

EXPENSE OF THE CONTRACTOR.

4. LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. LAYOUT, PLANT STAKE-OUT AND DELIVERED PLANT MATERIAL SHALL BE APPROVED BY THE CONSULTANT PRIOR TO INSTALLATION.

PLANTING NOTES:

5. NATIVE OR IMPORTED TOPSOIL SHALL BE TESTED AS SPECIFIED AND APPROVED BY THE CONSULTANT PRIOR TO ADDING ANY AMENDMENTS AND PLACEMENT. PLANTING MIX, WHERE INDICATED, SHALL FOLLOW THE MIX SPECIFICATIONS.

6. PROVIDE 450MM MINIMUM DEPTH OF APPROVED TOPSOIL OR PLANTING MIX IN ALL BEDS, UNLESS OTHERWISE NOTED. ALL BEDS SHALL BE MULCHED WITH APPROVED MULCH TO A MINIMUM DEPTH OF 100MM, UNLESS OTHERWISE NOTED. DEPTHS SHALL BE THOSE ACHIEVED UNDER LIGHT COMPACTION. AREAS TO BE SODDED OR SEEDED SHALL BE PROVIDED WITH 200 MM OF APPROVED TOPSOIL, COMPACTED TO 85% SPD.

7. NO BARE-ROOT PLANTING SHALL BE PERMITTED BETWEEN MAY 15 AND OCTOBER 15.

8. PLANT MATERIAL SHALL BE THOROUGHLY WATERED AT THE TIME OF PLANTING.

SEEDING SHALL BE MAINTAINED AND WARRANTIED UNTIL OCTOBER 1 FOR SPRING SEEDING AND JUNE 1 FOR FALL SEEDING.

9. THOSE AREAS NOT SPECIFICALLY IDENTIFIED FOR PLANTING, OR OTHERWISE NOTED,

SHALL BE SODDED. SODDING SHALL BE MAINTAINED AND WARRANTED UNTIL FIRST CUT.

10. ALL TREES AND SHRUBS SHALL BE UNDER WARRANTY FOR A PERIOD OF 24 MONTHS COMMENCING ON THE DATE OF ACCEPTANCE.

11. THE CONTRACTOR SHALL PROVIDE MAINTENANCE IMMEDIATELY AFTER THE PLANTS MAINTENANCE REQUIREMENTS SHALL INCLUDE ALL PROCEDURES CONSISTENT WITH PROPER HORTICULTURAL PRACTICES TO ENSURE NORMAL, VIGOROUS, AND HEALTHY GROWTH OF ALL MATERIAL PLANTED. ALL STAKES, WIRE, HOSE, AND OTHER ACCESSORIES MUST BE REMOVED PRIOR TO FINAL WARRANTY INSPECTION.

12. ALL PLANT MATERIAL USED AS REPLACEMENTS FOR UNACCEPTABLE MATERIAL SHALL BE OF THE SAME QUALITY AND REQUIREMENTS PRESCRIBED FOR THE ORIGINAL MATERIAL. REPLACEMENTS SHALL BE MADE ONCE UNDER THE WARRANTY.

Planting Density Chart Calculations				
Plant Category	Required	Provided		
Deciduous Trees, Site Area / 200	127	102		
Evergreen Trees, Site Area / 400	63	63		
Deciduous Shrubs, Site Area / 100	254	522		
Coniferous Shrubs, Site Area / 200	127	181		
Site Area: 25,385m2				

1.0 GROWING MEDIUM TESTING:

1.1 GROWING MEDIUMS (TOPSOIL; PLANTING MIXES) AND ORGANIC AMENDMENTS MUST BE TESTED BY AN OMAFRA ACCREDITED AGENCY AND APPROVED PRIOR TO USE. TEST TOPSOIL FOR P, K, CA AND MG, MINOR ELEMENT VALUES, SOLUBLE SALT CONTENT, ORGANIC MATTER, TEXTURE AND PH VALUE APPROPRIATE FOR THE ESTABLISHMENT AND GROWTH OF ORNAMENTAL NURSERY STOCK. SUBMIT TEST RESULTS AND ANALYSIS INCLUDING RECOMMENDATIONS FOR AMENDMENTS AND FERTILIZER TO THE CONSULTANT.

2.0 TOPSOIL:

TOPSOIL SHALL BE FERTILE, FRIABLE, TOPSOIL, FREE OF: FRAGMENTS LARGER THAN 75MM IN SIZE; STONES OVER 30MM IN DIAMETER; DEBRIS; PLANTS OR THEIR ROOTS; STICKS; NOXIOUS SEED PLANTS; STOLONS; SEEDS; SALTS; SOIL STERILANTS; CHEMICAL CONTAMINANTS; O OTHER MATERIALS DETRIMENTAL TO PLANT GROWTH.

2.2 FERTILIZER AND AMENDMENTS: MUST BE MADE AS PER SOIL TESTING AGENCY RECOMMENDATIONS.

2.3 ALL TOPSOIL FOR THE INTENSIVE USE LAWN AREAS SHALL BE SANDY LOAM CLASS ONLY.

2.4 TOPSOIL: SHALL NOT BE MOVED, DELIVERED OR WORKED ON WHILE IN A FROZEN STATE OR

3.0 GROWING MEDIUM - PLANTING MIXES:

3.1PLANTING MIX: (WHERE SPECIFIED) SHALL BE THOROUGHLY COMBINED PRIOR TO PLACEMENT IN PLANTING BED AREAS TO THE FOLLOWING PROPORTIONS: 4 PARTS APPROVED TOPSOIL, 1 PART COMPOST, 1 PART SHREDDED PEAT MOSS AND AN APPLICATION OF HIGH PHOSPHOROUS FERTILIZER (0-20-0).

3.2 MIXES CONTAINING A SIGNIFICANT AMOUNT OF PEAT MOSS SHALL NOT BE PERMITTED TO DRY OUT. THE MOISTURE CONTENT OF THE PEAT MOSS AT THE TIME OF MIXING SHALL BE NOT LESS THAN 60% TO 75%.

4.0 FERTILIZER AND AMENDMENTS:

4.1 ORGANIC SOIL ADDITIVE: "GRO-BARK" FINE COMPOSTED PINE MULCH OR AN APPROVED ALTERNATIVE.

4.2 FERTILIZER: COMPLETE COMMERCIAL FERTILIZER WITH 50% OF THE ELEMENTS DERIVED FROM ORGANIC SOURCES.

4.3 PEAT MOSS: DECOMPOSED PLANT MATERIAL, FAIRLY ELASTIC AND HOMOGENOUS, FREE OF DECOMPOSED COLLOIDAL RESIDUE, WOOD, SULPHUR AND IRON AND OF BROWN COLOUR CONTAINING MINIMUM 60% ORGANIC MATTER BY WEIGHT, MOISTURE CONTENT NOT EXCEEDING 15% AND PH VALUE OF 3.4

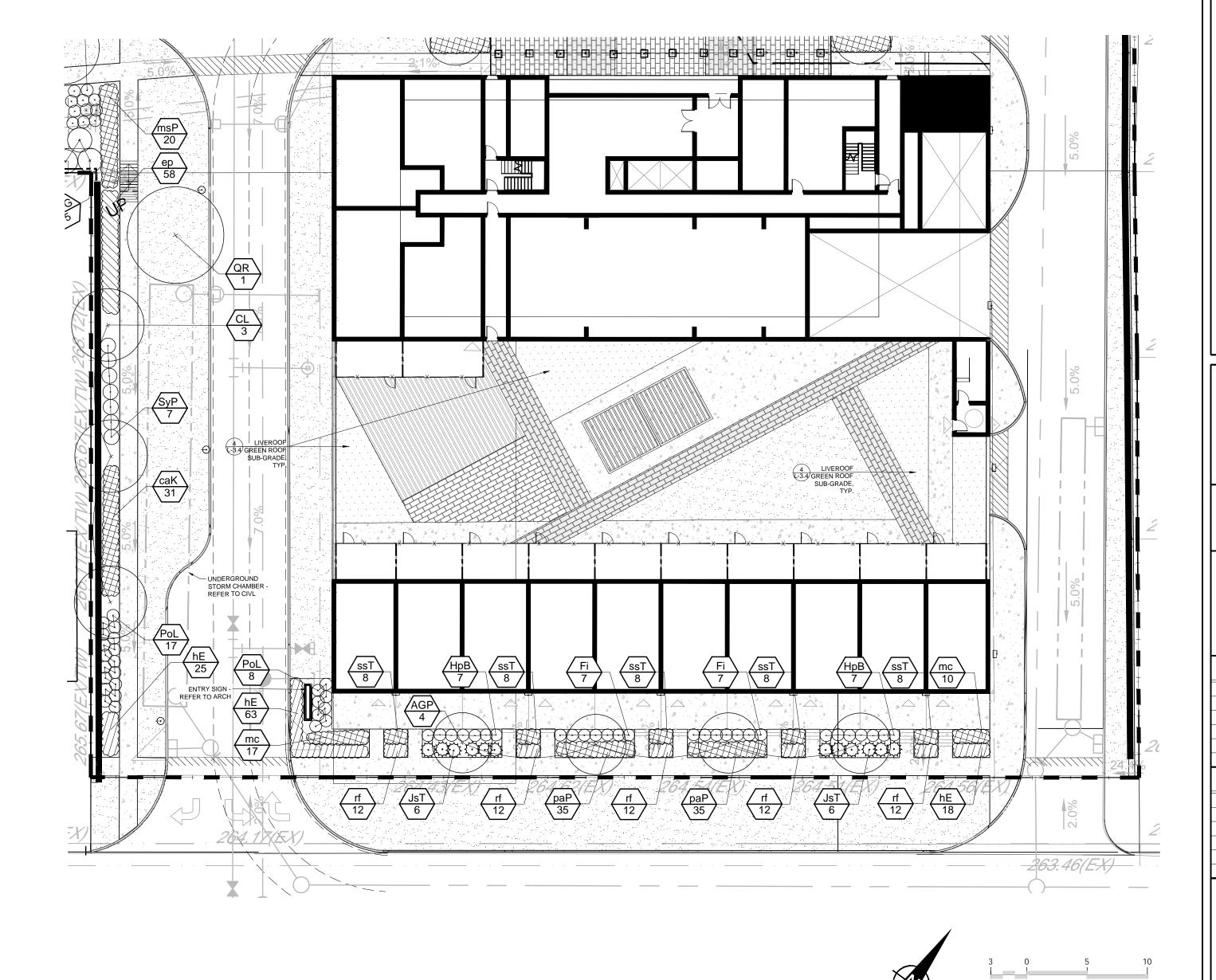
4.4 COMPOST AND MANURE: SHALL MEET THE STANDARDS FOUND IN THE INTERIM GUIDELINES FOR THE PRODUCTION AND USE OF AEROBIC COMPOST IN ONTARIO PUBLISHED BY THE ONTARIO MINISTRY OF ENVIRONMENT AND ENERGY (MOEE). AND SHALL BE VIRTUALLY FREE FROM ALL VIABLE WEED SEEDS. OR OTHER PLANT REPRODUCTIVE PARTS, PATHOGENS, CHEMICALS OR TOXIC CONTAMINATES. MANURE SHALL BE WELL ROTTED, UNBLEACHED CATTLE MANURE, FREE FROM HARMFUL CHEMICALS AND OTHER INJURIOUS SUBSTANCES, AT LEAST EIGHT MONTHS OLD, BUT NOT MORE THAN TWO YEARS OLD AND WITH NO MORE THAN 25% STRAW, LEAVES OR OTHER MATERIALS. PHYSICAL CONTAMINATES SUCH AS ROCK, PLASTIC, METAL OR GLASS SHALL BE LESS THAN 0.5%. TOTAL CARBON TO NITROGEN RATIO IN THE RESULTING GROWING MEDIUM SHALL NOT EXCEED 30:1.

