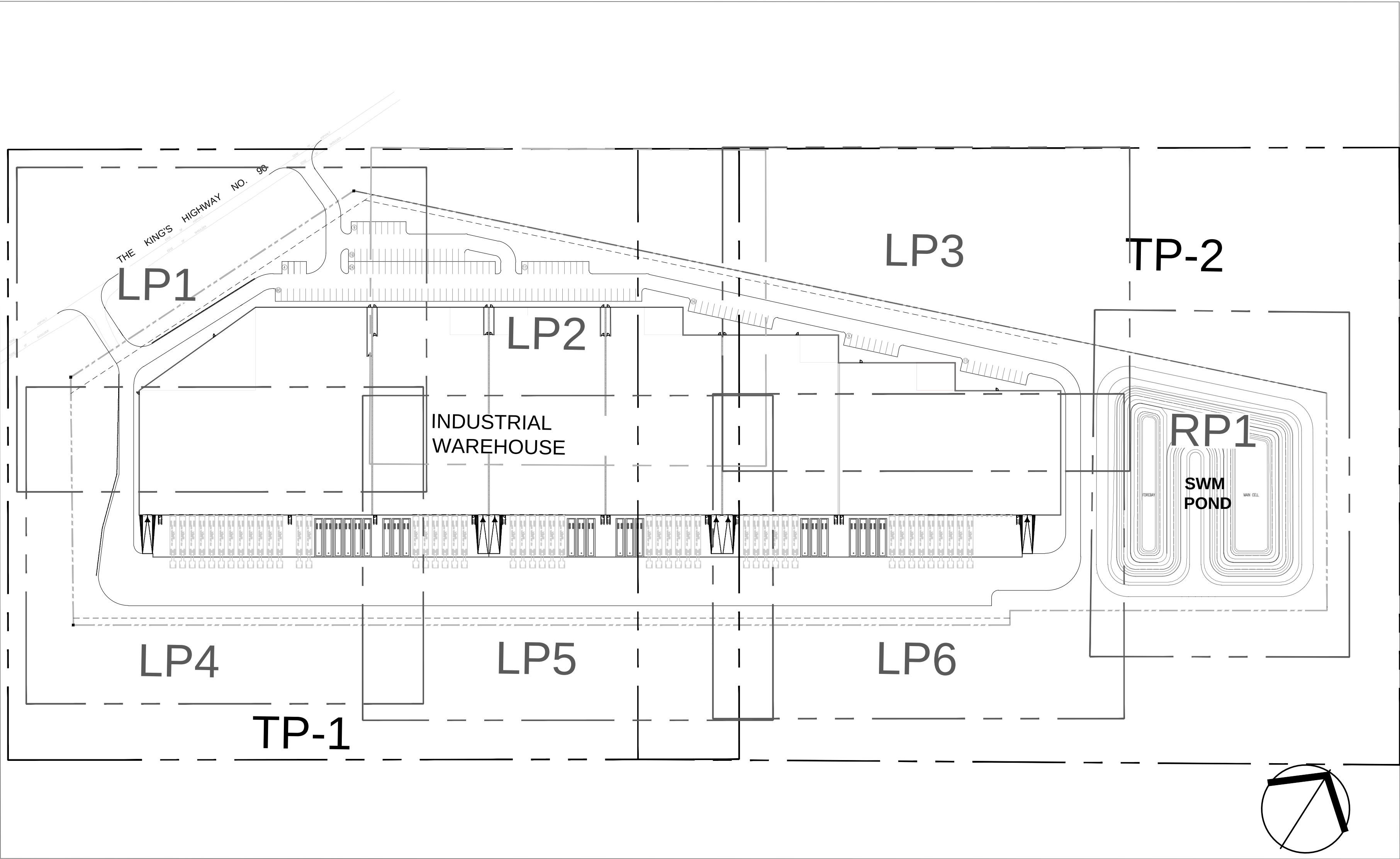


545 DUNLOP STREET
CITY OF BARRIE

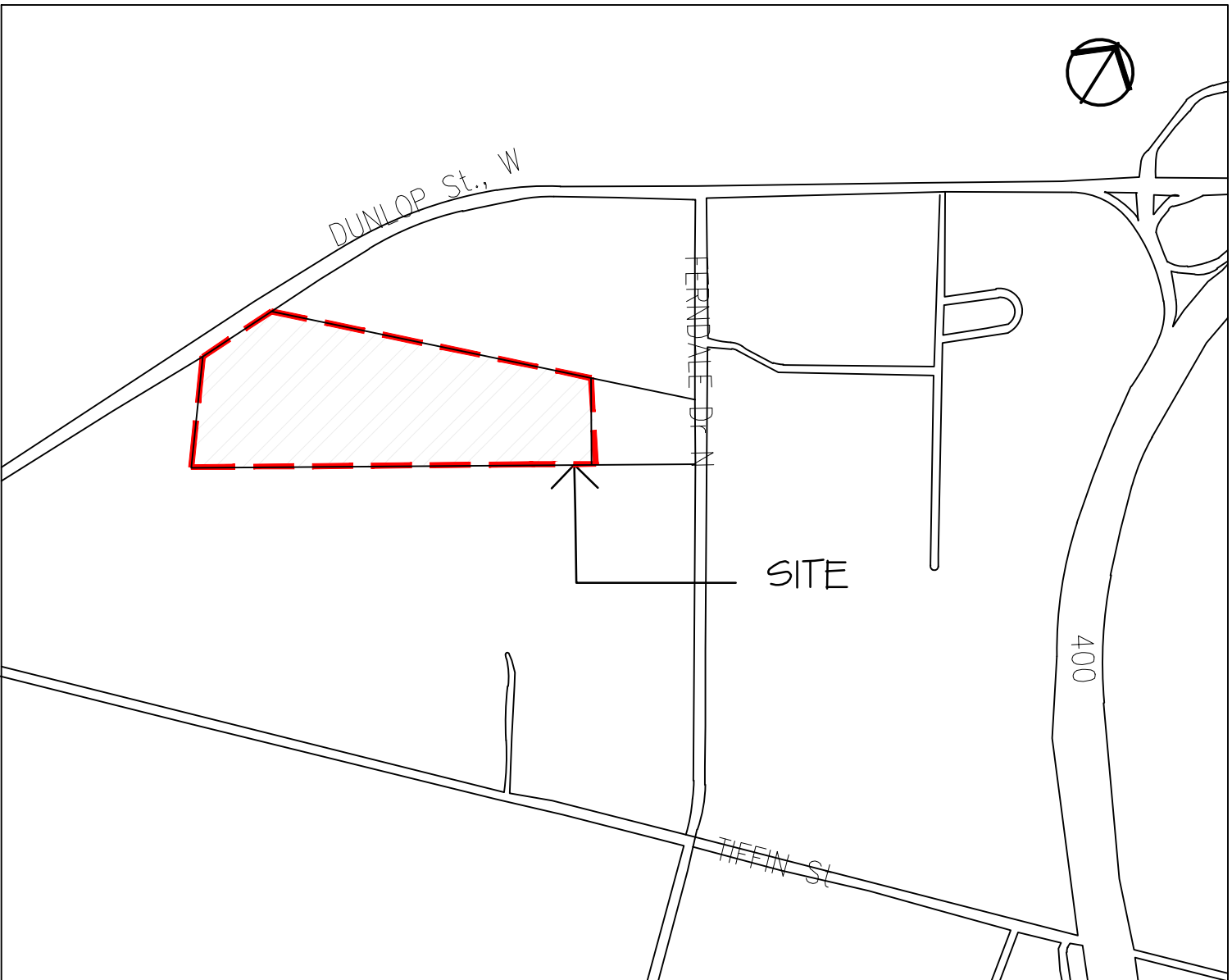
OCT 09, 2022
CGLA Project No. 2855

COSBURN
GIBERSON LANDSCAPE
ARCHITECTS

30 Centurian Drive, Suite 210, Markham, Ontario L3R 8B8
Telephone 905-475-6988 Fax 905-475-5930 info@cgl.ca



REFERENCE PLAN



KEY MAP N.T.S.

LIST OF DRAWINGS

C1	COVER SHEET
TP-1	TREE PRESERVATION PLAN
TP-2	TREE PRESERVATION PLAN
TP-3	TREE PRESERVATION NOTES AND DETAILS
TP-4	TREE PRESERVATION LIST
LP1	LANDSCAPE PLAN
LP2	LANDSCAPE PLAN
LP3	LANDSCAPE PLAN
LP4	LANDSCAPE PLAN
LP5	LANDSCAPE PLAN
LP6	LANDSCAPE PLAN
D1	DETAILS
D2	DETAILS
RP1	SWM P RESTORATION PLANTING PLAN(TO BE SUBMITTED AT THE LATER DATE)
RP2	SWM P SEEDING PLAN (TO BE SUBMITTED AT A LATER DATE)
RP3	SWM P RESTORATION NOTES/PLANT LIST (TO BE SUBMITTED AT THE LATER DATE)
D1	SWM P RESTORATION DETAILS (TO BE SUBMITTED AT THE LATER DATE)

