of 50 mm minimum and approximately 90 cm over the top of the slope, or overlap it into existing vegetation. On areas with slopes up to 3:1(H:V) the EcoBlanket shall be applied at a depth of 25mm minimum. In extreme conditions and where specified by the Engineer/Landscape Architect., EcoBerms shall be added and constructed at the top of the slope in parallel intervals down the profile of the slope (6 metres to 9 metres apart) if necessary. (The Engineer/Landscape Architect shall specify berm requirements)
3.3. Rexius Microblend shall be applied/injected at a minimum rate of 615 kgs. per hectare (or as specified by Rexius), to be confirmed by inspector/project manager.
3.4. EcoBlanket application depth may be modified based on specific site (e.g., soil characteristics, existing vegetation) and climatic conditions, as well as particular project related requirements. The severity of slope grade, as well as slope length will also influence the addition of EcoBerms and number of EcoBerm placements in combination with the EcoBlanket.
3.5. If temporary or long-term vegetation is required, Erosion Blend material may be injected with seed during application. The Engineer/Landscape Architect shall specify seed requirements and the compost/mulch component shall abide by the minimum standards set by Rexius for seeding.
3.6. Where vegetation is to be established, slightly roughen (scarify) slopes and remove large clods, rocks, stumps, roots larger than 50 mm in diameter and debris on slopes. This soil preparation step may be eliminated where approved by the Landscape Architect/Designer, or where seeding or planting is not planned. Where practical, track (compact) perpendicular to contours on the slope using a bulldozer before applying EcoBlanket injected with seed.
3.7. Do not use EcoBlankets in areas of concentrated flow (ie. ditches, streams, etc.)
3.8. Unless otherwise allowed by Landscape Architect, seeding shall be performed within the local region's seeding deadlines.

4.0 Maintenance:
The Contractor shall maintain the EcoBlanket in a functional condition at all times. Contractor shall make periodic inspections of the EcoBlanket for effectiveness and shall immediately correct all deficiencies. Where deficiencies exist, additional EcoBlanket material shall be installed immediately to required depth.

5.0 Method of Measurement:
EcoBlanket shall be measured by the square metre, complete in place.

6.0 Performance:
6.1. Place EcoBlankets on denuded areas immediately or as directed by Landscape Architect. EcoBerms and/or temporary or permanent vegetation shall be applied/established when necessary, along with other appropriate structural measures and controls, for additional erosion and sediment control.
6.2. The work specified in this Section consists of designing, providing, and maintaining erosion and sedimentation controls as necessary. All existing and foreseeable future conditions that affect the work inside and outside the site limits must be acknowledged as the Contractor's responsibility.
6.3. Contractor is responsible for providing effective sediment control measures based on performance. Contractor may, with approval from the Landscape Architect, work outside the minimum construction requirements to establish a working erosion control system.

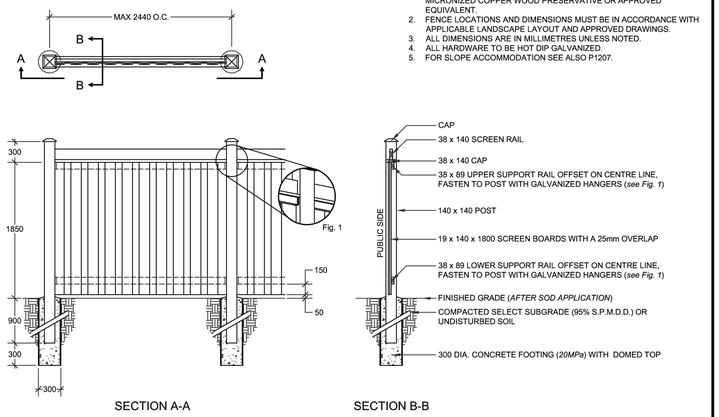
Parameters1,4 Reported as (units of measure) EcoBlanket to be Vegetated EcoBlanket to be left Un-vegetated
PH2 pH units 5.0 - 8.5 N/A
Soluble Salt Concentration2 (electrical conductivity) ds/m (mmhos/cm) Maximum 5 N/A
Stability3 Carbon Dioxide Evolution Rate mg CO2-C per g OM per day < 8 N/A
Physical Contaminants (man-made inerts) %.dry weight basis < 1 < 1

1. Recommended test methodologies are provided in Test Methods for the Examination of Composting and Compost (SCC through BNQ)
2. Each specific plant species requires a specific pH range. Each plant also has a salinity tolerance rating, and maximum tolerable quantities are known. When specifying the establishment of any plant or turf species, it is important to understand their pH and soluble salt requirements, and how they relate to the compost in use.
3. Stability/Maturity rating is an area of compost science that is still evolving, and as such, other various test methodscould be considered. Also, never base compost quality conclusions on the result of a single stability/maturity test.
4. Landscape Architect may modify the allowable compost specification ranges based on specific field conditions and plant requirements.

ECOBLANKET SPECIFICATIONS AND DETAIL

DETAIL ADAPTED FROM LANDSOURCE ORGANIX EcoBlanket (tel.:1-877-548-8558)

1. ALL LUMBER TO BE PRETREATED WITH AN APPROVED BROWN, MICRONIZED COPPER WOOD PRESERVATIVE OR APPROVED EQUIVALENT.
2. FENCE LOCATIONS AND DIMENSIONS MUST BE IN ACCORDANCE WITH APPLICABLE LANDSCAPE LAYOUT AND APPROVED DRAWINGS.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED.
4. ALL HARDWARE TO BE HOT DIP GALVANIZED.
5. FOR SLOPE ACCOMMODATION SEE ALSO P1207.

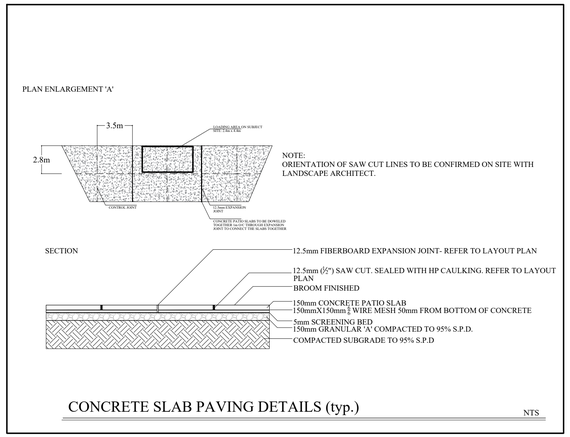


SECTION A-A SECTION B-B

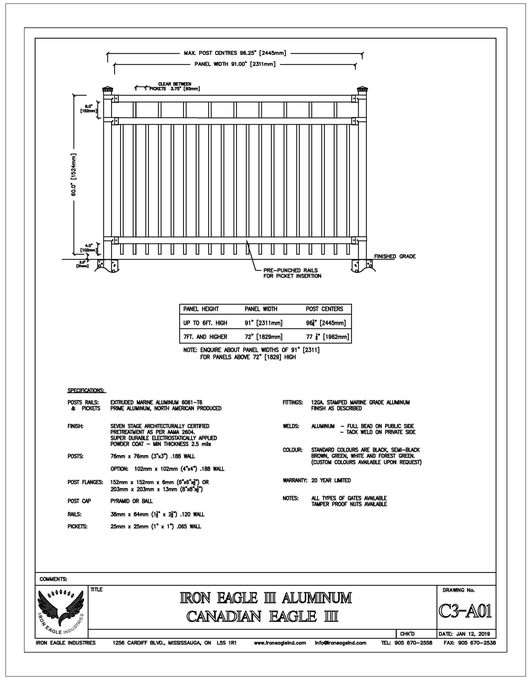
Barrie

FENCE OVERLAPPING BOARD

REV No.	DATE: APR 2023
2	SCALE: N.T.S.
P1206	



CONCRETE SLAB PAVING DETAILS (typ.) NTS



PANEL HEIGHT	PANEL WIDTH	POST CENTERS
UP TO 6FT. HIGH	91" [2311mm]	96¼" [2445mm]
7FT. AND HIGHER	72" [1829mm]	77 ¼" [1962mm]