4.5 LIME: LIMESTONE CONTAINING NOT LESS THAN 8% OF CALCIUM AND MAGNESIUM CARBONATES COMBINED, FINELY GROUND TO PASS A 10 MESH SIEVE WITH AT LEAST ONE HALF PASSING A 100 MESH SIEVE. RATE OF APPLICATION SHALL BE DETERMINED AFTER THE PH OF THE TOPSOIL.

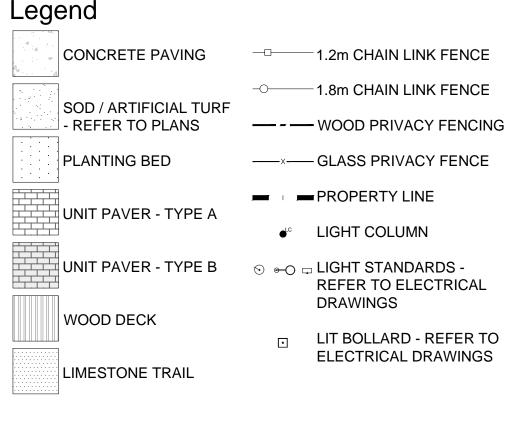
4.6 BONEMEAL: RAW, FINELY GROUND WITH A MINIMUM ANALYSIS OF 4% NITROGEN AND 20% PHOSPHORIC ACID.

4.7 SAND: SHARP, CLEAN SAND, TO OPSS 1002-3.

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER		REMARKS
AGP	4	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	60mm Cal.	W.B.		
CL	3	Cladrastis lutea	American Yellowwood	60mm Cal.	W.B.		
QR	1	Quercus rubra	Red Oak	60mm Cal.	W.B.		To be spring dug and planted.
CONIFEROUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
JsT	12	Juniperus sabina `Tamariscifolia`	Tamarix Savin Juniper	60cm	3 gal.	1.3m	
DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
Fi	14	Forsythia x intermedia 'Fiesta'	Fiesta Forsythia	60cm	3 gal.	1m	
НрВ	14	Hydrangea paniculata `Bombshell`	Bombshell Hydrangea	60cm	3 gal.	1m	
PoL	25	Physocarpus opulifolius 'Little Devil' TM	Little Devil Dwarf Ninebark	60cm	3 gal.	1m	
SyP	7	Syringa meyeri `Palibin`	Dwarf Korean Lilac	60cm	3 gal.	1.25m	
ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
caK	31	Calamagrostis x acutiflora `Karl Foerster`	Feather Reed Grass		1 gal.	700mm	TAZIWI WAR
msP	20	Miscanthus sinensis 'Purpurescens'	Purple Eulalia Grass		1 gal.	800mm	
mc	27	Molinia caerulea 'Moorhexe'	Moor Witch Moor Grass		1 gal.	600mm	
раР	70	Pennisetum alopecuroides 'Piglet'	Piglet Dwarf Fountain Grass		1 gal.	500mm	
ssT	40	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem		1 gal.	550mm	
	T	T	T				
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
ер	58	Echinacea purpurea	Coneflower		1 gal.	500mm	
hE	106	Hemerocallis x 'Elegant Candy'	Elegant Candy Daylily		1 gal.	450mm	
rf	60	Rudbeckia fulgida sullivantii 'Goldsturm'	Goldsturm Coneflower		1 gal.	450mm	







- 1. DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT
- 2. CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK
- 3. ALL UTILITY LOCATES ARE THE RESPONSIBILITY OF THE CONTRACTOR. HAND DIG WITHIN THE LIMITS RECOMMENDED BY THE SERVICE UTILITY. UTILITY CONFLICTS WITH PROPOSED TREE LOCATIONS MUST BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT
- 4. BASE DRAWING PROVIDED BY SRM ARCHITECTS INC.
- 5. VEGETATION INVENTORY BY GSP GROUP INC.
- 6. FOR GRADING INFORMATION REFER TO DRAWING BY KWA. FOR SERVICING INFORMATION REFER TO DRAWINGS BY KWA.
- 7. LANDSCAPE DRAWINGS SHOW ENGINEERING INFORMATION FOR DESIGN PURPOSES ONLY. DO NOT CONSTRUCT ENGINEERING WORKS FROM THESE DRAWINGS.

ROOFTOP AMENITY PLAN PLANTING

10-24 GROVE STREET, BARRIE, ON FILE: D11-021-2021

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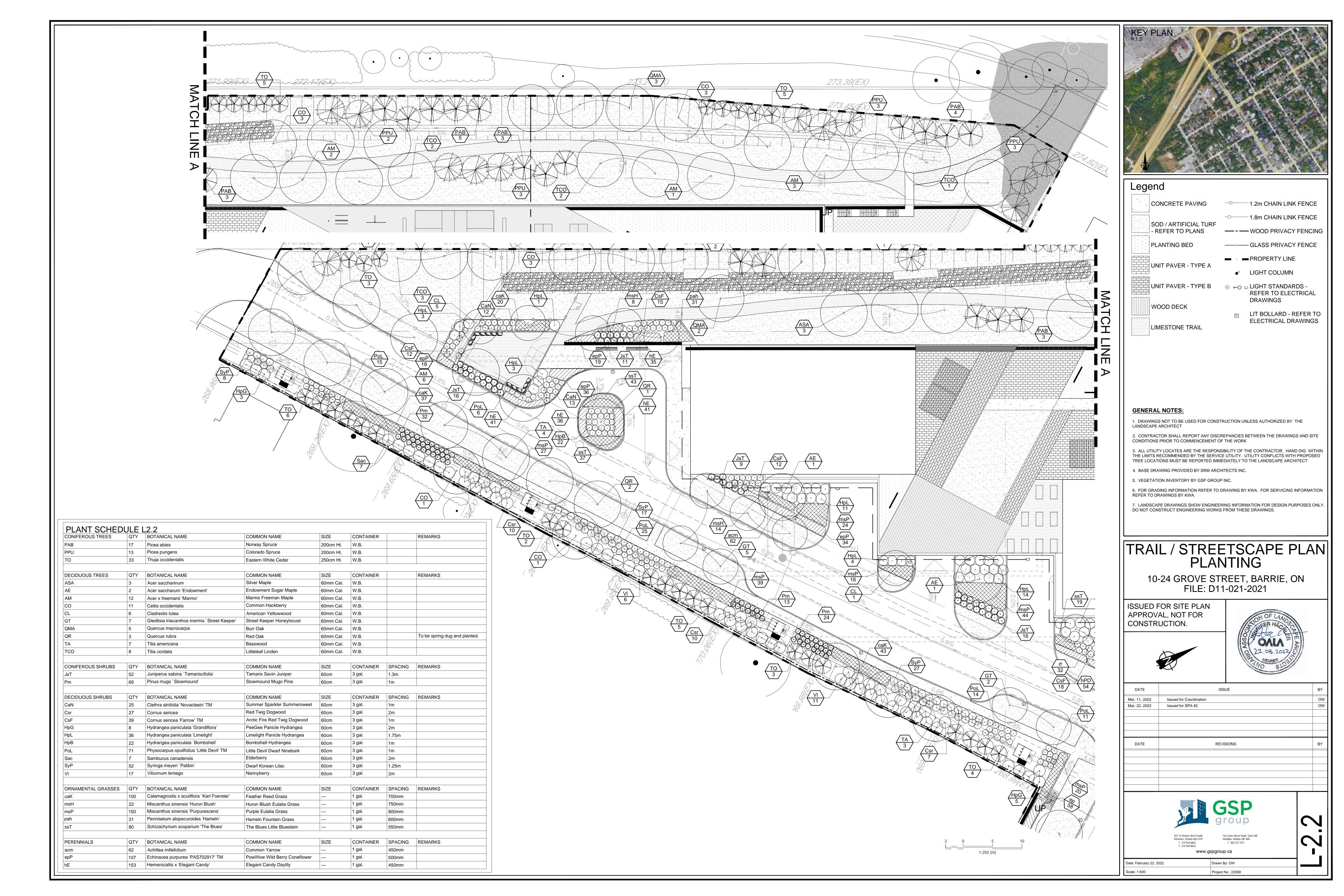


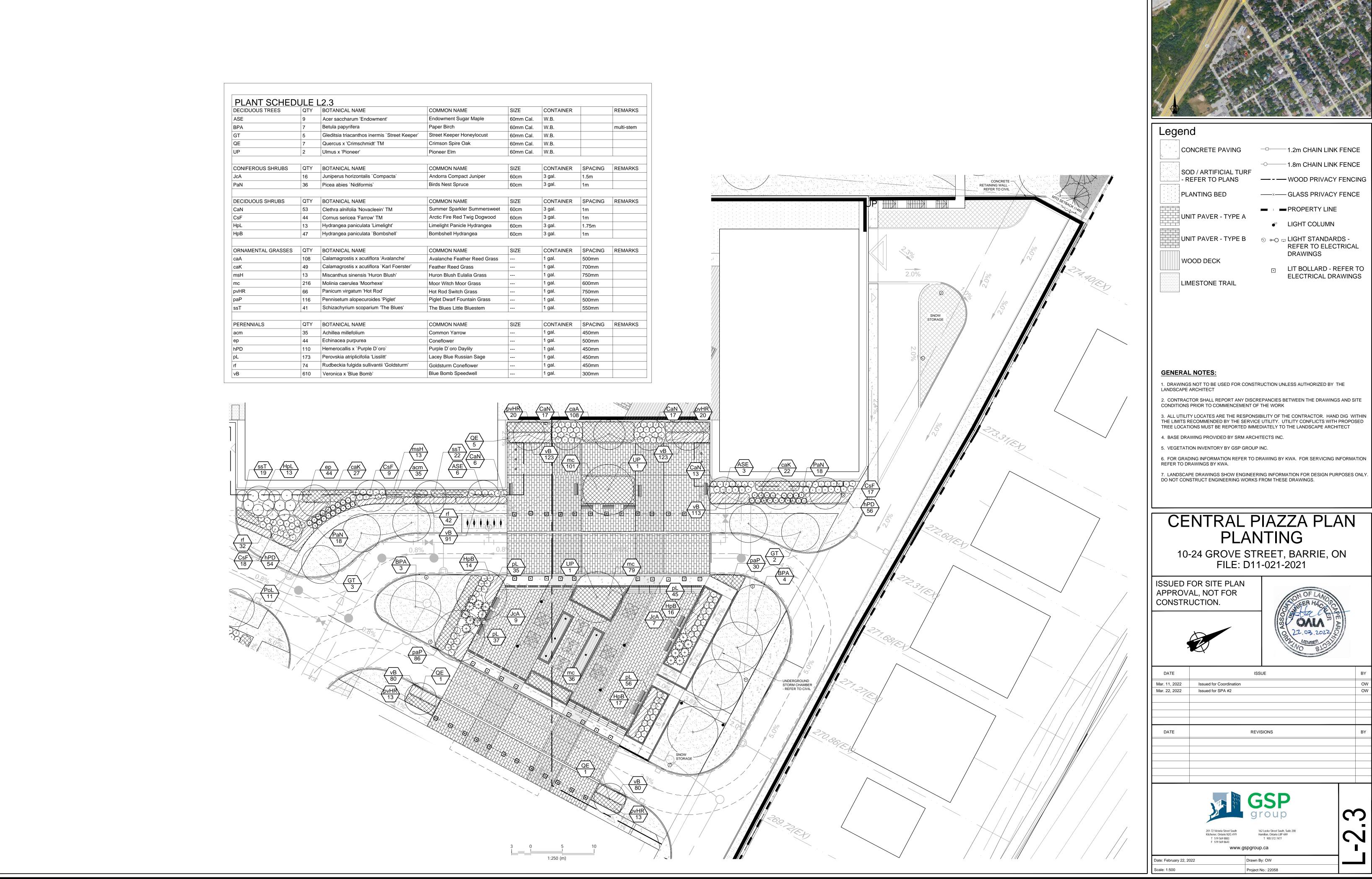
Date: February 22, 2022



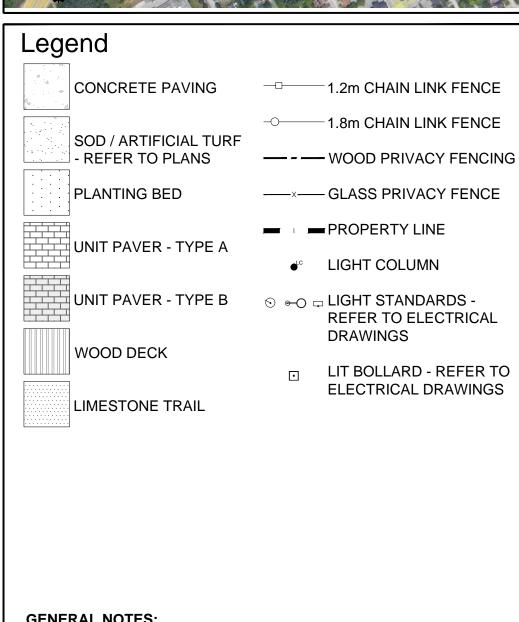
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11, 2022	Issued for Coordination			OV
. 22, 2022	Issued for SPA #2			OV
DATE		REVISIONS		BY
	201-72 Victoria Street South Kitchener, Ontario NZG 4Y9 T 519 569 8883 F 519 569 8643	GSP Group 162 Locke Street South, Suite 200 Hamilton, Ontario L8P 4A9 T 905 572 7477	7.1	- 7-

Drawn By: OW Project No.: 22058

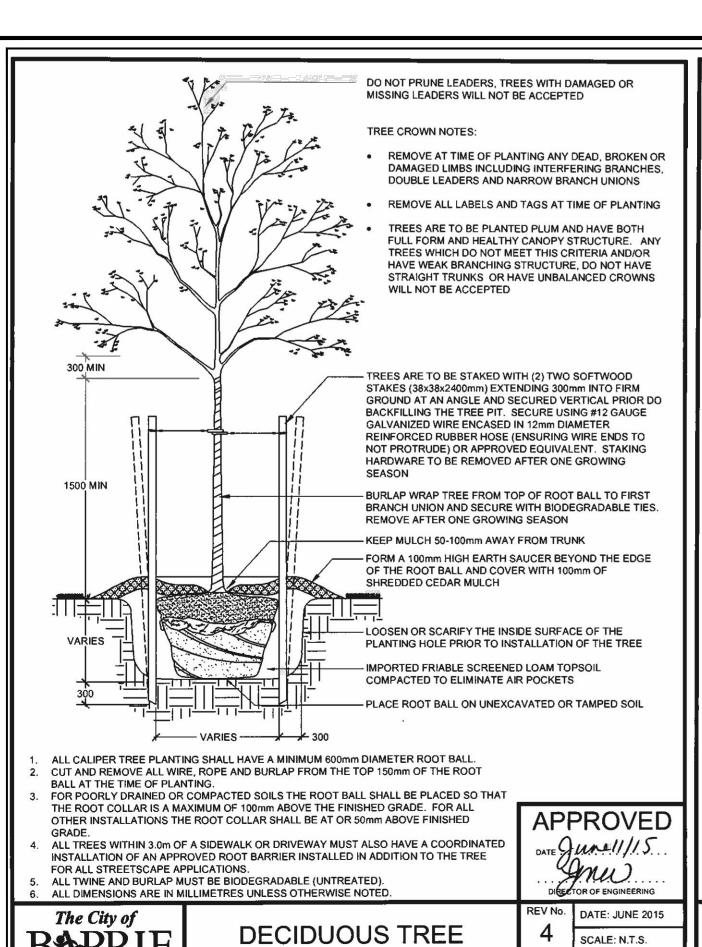






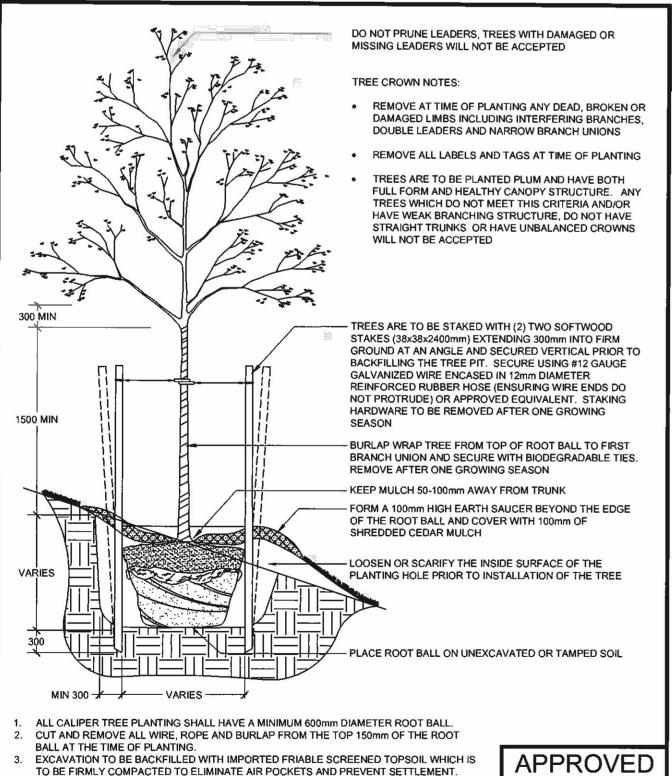


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GSP group			



PLANTING DETAIL

STANDARD DETAIL



DECIDUOUS TREE

PLANTING ON SLOPE

DATE . June 111/5.

REV No. DATE: JUNE 2015

BSD-1311

SCALE: N.T.S.

BARRIE

STANDARD DETAIL

EXPOSED SOIL SHALL BE RE-SODDED OR IN A RESTORATION ENVIRONMENT SEEDED

WITH A SIMCOE COUNTY NATIVE SEED MIX AND ANNUAL RYE NURSE CROP.

ALL TWINE AND BURLAP MUST BE BIODEGRADABLE (UNTREATED).