NOTE: ENQUIRE ABOUT PANEL WIDTHS OF 91" [2311] FOR PANELS ABOVE 72" [1829] HIGH

SPECIFICATIONS:

POSTS RAILS & POCKETS: EXTRUDED MARINE ALUMINUM 6061-T6 PRIME ALUMINUM, NORTH AMERICAN PRODUCED

FINISH: SEVEN STAGE ARCHITECTURALLY CERTIFIED PRETREATMENT AS PER AAMA 2604. SUPER DURABLE ELECTROSTATICALLY APPLIED POWDER COAT – MIN THICKNESS 2.5 mils

POSTS: 76mm x 76mm (3"x3") .188 WALL
OPTION: 102mm x 102mm (4"x4") .188 WALL

POST FLANGES: 152mm x 152mm x 6mm (6"x6"x¼") OR 203mm x 203mm x 13mm (8"x8"x½")

POST CAP: PYRAMID OR BALL

RAILS: 38mm x 64mm (1½" x 2½") .120 WALL

PICKETS: 25mm x 25mm (1" x 1") .050 WALL

FITTINGS: 12GA. STAMPED MARINE GRADE ALUMINUM FINISH AS DESCRIBED

WELDS: ALUMINUM – FULL BEAD ON PUBLIC SIDE – TACK WELD ON PRIVATE SIDE

COLOUR: STANDARD COLOURS ARE BLACK, SEMI-BLACK BROWN, GREEN, WHITE AND FOREST GREEN. (CUSTOM COLOURS AVAILABLE UPON REQUEST)

WARRANTY: 20 YEAR LIMITED

NOTES: ALL TYPES OF GATES AVAILABLE TAMPER PROOF NUTS AVAILABLE

COMMENTS:

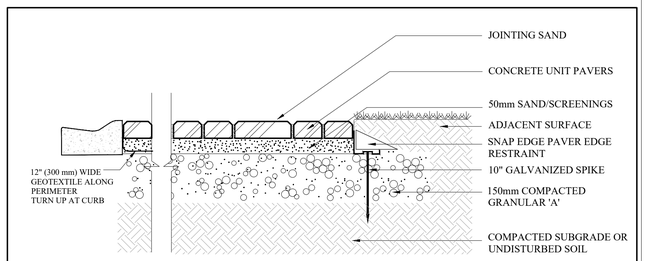
TITLE: IRON EAGLE III ALUMINUM CANADIAN EAGLE III

DRAWING No. C3-A01

CHK'D DATE: JAN 12, 2019

IRON EAGLE INDUSTRIES 1256 CARDIFF BLVD., MISSISSAUGA, ON L5S 1R1 www.ironeagleind.com info@ironeagleind.com TEL: 905 670-2558 FAX: 905 670-2538

ORNAMENTAL FENCE DETAIL - REFER TO FENCE HEIGHT ON L-1



UMBRIANO PAVERS BY:
UNILOCK441 Salem Rd, Barrie, ON L9J 0C8

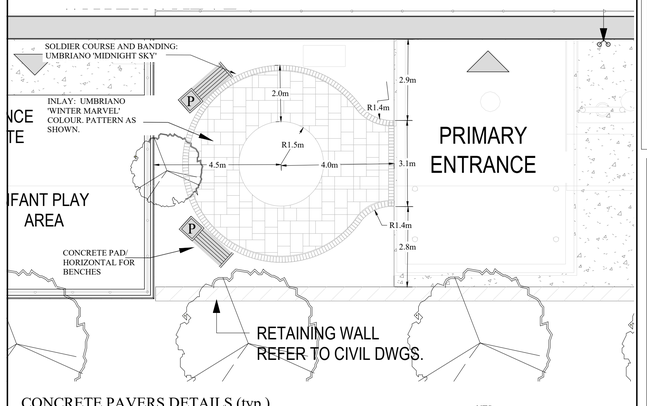
CONCRETE PAVERS SELECTION:

INLAY(S): UMBRIANO 'WINTER MARVEL' (OR APPROVED EQUIVALENT SUBSTITUTE). REFER TO PAGE LP-1.

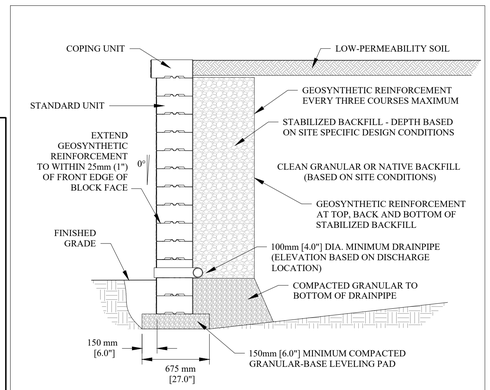
SOLDIER COURSE AND BANDING: UMBRIANO ' MIDNIGHT SKY', 20x40x7cm. REFER TO PATTERN DETAIL ON THIS PAGE.

NOTES:

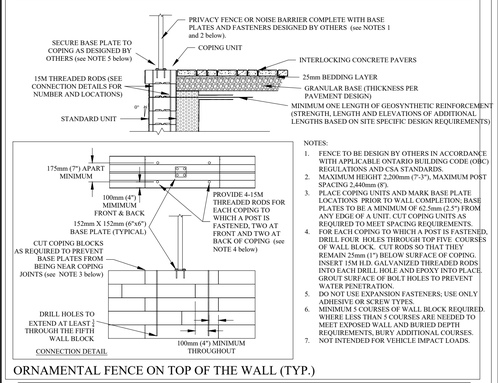
1. STONE UNIT PAVERS ARE TO BE SET 3mm HIGHER (TYP.) THAN FINAL ELEVATION OR ABUTTING SURFACES TO ALLOW FOR SETTLING
2. ALL PAVING STONE IS TO BE INSTALLED AS PER MANUFACTURES INSTRUCTIONS
3. ALL EDGES ADJACENT TO ASPHALT OR SOD AREAS TO BE SECURED WITH SNAP EDGE PAVER EDGE RESTRAINT
4. ALL FINAL MATERIAL SELECTIONS AND COLOUR CHOICES ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF ANY UNIT PAVERS.



CONCRETE PAVERS DETAILS (typ.) NTS



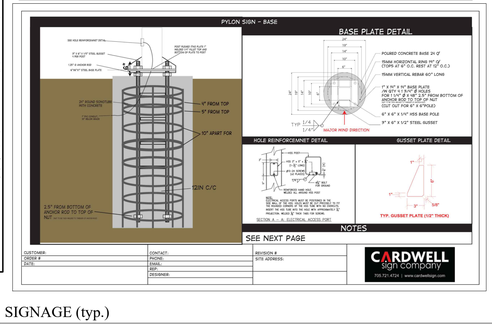
PROTERRA RETAINING WALL WITH STABILIZED BACKFILL (TYP.)



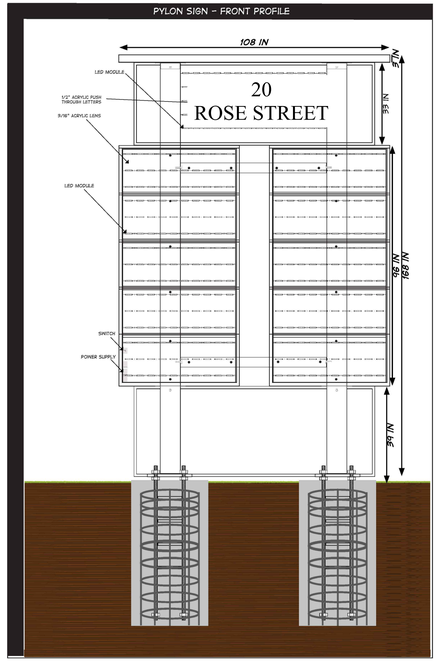
NOTES:

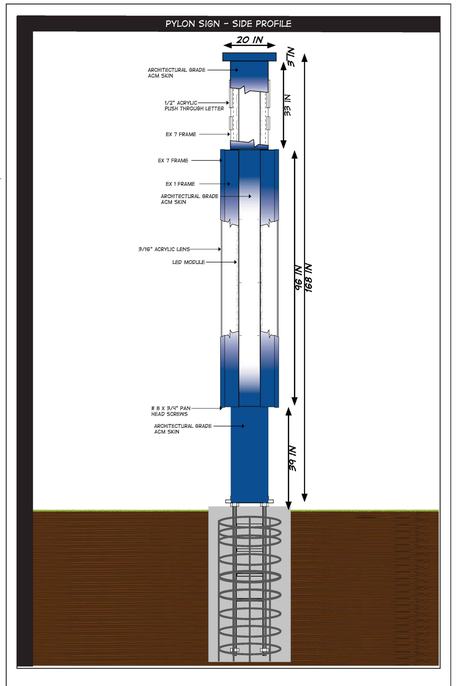
1. FENCE TO BE DESIGN BY OTHERS IN ACCORDANCE WITH APPLICABLE ONTARIO BUILDING CODE (OBC) REGULATIONS AND CSA STANDARDS.
2. MAXIMUM HEIGHT 2,200mm (7'-3"), MAXIMUM POST SPACING 2,440mm (8').
3. PLACE COPING UNITS AND MARK BASE PLATE LOCATIONS PRIOR TO WALL COMPLETION; BASE PLATES TO BE A MINIMUM OF 62.5mm (2.5") FROM ANY EDGE OF A UNIT. CUT COPING UNITS AS REQUIRED TO MEET SPACING REQUIREMENTS.
4. FOR EACH COPING TO WHICH A POST IS FASTENED, DRILL FOUR HOLES THROUGH TOP FIVE COURSES OF WALL BLOCK. CUT RODS SO THAT THEY REMAIN 25mm (1") BELOW SURFACE OF COPING. INSERT 15M H.D. GALVANIZED THREADED RODS INTO EACH DRILL HOLE AND EPOXY INTO PLACE. GROUT SURFACE OF BOLT HOLES TO PREVENT WATER PENETRATION.
5. DO NOT USE EXPANSION FASTENERS; USE ONLY ADHESIVE OR SCREW TYPES.
6. MINIMUM 5 COURSES OF WALL BLOCK REQUIRED. WHERE LESS THAN 5 COURSES ARE NEEDED TO MEET EXPOSED WALL AND BURIED DEPTH REQUIREMENTS, BURY ADDITIONAL COURSES.
7. NOT INTENDED FOR VEHICLE IMPACT LOADS.

ORNAMENTAL FENCE ON TOP OF THE WALL (TYP.)



SIGNAGE (typ.)





NTS

KEY MAP N.T.S.

GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR ALL LOCATES INCLUDING ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION OR INSTALLATIONS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

ANY ACCOMPANYING DOCUMENTATION RELATING TO THE LANDSCAPE PLAN AND/OR PRESERVATION PLAN SUCH AS TENDER DOCUMENTS AND CHANGE NOTICES ARE TO BE ENDORSED BY J.D.B. ASSOCIATES LIMITED PRIOR TO THE BEGINNING OF ANY SITE WORKS. IN THE EVENT THAT OF A DISCREPANCY THE DRAWING SHALL BE ASSUMED CORRECT.

IT IS THE RESPONSIBILITY OF THE PERSON OR PERSONS RESPONSIBLE FOR THE CONSTRUCTED WORKS TO NOTIFY THE LANDSCAPE ARCHITECT WHEN PREPARED FOR ANY REQUIRED INSPECTIONS AND SIGN OFFS.

SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

No.	REVISION	DATE	APRVD.
1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	SrT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	SrT
3.	REVISED AS PER CITY COMMENTS	September 13, 2024	SrT

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THIS DRAWING IS NOT TO BE SCALED.

BASE PLAN REVISED: FEBRUARY, 2024

Client info:
County of Simcoe, Social Housing Department
1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE:

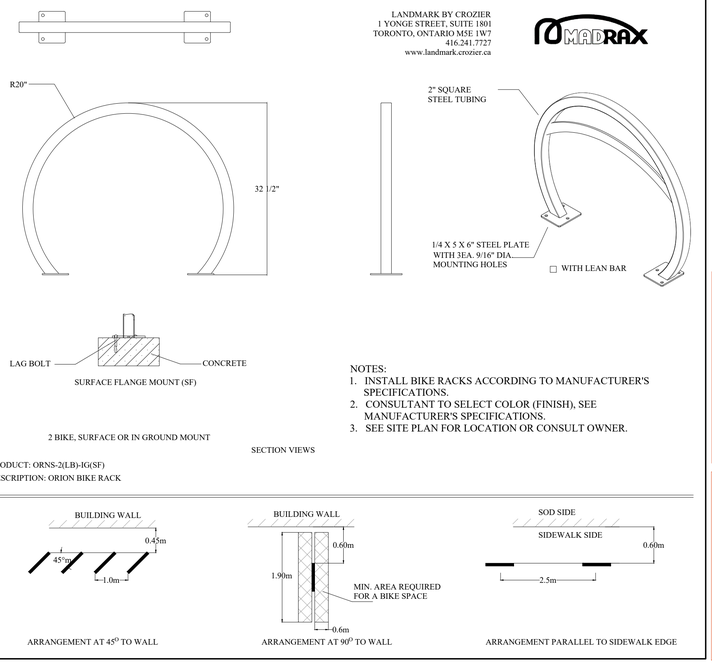
LANDSCAPE ARCHITECTS STAMP

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

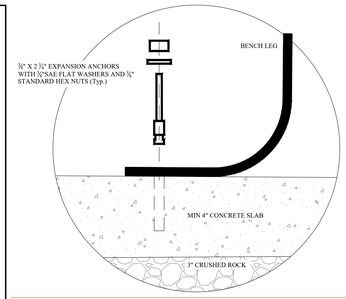
FENCING AND PAVING DETAILS

SCALE: 1/150	DESIGNED BY: SrT	REVIEWED BY: NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	LF-4



NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR (FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

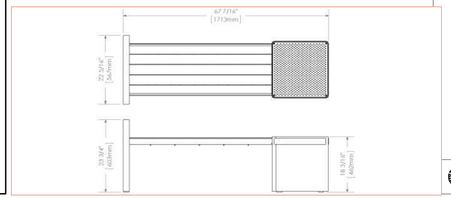
BIKE RACK DETAIL N.T.S.