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

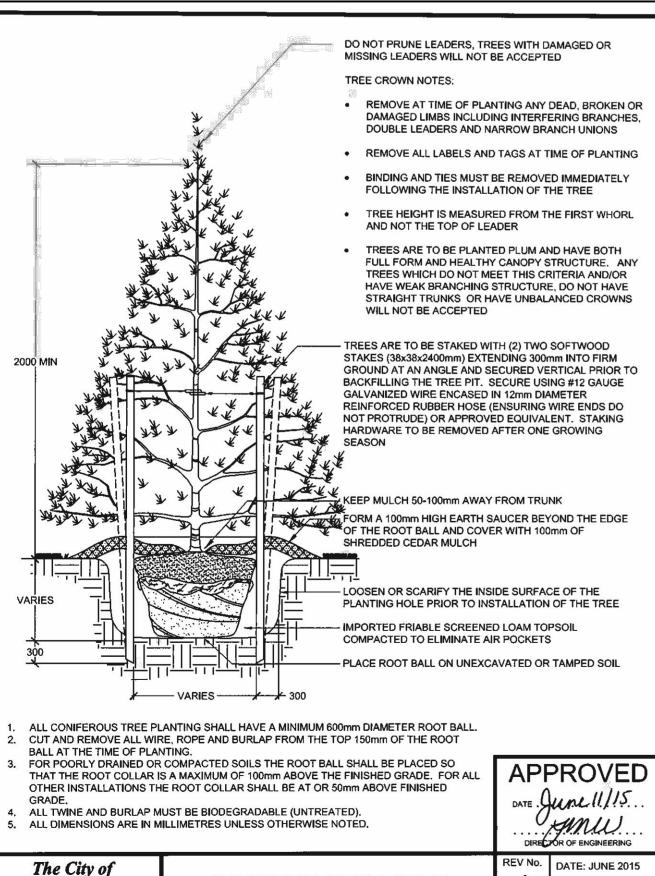
The City of

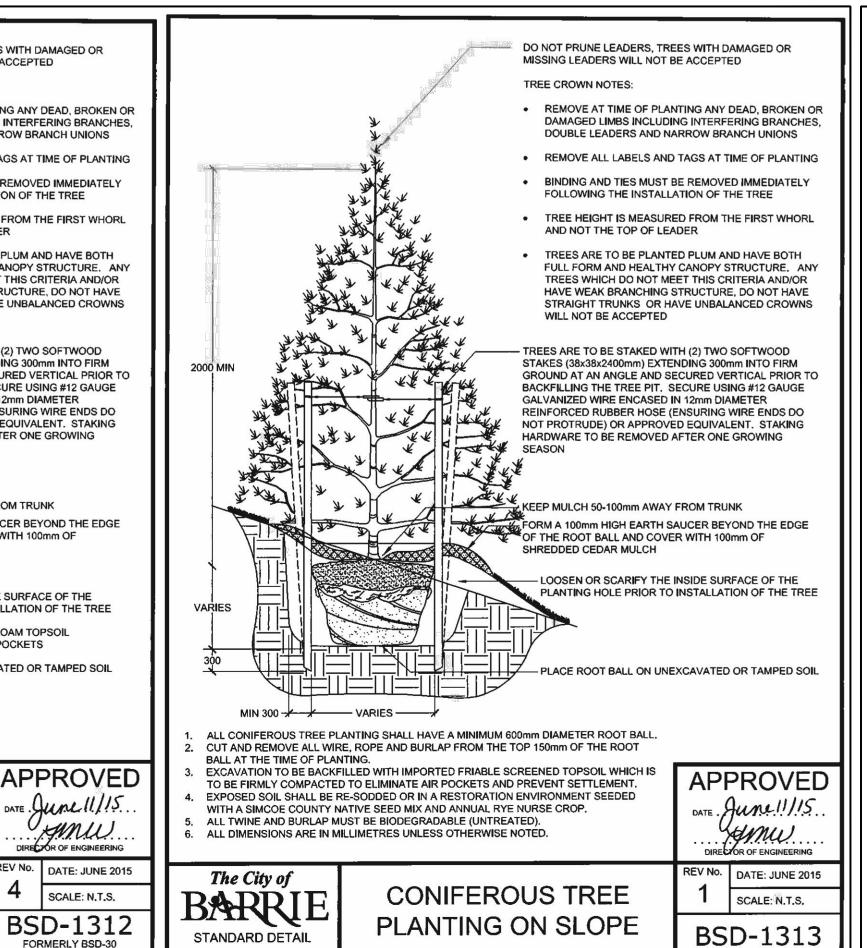
STANDARD DETAIL

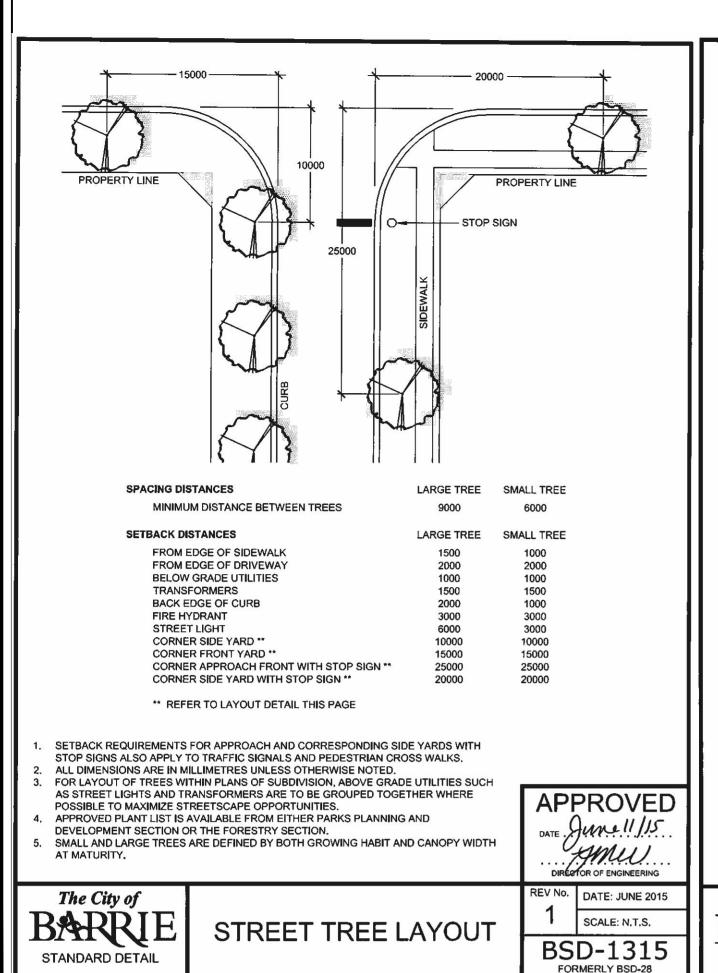
BSD-1310

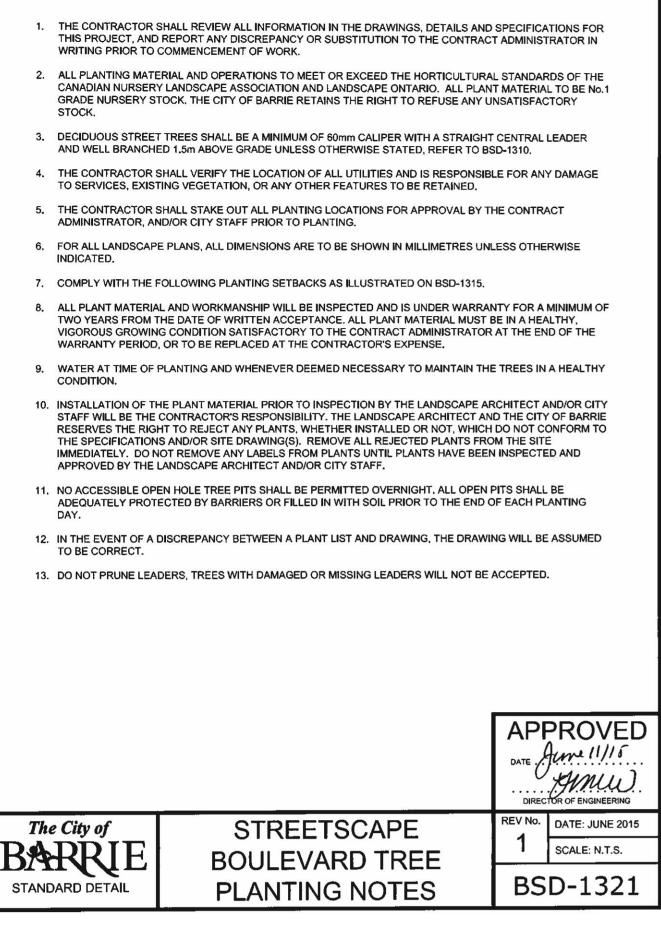
FORMERLY BSD-29

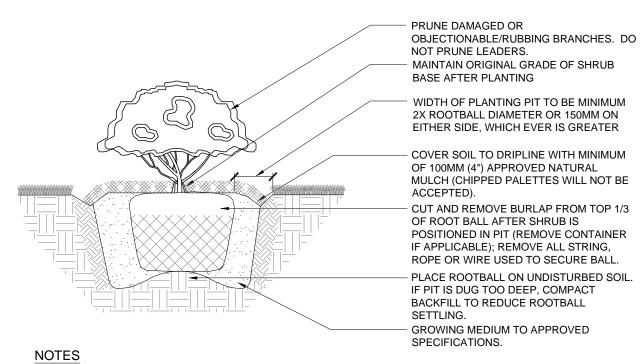
BARRIE











CONIFEROUS TREE

PLANTING DETAIL

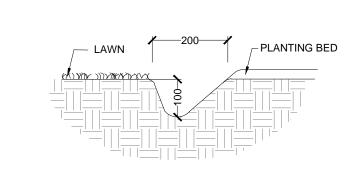
SCALE: N.T.S.

FORMERLY BSD-30

1. GROWING MEDIUM MIXTURE: 4 PARTS TOPSOIL, 1 PART COMPOST, 1 PART SHREDDED PEAT & APPLICATION OF HIGH PHOSPHOROUS FERTILIZER (0-20-0) 2. PLANTING BED SHALL BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING & PRIOR TO 3. FOR POTTED SHRUBS, SATURATE CONTAINER/ ROOTS/SOIL PRIOR TO REMOVAL OF CONTAINER BEFORE PLANTING. 4. SHRUBS ARE TO BE SPACED AS DIRECTED.

ALL DIMENSIONS ARE IN MILLIMETERS.