NOTE:

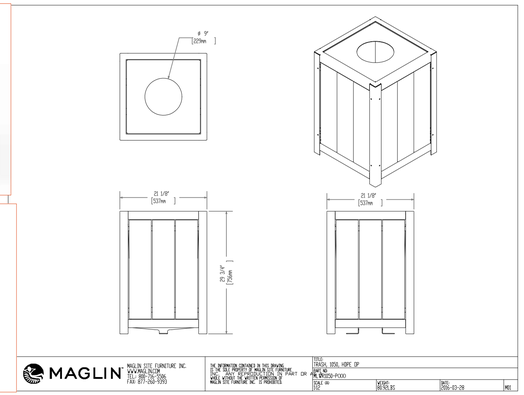
ALL SITE FURNITURE TO BE HORIZONTALLY INSTALLED ON CONCRETE PAD

BENCH INSTALLATION ON CONCRETE PAD:
The MLB park benches are delivered pre-assembled. Holes (0.5") are provided in each foot for securing to base into concrete with bolts.



MAGLIN BENCH AND TABLE MODEL: LXM1500-00037

1050 Planters



TRASH CONTAINERS N.T.S.

WANNSEE PLANTER
D:1270 x H:1118
by Greenville Planters or similar equal
1295 Kamato Road | Mississauga, ON L4W 2M2 |
info@greenvilledesigns.com
T: 905-361-1368 | greenvilledesigns.com

N.T.S.

FIBERGLASS PLANTER SPECIFICATIONS

MAGLIN BENCH AND TABLE MODEL: LXM1500-00037 TRASH CONTAINERS N.T.S.

MAGLIN FURNITURE SYSTEMS LTD. P.O.BOX 22077, WOODSTOCK, ON N4S 8Y1, TEL: 519-539-6776

KEY MAP N.T.S.

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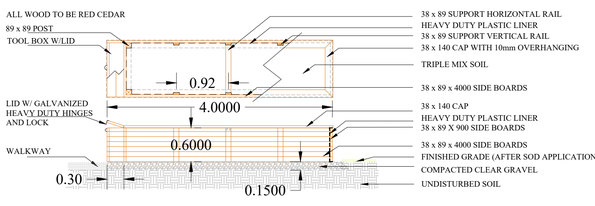
THIS DRAWING IS NOT TO BE SCALED.



GARDEN BOX DETAIL (TYP.)

22' X 14' GARDEN SHED (TYP.) BY LIMESTONE TRAIL OR SIMILAR APPROVED EQUAL

U-LINE PICNIC TABLE H-6575

U-LINE BENCH H-4337

BASE PLAN REVISED: FEBRUARY, 2024

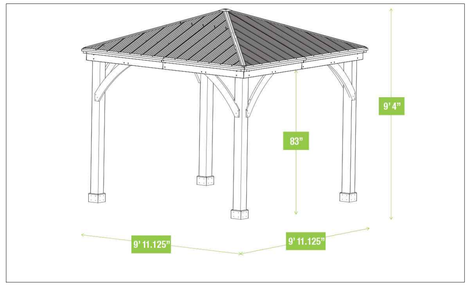
Client info:
County of Simcoe, Social Housing Department
1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

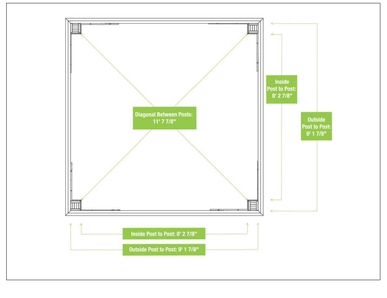
ACCEPTED BY:

DATE

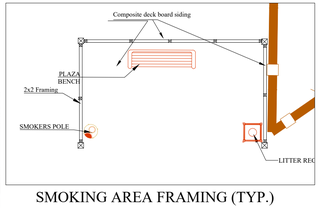
LANDSCAPE ARCHITECTS STAMP
STAMP AND SIGNATURE NOT REPRODUCED

NON-SMOKING SHELTER DETAILS (typ.)





SMOKING SHELTER DETAILS (typ.)



SMOKING AREA FRAMING (TYP.)

U-LINE SMOKERS'S POLE

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

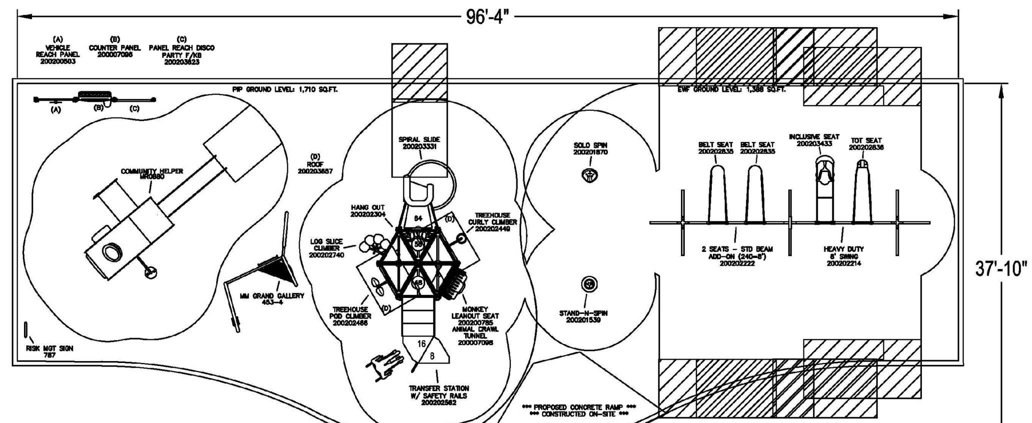
GROUND FLOOR SITE FURNITURE DETAILS

SCALE:	DESIGNED BY:	REVIEWED BY:
NTS	SrT	NB
CITY FILE No. D28-087-2022	OUR FILE REF: # 30-23	LD-5

SIMCOE COUNTY AH
BARRIE, ON

AREA: 3,098 SQ.FT.
PERIMETER: 350'
The information provided is for estimation purposes only.

Play Area Capacity: 70-80



little tikes COMMERCIAL Play Structures
Miracle
PlayPower Canada PlayPowerCanada.ca
INTERNATIONAL PLAY EQUIPMENT MANUFACTURERS ASSOCIATION — PUBLIC PLAY EQUIPMENT — IPEMA CERTIFIED TO CAN/CSA-Z614
To verify product certification, visit www.ipema.org

NOTES
1. No-encroachment zone- that additional area adjacent to the protective surfacing zone intended to allow pedestrian traffic near the play equipment in use while minimizing the risk of injury to pedestrians. CSA-Z614-20
2. Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.

AGE 5-12 — COMPONENTS SHOWN TO NUMBER REQUIRED	Shown		Required
ELEVATED PLAY ACTIVITIES - TOTAL	5		
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	5	REQ'D	3
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	0	REQ'D	0
GROUND LEVEL ACTIVITY TYPE	7	REQ'D	2
GROUND LEVEL ACTIVITY QUANTITY	11	REQ'D	2

AGE 18mo-12 — COMPONENTS SHOWN TO NUMBER REQUIRED	Shown		Required
ELEVATED PLAY ACTIVITIES - TOTAL	0		
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	0	REQ'D	0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	0	REQ'D	0
GROUND LEVEL ACTIVITY TYPE	3	REQ'D	0
GROUND LEVEL ACTIVITY QUANTITY	6	REQ'D	0

AGE 18mo-5 — COMPONENTS SHOWN TO NUMBER REQUIRED	Shown		Required
ELEVATED PLAY ACTIVITIES - TOTAL	2		
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	2	REQ'D	1
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	0	REQ'D	0
GROUND LEVEL ACTIVITY TYPE	2	REQ'D	1
GROUND LEVEL ACTIVITY QUANTITY	3	REQ'D	1

To promote safe and proper equipment use by children, PlayPower recommends the installation of either a PlayPower safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.

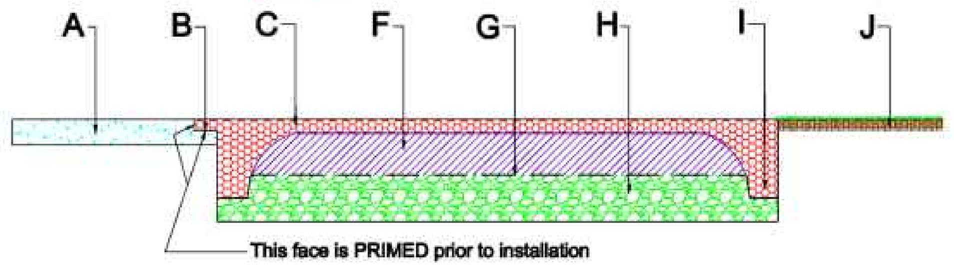
THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS CONFORM TO THE REQUIREMENTS OF CAN/CSA-Z614-20.	CAN240058A-1A	✓ COMPLIES TO CSA	DESIGNED FOR AGES 18mo-5 18mo-12 & 5-12	DATE: 02/09/24
AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED UNDER & AROUND ALL PLAY SYSTEMS.	GROUND SPACE: N/A PROTECTIVE AREA: NOTED	✓ COMPLIES TO ANNEX H	ADDITIONAL GROUND LEVEL ACCESSIBLE ITEMS NEEDED FOR ANNEX H COMPLIANCE TYPE: 0 QUANTITY: 0	SCALE: 3/32"=1'0" GE

CAN240058A - View 3
Simcoe County AH
Barrie, ON

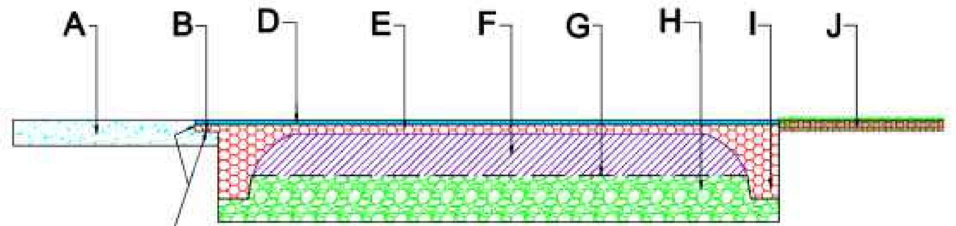
PlayPower Canada — Serving Canada Since 1947 — Miracle — little tikes COMMERCIAL Play Structures

EVERPLAY 18 Automatic Rd., Unit 12, Brampton, ON, Canada L6S 5N5 Tel: (416) 410-3056 Fax: (905) 494-1136
play and recreation surfaces EVERPLAY INTERNATIONAL INC.

EVERPLAY SURFACE CROSS SECTION



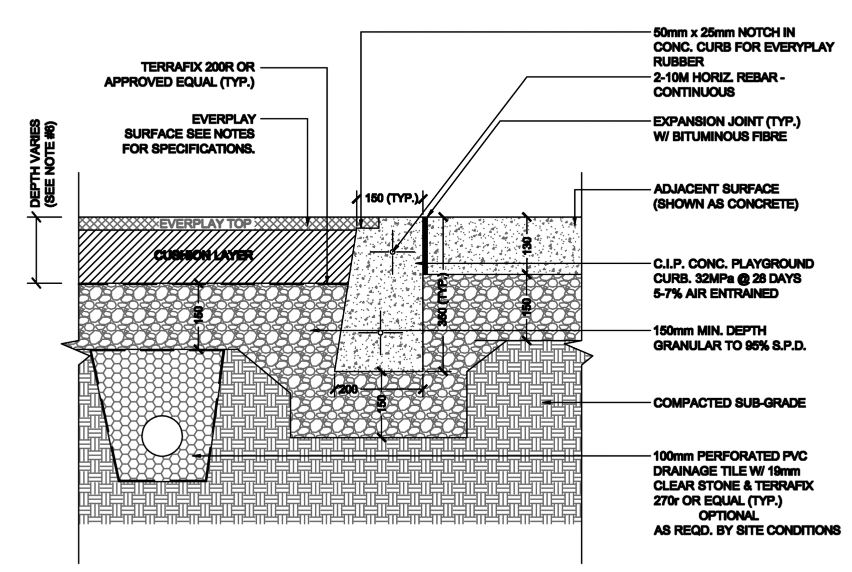
EVERPLAY SURFACE CROSS SECTION / EPDM



A - Asphalt, concrete or timber curb - face primed prior to installation of EVERPLAY.
B - 50mm x 25mm notch in concrete curb.
C - EVERPLAY 30mm top layer (this is constant).
D - EVERPLAY 10mm top layer EPDM (this is constant).
E - EVERPLAY 20mm second layer (this is constant).
F - EVERPLAY double density cushion layer - varies in depth according to fall height.
G - Terrafix 200R Filter Cloth.
H - 19mm (3/4") Granular A (crusher run) base - depth varies.
I - Trenched edge, approximately 80mm x 80mm (3" x 3").
J - Sod, possibly installed after surface.