B&B/CONTAINER STOCK SHRUB PLANTING



TYPICAL PLANTING BED EDGE

DETAILS

10-24 GROVE STREET, BARRIE, ON FILE: D11-021-2021

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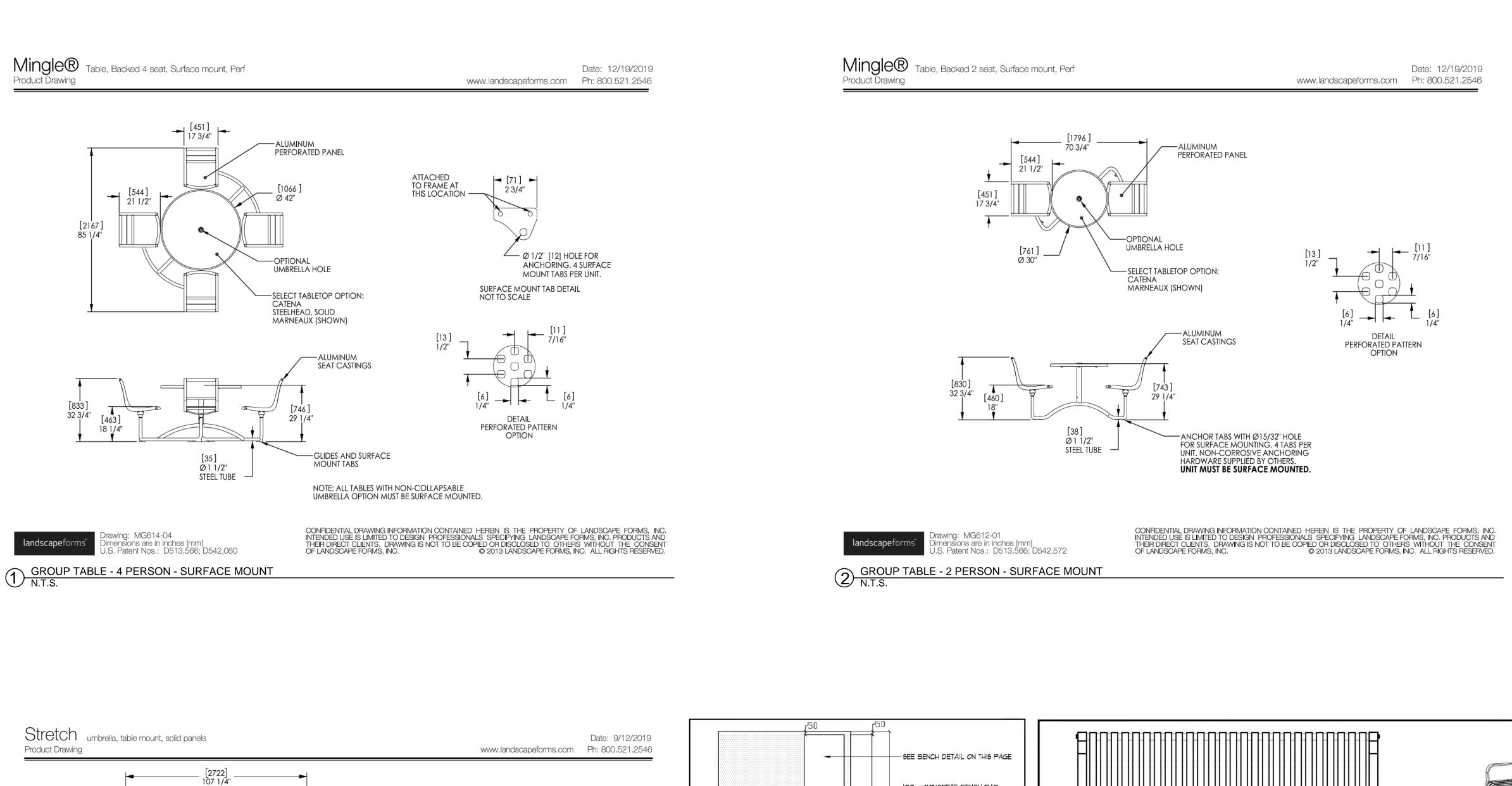


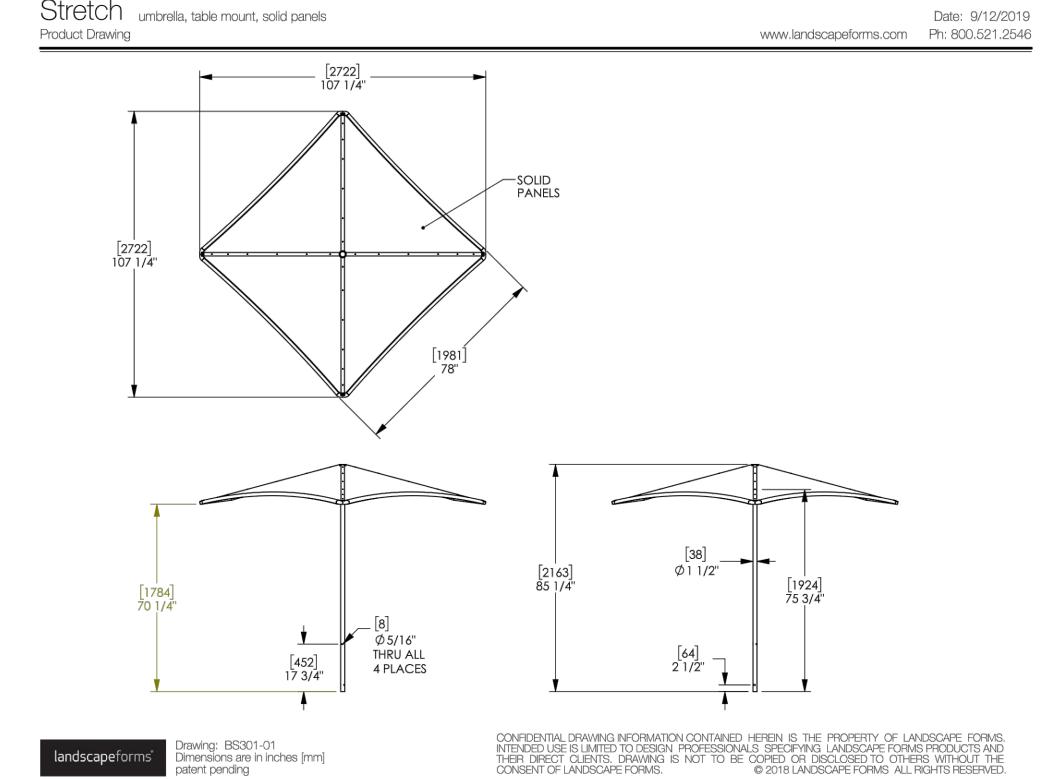
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DATE	REVISIONS	BY



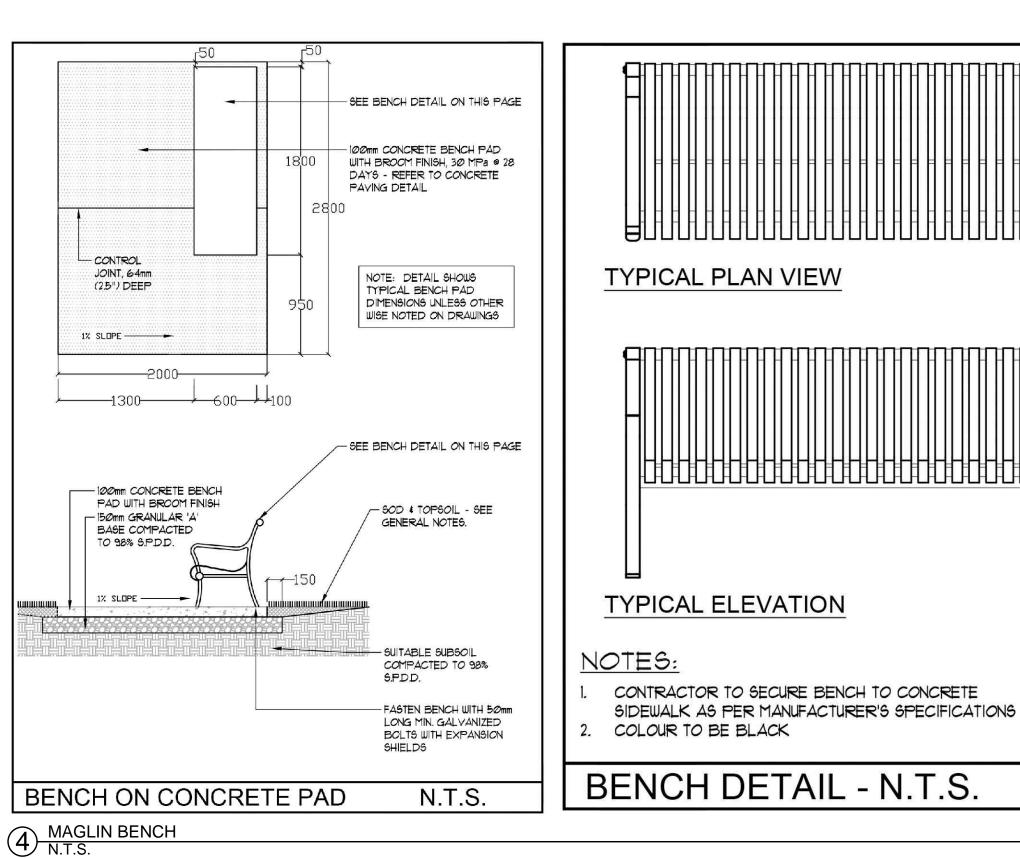
Scale: As Noted

Project No.: 22058





GROUP TABLE UMBRELLAS - TABLE MOUNT N.T.S.