EVERPLAY Standard Edge Detail — Drawn By: M. de Richmond Date: 4/2/2010

CONCRETE CURB EDGE DETAIL



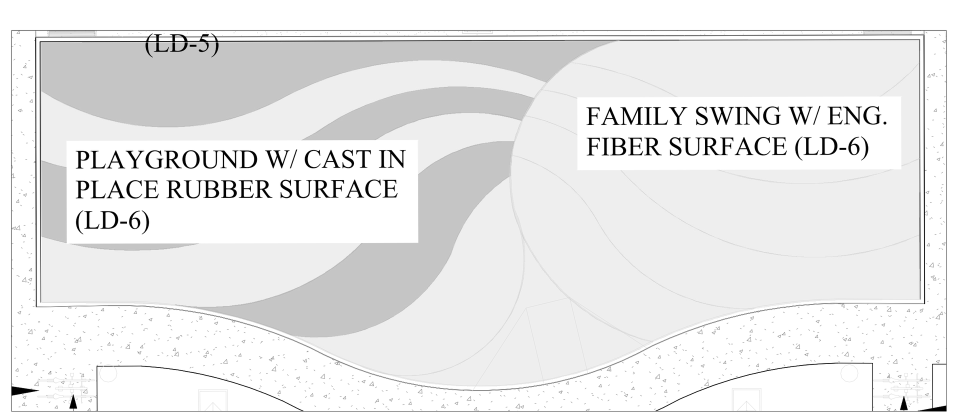
NOTES:

1. ALL PLAYGROUND SURFACES TO BE INSTALLED AS PER EVERPLAY SPECIFICATIONS.
2. RUBBERIZED SURFACE TO BE 'EVERPLAY' "IN-SITU".
3. GRANULAR BASE THICKNESS TO MEET ALL APPLICABLE CODES AND GUIDELINES.
4. WARRANTY TO BE 5 YEARS (MATERIALS, WORKMANSHIP & COMPLIANCE TO ASTM-F1292).
5. COLOUR TO BE TERRA COTTA OR GREEN PIGMENTED.
6. PLAYGROUND SURFACE DEPTH TO VARY ACCORDING TO MAXIMUM DROP HEIGHT FROM TOPS OF BARRIERS, SWINGS & CLIMBERS. Gmax <150 and HIC <800.
7. PLAYGROUND SURFACE TO BE INSTALLED FLUSH TO ADJACENT CURB.

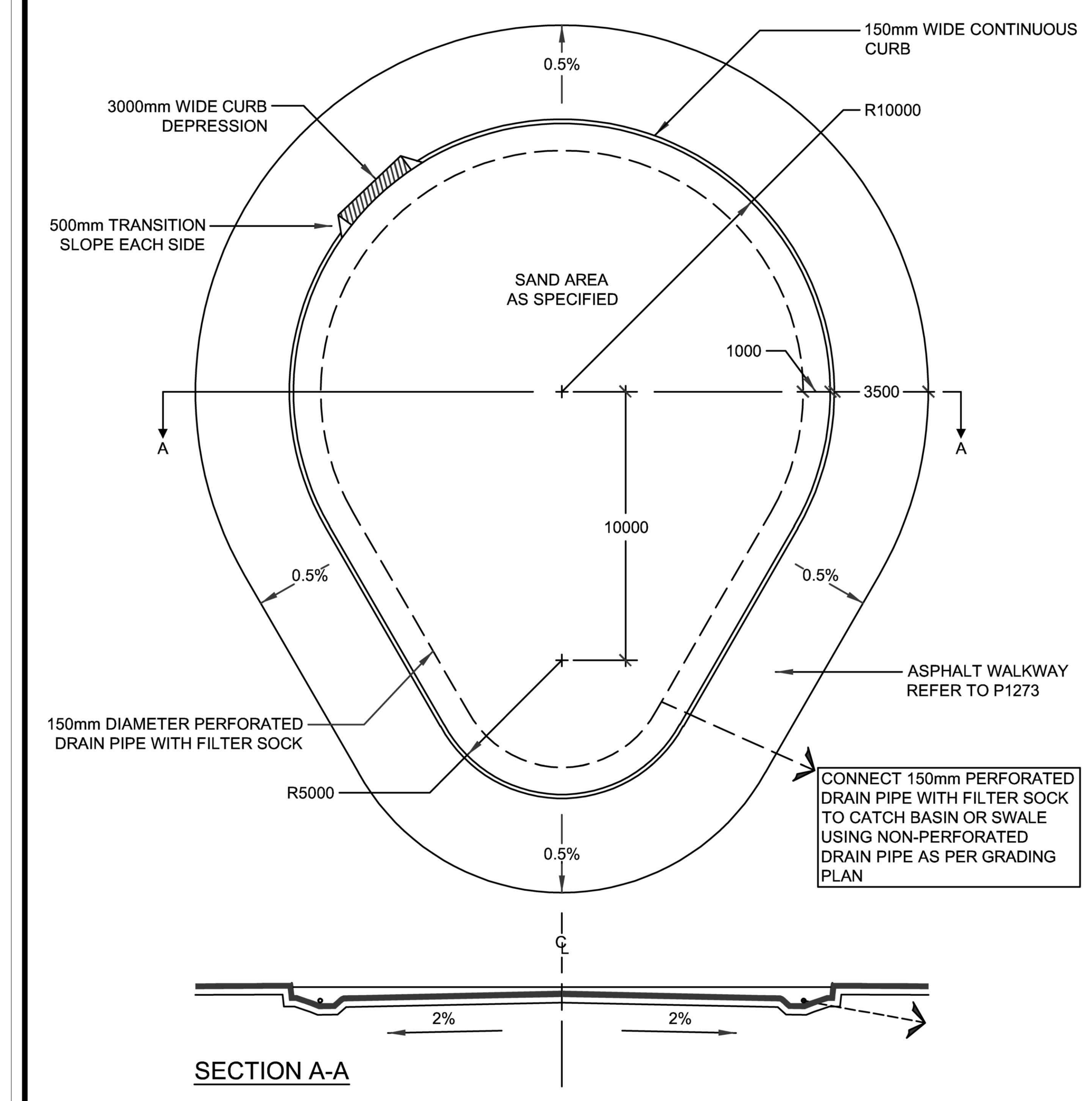
EVERPLAY Installation Inc.
18 Automatic Road, Unit 12
Brampton, Ontario, Canada L6S 5N5
Tel: 416-410-3056 Fax: 905-494-1136
Tel: 888-EVERPLAY Email: rolf@everplay.com
henry@everplay.com
Web: www.everplay.com
Drawn By: M. de Richmond Date: 30/01/2010

NOTE:

CONNECT/ EXTEND GRANULAR BASE TO SWALE SUBDRAIN. CERTIFIED SHOP DRAWING TO BE PROVIDED TO THE LANDSCAPE ARCHITECT BEFORE INSTALLATION.

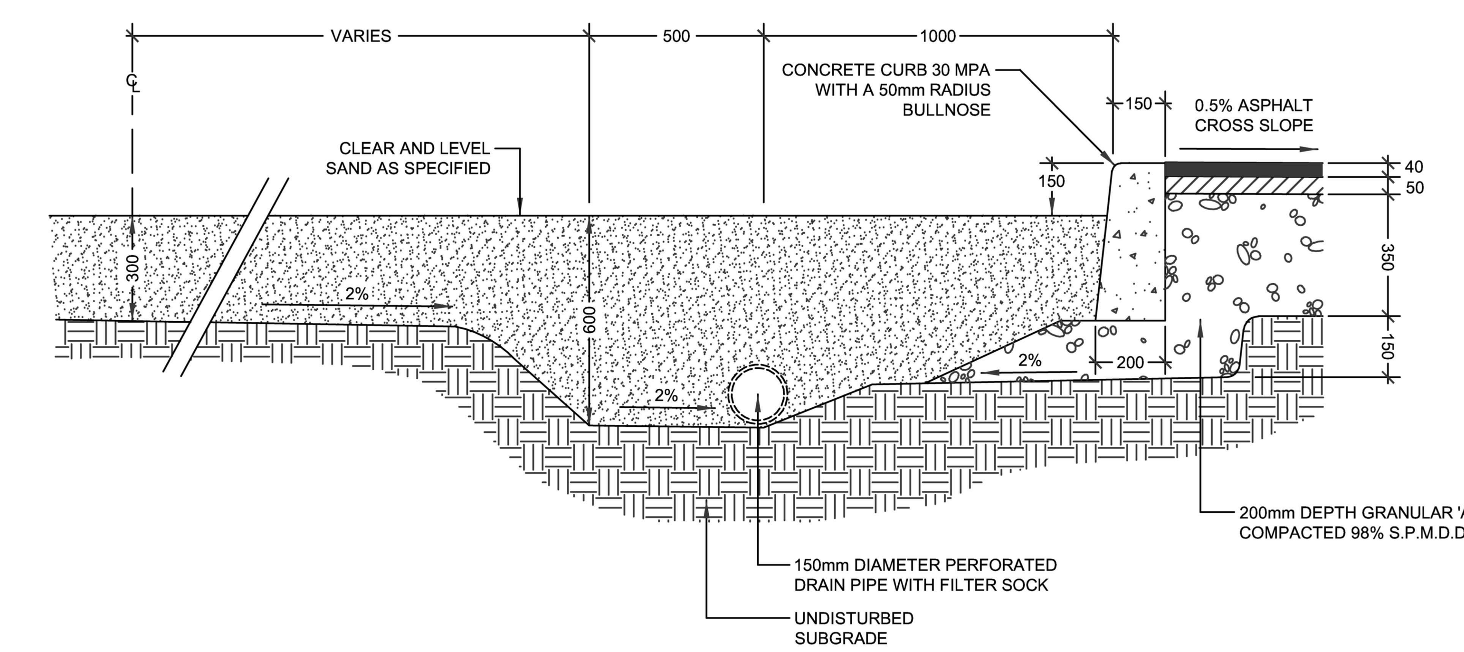


PLAYGROUND SURFACE LAYOUT



1. PATHWAY ENTRANCE(S) LOCATION TO BE DETERMINED ACCORDING TO SPECIFIC SITE.
2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. 20 000 SETBACK FROM ADJACENT RESIDENTIAL AND 15 000 SETBACK FROM PROPERTY LINE.
4. SEE P1271 FOR DRAIN AND CURB DETAIL.

Barrie	PLAY AREA AND WALKWAY	REV No. 2	DATE: APR 2023 SCALE: N.T.S.
		P1270	



1. REFER TO P1270 FOR LAYOUT AND RADIUS DIMENSIONS FROM CENTRE LINE TO FACE OF CURB.
2. SEE RELATED PLAN(S) FOR SOLID DRAIN PIPE WITH A LEAD MINIMUM 150mm DIAMETER AND A MINIMUM 1% FALL TO CATCH BASIN / SWALE.
3. CURB CONTROL JOINTS 8000mm O.C.
4. SLOPE SUB-GRADE RADIALLY FROM CENTRE LINE.
5. ALL DIMENSIONS ARE IN MILLIMETRES.

Barrie	PLAY AREA CURB AND DRAINAGE	REV No. 2	DATE: APR 2023 SCALE: N.T.S.
		P1271	

PLAY SURFACE UPGRADED TO ENGINEERED WOOD FIBER AND CAST IN PLACE RUBBER SURFACE.

KEY MAP — N.T.S.

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No.	REVISION	DATE	APRVD.
1.	COMPLETED FOR SUBMISSION TO THE CITY OF BARRIE	May 24, 2024	StT
2.	REVISED AS PER CITY COMMENTS	June 24, 2024	StT
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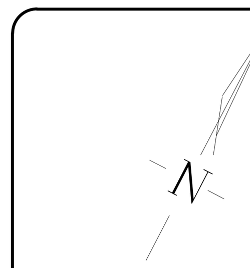


BASE PLAN REVISED: FEBRUARY, 2024

Client info:
County of Simcoe, Social Housing Department
1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO — OALA — MEMBER
LANDSCAPE ARCHITECTS STAMP

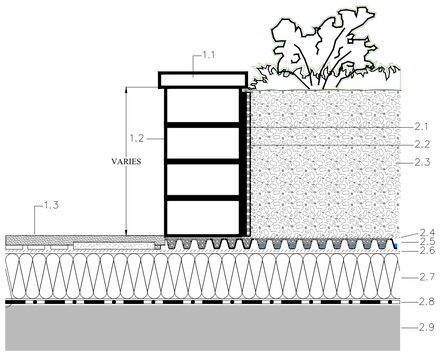
JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists
274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4
Fax: 705-722-5660
Tel: 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

PLAYGROUND LANDSCAPE PLAN

SCALE:	DESIGNED BY:	REVIEWED BY:
1/150	StT	NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23	LD-6

1.1 Concrete planter coping (Refer to spec on this page)
1.2 Concrete planter wall block (Refer to spec on this page)
1.3 safSURFACES rubber paving tile (Refer to detail on this page)
2.1 Styrofoam SM rigid insulation
2.2 Geotextile cordrain protection
2.3 Growing medium Zinco blend–I, depth 720mm
2.4 Filter sheet Zinco SF
2.5 Drain and water storage element Zinco Floradrain FD 40–E, infill with crushed aggregate
2.6 Diffusion membrane Zinco TGV 21
2.7 XPS rigid insulation (Refer to arch. drawings)
2.8 Root barrier Zinco WSF 40
2.9 Roof construction with waterproofing membrane (Refer to arch. drawings)



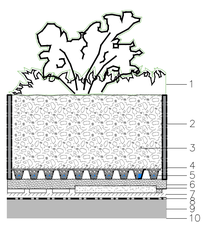
PLANTER WALL DETAIL

Notes:

This detail is particular for the ZinCo Green Roof system to use. The roof construction and the waterproofing are not specified as this can vary.

GREEN ROOF BUILD-UP ASSEMBLY

1 Plant material: Lawn, perennials, shrubs and small trees.
2 Growing medium ZinCo Blend–I, depth: 720 mm
3 Filter sheet ZinCo SF
4 Drain and water storage element ZinCo Floradrain FD 40–E, infill with crushed aggregate.
5 Diffusion membrane Zinco TGV 21
6 XPS rigid insulation
7 Root barrier Zinco WSF 40
8 Roof construction with waterproofing membrane



1 Plant material: Perennials
2 Perennial planter. refer to detail on this page
3 Growing medium ZinCo Blend-I
4 Filter sheet ZinCo SF
5 Drain and water storage element ZinCo Floradrain FD 40-E, infill with crushed aggregate.
6 Rubber paving tile with holes. Refer to detail on this page
7-10 Refer to architect plan A-4.5 for roof assembly under the rubber tiles.