MLB 510 BENCH 'MAGLIN SITE FURNITURE INC.' 1-800-716-5506 OR APPROVED ALTERNATE **MAGLIN**



10-24 GROVE STREET, BARRIE, ON FILE: D11-021-2021

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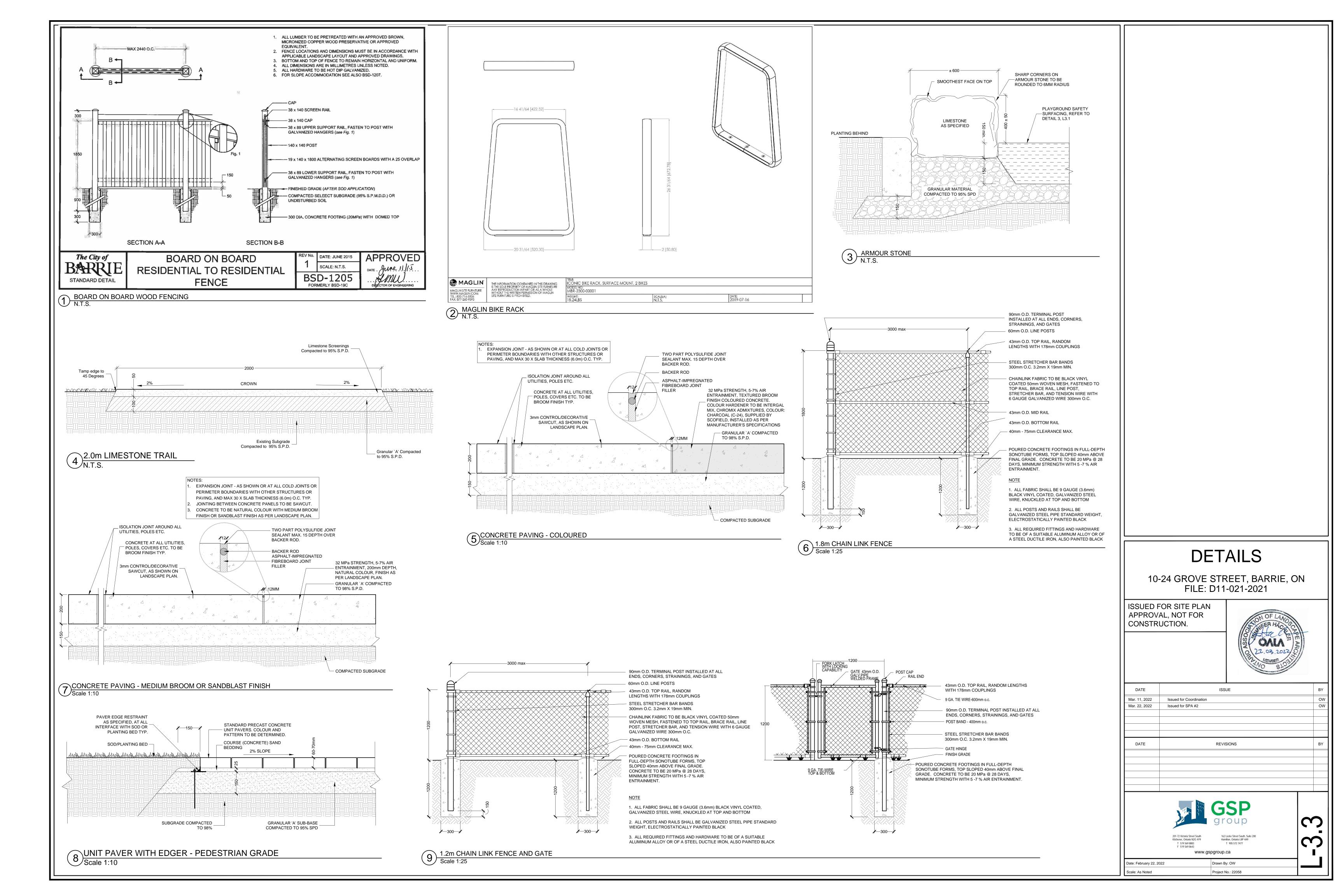


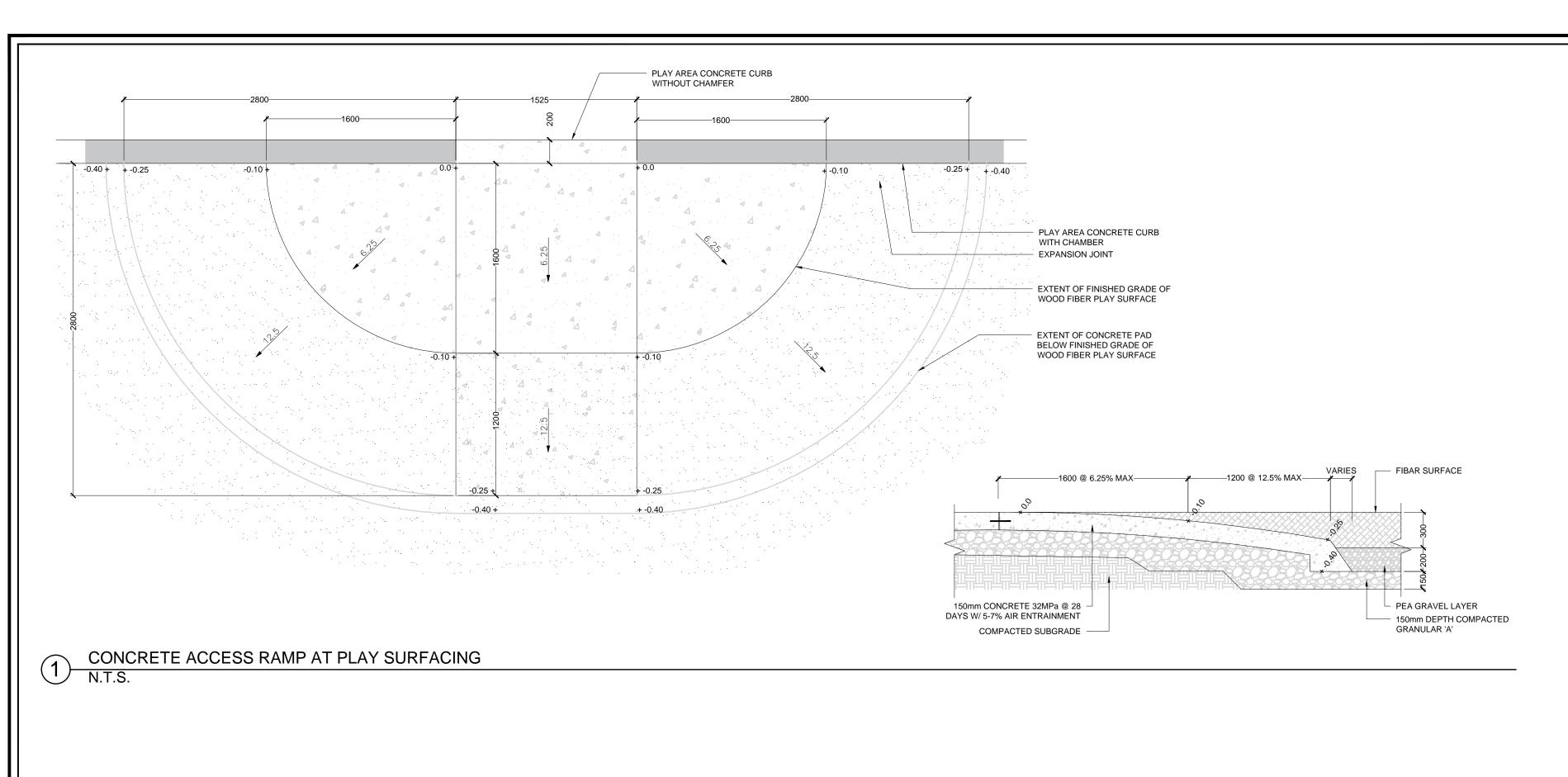
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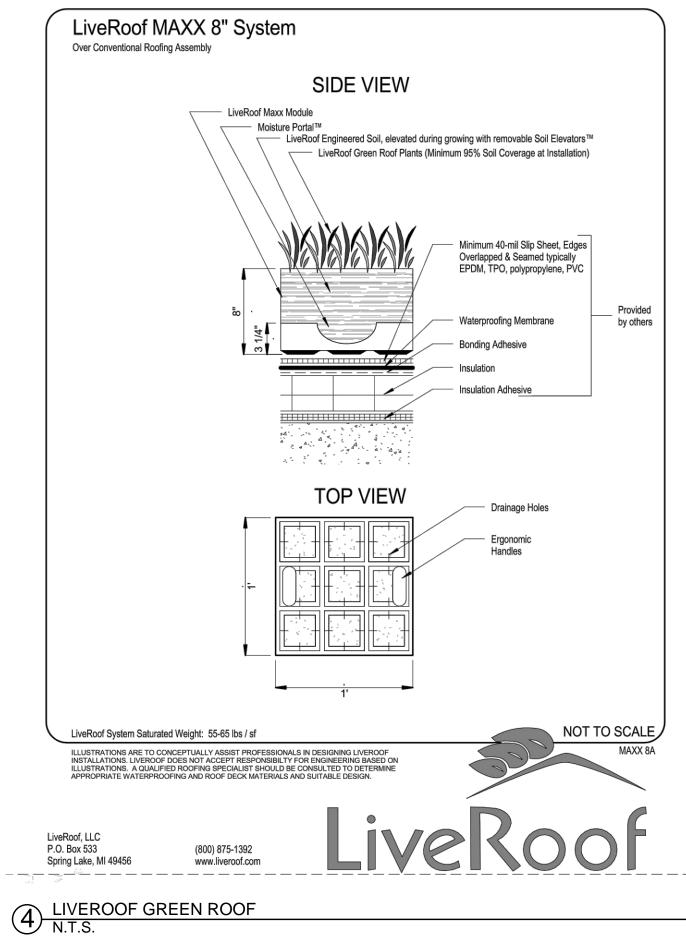


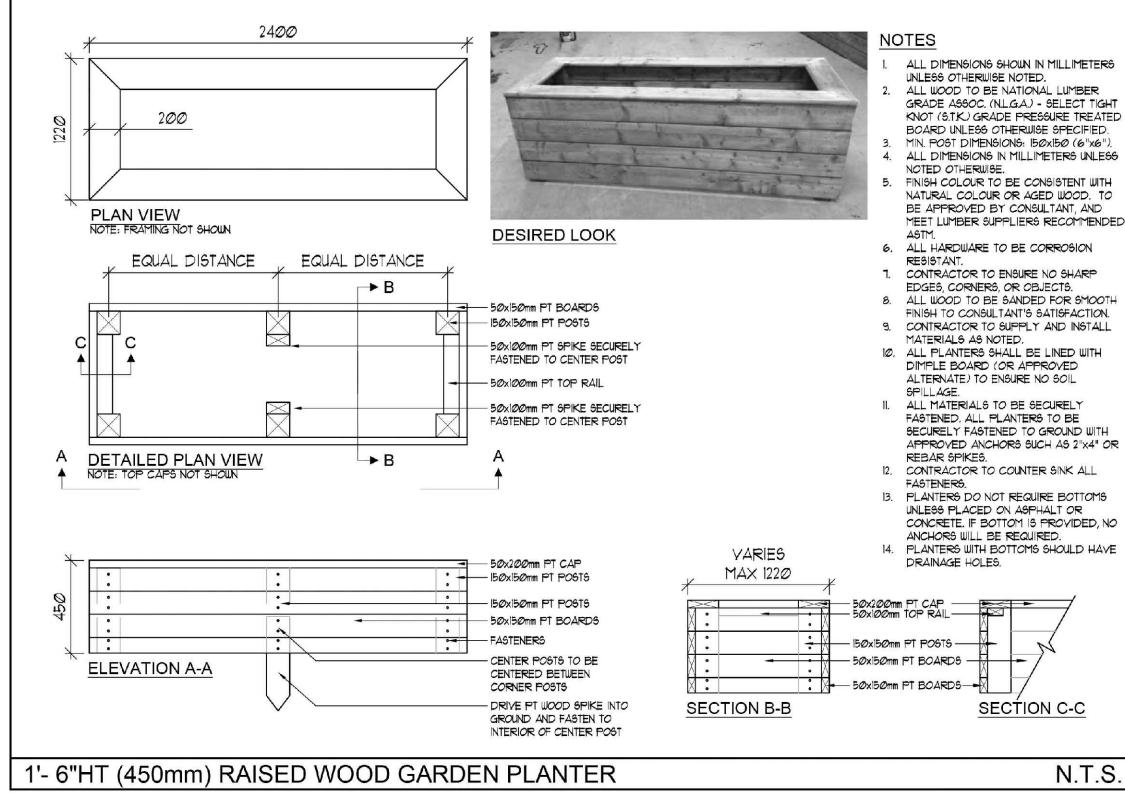
Drawn By: OW

Date: February 22, 2022 Project No.: 22058

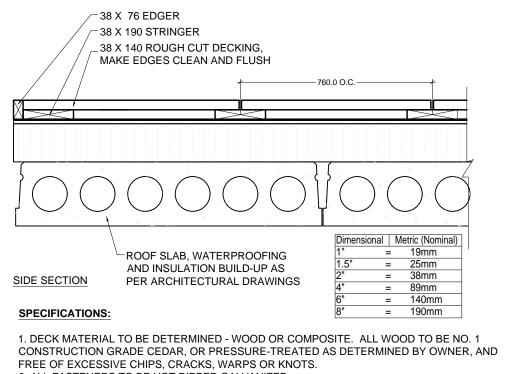








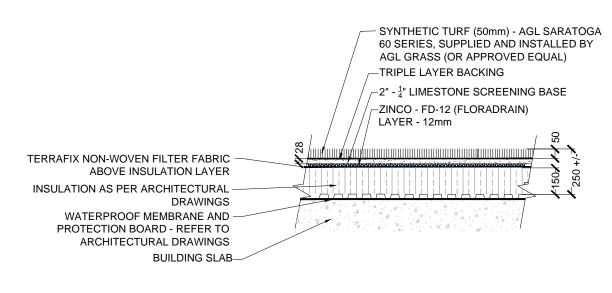
8 RAISED COMMUNITY GARDEN PLANTERS N.T.S.



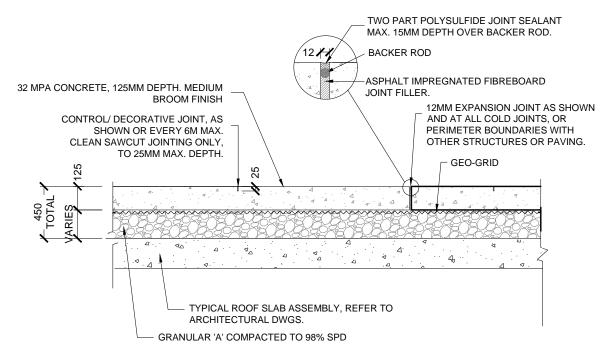
2. ALL FASTENERS TO BE HOT DIPPED GALVANIZED 3. ALL CUTS TO PRESSURE-TREATED WOOD MUST BE TREATED WITH TWO LIBERAL BRUSH

COATS OF COPPER-BASED PRESERVATIVE. PRESSURE-TREATED FENCING WITHOUT SUCH TREATMENT WILL NOT BE ACCEPTED. 4. STAIN AS SPECIFIED

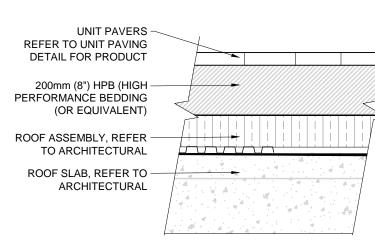
DECKING ON ROOF DECK



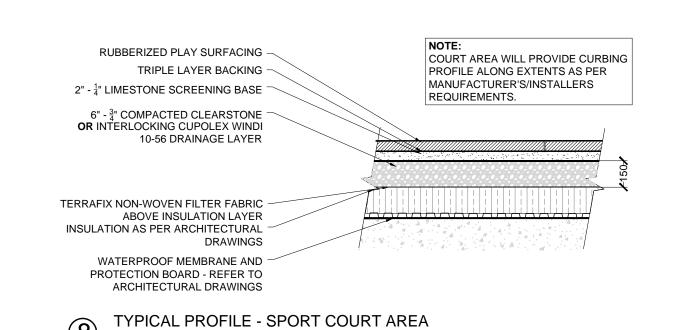
TYPICAL PROFILE - SYNTHETIC LAWN



P.I.P. BROOM FINISH CONCRETE PAVING ON ROOF SLAB



UNIT PAVING ON ROOF SLAB



DETAILS

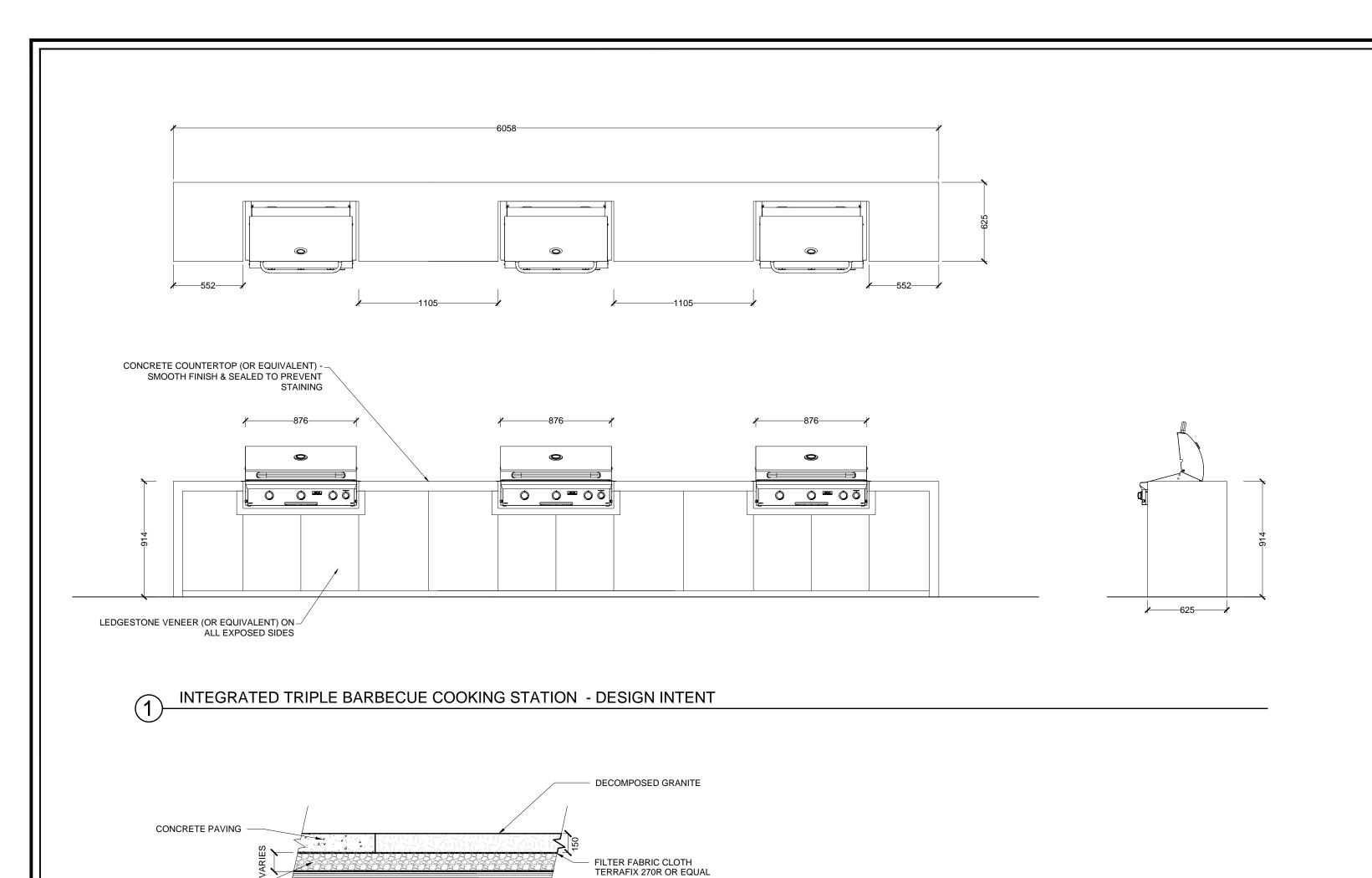
10-24 GROVE STREET, BARRIE, ON FILE: D11-021-2021

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Pergola, 10' X 14' X 8' H ST10-A13H-10X14-8 - Pergola

150mm GRANULAR A

COMPACTED TO 98%SPD

Our 'Pergola' is the ideal solution for any shade requirement. Flexible and versatile, the allaluminum 4" x 4" post and cross beam construction has been professionally engineered to allow for an infinite number of configurations. Shown here with 1" x 3" aluminum purlins, a variety of inset roof slat sizes and materials are available to choose from. The Pergola incorporates our proprietary Konnectr System to ensure that each design is as fluid as possible, while still meeting the requisite load and wind analysis. The Hauser Konnectr System, consisting of custom engineered Konnectr Blocks and stainless steel countersunk hardware, ensures that each beam and column connection is seamless, strong and virtually undetectable. Built-in surface mount plates with concealed covers provide the finishing element to secure the connection. The core frame has been designed to accept a variety of lighting, charging and heat options. Create your own custom size and shape.