ZINCO FLORADRAIN FD 40-E, INFILLED WITH CRUSHED AGGREGATE, WITH FILTER SHEET SF ON TOP TO BE LAID INSIDE OF PERENNIAL PLANTERS BEFORE ADDING SOIL.
REFER TO THE DETAIL ON THIS PAGE.

Notes:

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NOTE: ITEMS SPECIFIED ARE TO BE SUPPLIED BY ZINCO CANADA AND INSTALLED AS PER MANUFACTURERS SPECIFICATIONS OR APPROVED EQUAL.

ZINCO CANADA: 905-690-1661

SHOP DRAWINGS TO BE PROVIDED BY CONTRACTOR FOR FINAL APPROVAL

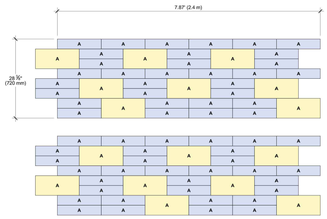
PLANTERS DETAIL

INSTALLATION GUIDE

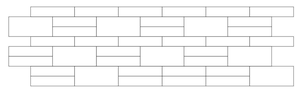
RETAINING WALLS - RAFFINATO 90 mm & 180 mm

4-Row Pattern | Laying Patterns

The 4-row model shows two combination examples. This combination is 2.4 m (7.87') long and 720 mm (28 ¼") high. **This model should only be used where geogrid is not required.**



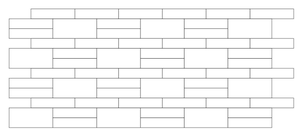
NUMBER OF BLOCKS REQUIRED	MODULE
RAFFINATO	**A**
67 % of the surface - Raffinato 90 mm	32
33 % of the surface - Raffinato 180 mm	8



3-Row Pattern | Laying Patterns

The 3-row model is 2.4 m (7.87') long and 540 mm (21 ¼") high. This model allows for a graded area at every 540 mm (21 ¼"), which corresponds to the recommended spacing between the layers of geogrid in a Raffinato wall. **This model is recommended when using geogrid.**

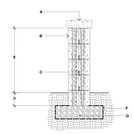
NUMBER OF BLOCKS REQUIRED	MODULE
RAFFINATO	**A**
67 % of the surface - Raffinato 90 mm	24
33 % of the surface - Raffinato 180 mm	6



PLANTER WALL SPECIFICATIONS

INSTALLATION GUIDE

FREESTANDING WALLS - RAFFINATO 90 mm & 180 mm

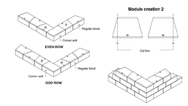


RAFFINATO 90 mm & 180 mm

A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
B. RAFFINATO 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE
C. CONNECTOR

DETAIL TO BE USED IN CONJUNCTION WITH PLANTER DETAIL SHOWN ON THIS PAGE

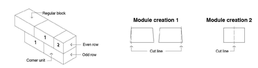
90° CORNER OF A DOUBLE-SIDED WALL



DOUBLE-SIDED WALL RADIUS

It is the user's responsibility to verify for the quantity of materials required.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



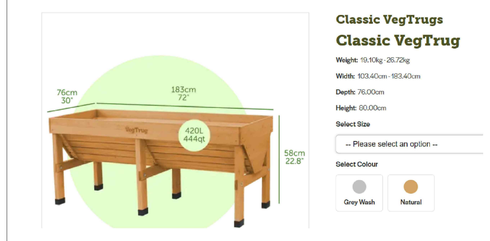
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

CONCRETE PLANTER WALL BY 'TECHO-BLOC.' OR APPROVED SIMILAR PRODUCT.
1-877-832-4625

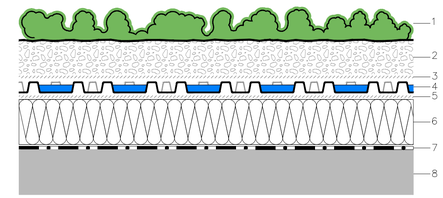
Raffinato Smooth Wall Series
Infill- Colour: Greyed Nickel
Pattern: See installation guide for example
Coping (60mm)- Colour: Onyx Black

Planter 'A': 720mm HT. 4 row pattern
Planter 'B': 540mm HT. 3 row pattern
Coping for both: 60mm



VEGTRUG VEGETABLE PLANTER (TYP.)

1 Plant material – Sedum Species
2 Growing medium ZinCo Blend–E. Depth: 60 – 80 mm
3 ZinCo filter sheet SF (attached to Fixodrain)
4 Drain and water storage element ZinCo Fixodrain® XD 20
5 ZinCo diffusion membrane TGV 21
6 XPS rigid insulation
7 Root barrier ZinCo WSF40
8 Roof surface with waterproofing membrane



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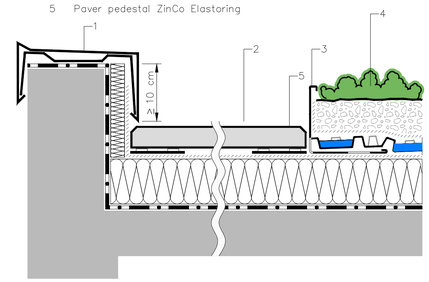
ZINCO CANADA: 905-690-1661

GREEN ROOF ASSEMBLY DETAIL

1 Coping
2 TYP. 600x600mm concrete paver
3 Seperation element ZinCo KL60/80 (Optional)
4 System build–up:

– Roof Surface
– Waterproofing membrane
– ZinCo root barrier WSF40
– XPS rigid insulation
– ZinCo diffusion membrane TGV 21
– Drain and water storage element ZinCo Fixodrain® XD 20
– ZinCo filter sheet SF (attached to Fixodrain)
– Growing medium ZinCo Blend–E. Depth: 60 – 80 mm
– Plant material – Sedum Species

5 Paver pedestal ZinCo Elastoring



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PARAPET PAVERS ARE TO BE 600mm x 600mm x 50mm CONCRETE PATIO SLABS SET ON ROOF WITH ZINCO SPACERS.

FOR ROOF SURFACE MATERIAL REFER TO ARCHITECTURAL DRAWINGS

PARAPET PAVERS DETAIL

KEY MAP N.T.S.

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1110 Highway #26, Midhurst, Ontario L9X 1N6
Phone: 705-726-9300 Ext. 1055

ACCEPTED BY:

DATE

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
OALA
MEMBER

LANDSCAPE ARCHITECTS STAMP
STAMP AND SIGNATURE VOID IF REPRODUCED

JDB ASSOCIATES LTD.
Urban Designers
Landscape Architects
Arborists

274 Burton Ave., Suite 1201
Barrie, Ontario
L4N 5W4

Fax: 705-722-5660
Tel. 705-722-6278

20 ROSE STREET
PART OF LOTS 7 AND 8, REGISTERED PLAN 114
City of Barrie

ROOFTOP AMENITY DETAILS

SCALE:	DESIGNED BY:	REVIEWED BY:
NTS	SiT MC	NB
CITY FILE No. D28-087-2022	OUR FILE REF. # 30-23 MC	LD-7