DECOMPOSED GRANITE ON ROOF DECK



TYPICAL ROOF SLAB

ASSEMBLY, REFER TO ARCHITECTURAL DWGS.



Height: 96" (243.8 cm)

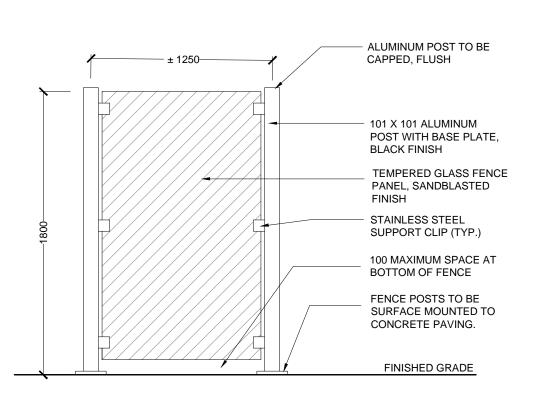


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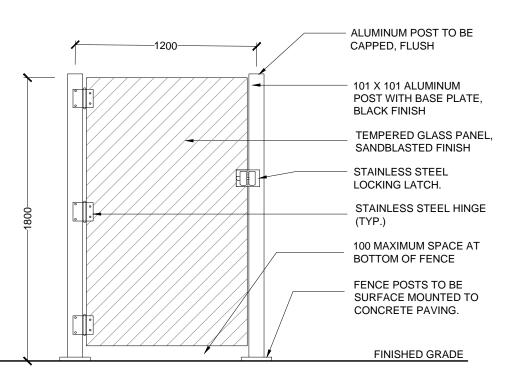
sales@hausersite.com | 1-800-268-7328 | hausersite.com





1. FENCING MATERIALS TO BE FURNISHED BY PERMACORP (permacorp.com) OR APPROVED EQUAL. 2. REFER TO MANUFACTUER'S SPECIFICATIONS AND DETAILS FOR FENCING INSTALLATION. 3. ALL FASTENERS TO BE HOT DIPPED GALVANIZED. 4. FENCING TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. 5. SHOP DRAWINGS TO BE PROVIDED PRIOR TO CONSTRUCTION.

6 SANDBLASTED GLASS PRIVACY FENCE Scale 1:25

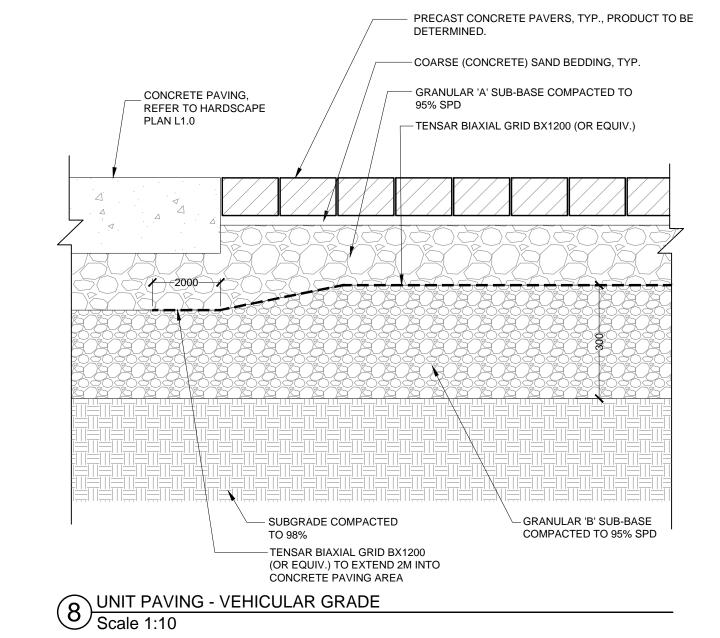


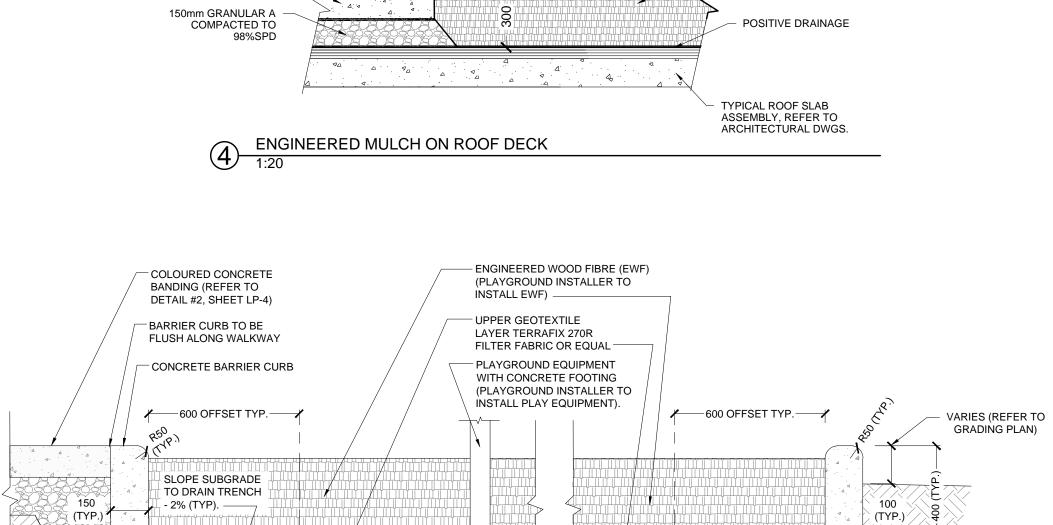
PLANTING AREA ADJACENT EDGE.

GRANULAR `A'

COMPACTED TO 98% S.P.D. -COMPACTED SUBGRADE -

1. GATE MATERIALS TO BE FURNISHED BY PERMACORP (permacorp.com) OR APPROVED EQUAL. 2. REFER TO MANUFACTUER'S SPECIFICATIONS AND DETAILS FOR GATE INSTALLATION. 3. ALL FASTENERS TO BE HOT DIPPED GALVANIZED. 4. FENCING TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. 5. SHOP DRAWINGS TO BE PROVIDED PRIOR TO CONSTRUCTION.





APPROVED ENGINEERED WOOD SURFACING PRODUCTS:
1) FIBAR SYSTEM 100

ENGINEERED WOOD MULCH

- REFER TO CIVIL DRAWINGS FOR

PLAY AREA DRAINAGE DETAILS

FROM DISTURBING PLAY AREA DRAINAGE.

NOTE: WHERE PLAY AREA INTERFACES WITH SOD, A 600mm ----DEEP ROOT BARRIER IS TO BE INSTALLED BETWEEN THE

PLAY AREA AND SODDED AREA TO PREVENT TREE ROOTS

2% SLOPE

2) WOOD CARPET 3) FIBRE TOP

CONCRETE PAVING

6. ENGINEERED WOOD FIBER: PLAYGROUND EQUIPMENT CONTRACTOR TO 1. ALL MEASUREMENTS IN MILLIMETERS UNLESS OTHERWISE STATED. INSTALL PLAY SURFACE MATERIAL CSA APPROVED ENGINEERED WOOD FIBER ALL WORK TO BE CARRIED OUT TO CURRENT APPLICABLE CHILDREN PLAY ON FILTER CLOTH TO A MINIMUM DEPTH OF 350mm, PLACED IN THREE SPACES AND EQUIPMENT NATIONAL STANDARDS OF CANADA. SEPARATE, COMPACTED LIFTS OF EQUAL THICKNESS.

3. CONTRACTOR TO COORDINATE WORK WITH PLAY EQUIPMENT MANUFACTURER CONTRACTOR TO MAINTAIN WOOD FIBER LEVEL UNTIL FINAL ACCEPTANCE. PRIOR TO CONSTRUCTION. CONTRACTOR TO SUBMIT SHOP DRAWING SECTION AFTER PRELIMINARY ACCEPTANCE BY CITY STAFF OF PLAY EQUIPMENT AND OF PLAYGROUND ILLUSTRATING ALL EQUIPMENT/FOOTINGS. SURFACING AND SURFACING, A ONE MONTH MAINTENANCE PERIOD WILL BE INITIATED UPON BORDERING EDGING, INCLUDING PROPOSED GRADES FROM CENTRE OF COMPLETION. THE CONTRACTOR IS RESPONSIBLE TO TOP UP EWF SURFACING TO EXISTING GRADE TO SATISFACTION OF CITY STAFF. PLAYGROUND TO CURB EDGE AT THE GREATEST DISTANCE. 9. REFER TO SPECIFICATIONS FOR ALL MATERIALS AND INSTALLATIONS.

4. ALL PLAY STRUCTURE FOOTINGS TO BE INSTALLED BY PLAYGROUND EQUIPMENT CONTRACTOR. 5. CONCRETE BARRIER CURB: SHALL BE 32 MPa C.I.P CONCRETE CURB WITH BROOM FINISH. CONTINUOUS SAW CUT JOINTS SPACED AT 3650mm O.C. ADJACENT SURFACE TO BE FLUSH WITH TOP OF CURB. BACK OF CURB EDGE

PLAY AREA SURFACE, DRAINAGE AND CURBING

TO BE HAND TOWELED WITH 5mm RADIUS ON BACK OF CURB FOR PATHWAY ADJACENT EDGE AND 50MM RADIUS ON BACK OF CURB FOR TURF AND/OR

DETAILS

10-24 GROVE STREET, BARRIE, ON FILE: D11-021-2021

ISSUED FOR SITE PLAN APPROVAL, NOT FOR CONSTRUCTION.



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Date: February 22, 2022 Drawn By: OW Project No.: 22058