SUBMISSIONS AND REVISIONS

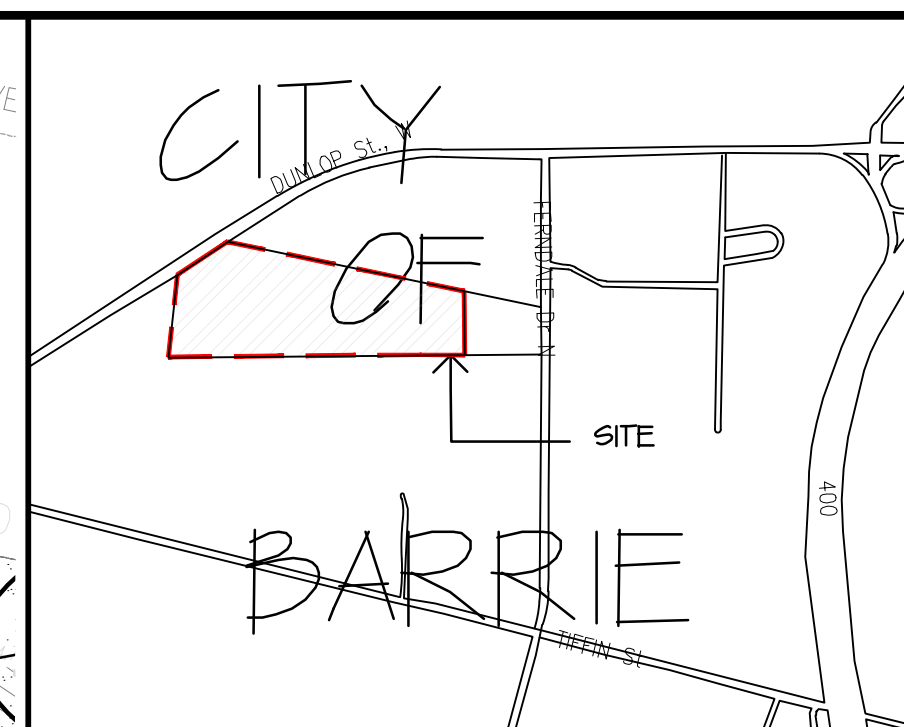
1. Issued for Review	December. 22, 2022
2. Issued for Review	January. 13, 2022

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8. LOCATION OF FENCES TO BE DETERMINED BY THE CITY OF BARRIE PLANNING AND DEVELOPMENT DEPARTMENT.
9. CONCRETE FOOTINGS FOR ALL FENCES ARE TO BE POURED INTO SONO-TUBES FOR THEIR FULL DEPTH OF 1200 MM AND CHAMFERED AT THE TOP.

OFFICE A

MATCHLINE - REFER TO DWG.LP4

MATCHLINE - REFER TO DWG.LP2



KEY MAP  N.T.S.

	PROPERTY LINE
	SEED
	STANDARD DUTY CONCRETE
	ASPHALT
	FIRE HYDRANT REFER TO ENG DWGS
	ACCESSIBLE PARKING SIGN SEE SITE PLAN DRAWING
	PROPOSED SHRUBS
	PERENNIALS AND GRASSES
	PROPOSED DECIDUOUS TREES
	PROPOSED CONIFEROUS TREES
	PLANT NUMBER
	PLANT KEY

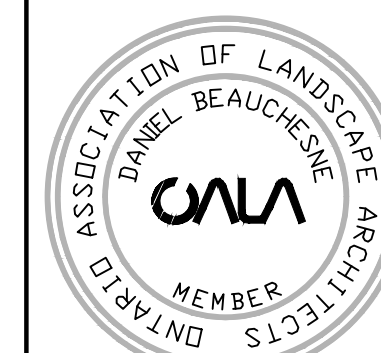
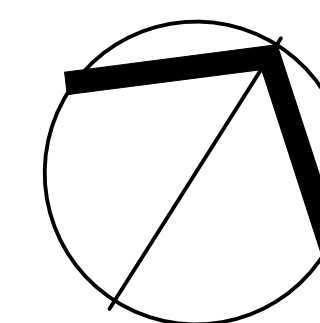
1.BASE INFORMATION OBTAINED FROM POWERS BROWN
ARCHITECTURE DRAWING NO. 225058. AND RUDY MAK SURVEYING
FILE No. 10669

2.	ISSUED FOR CLIENT REVIEW	SS	JAN 9/21
1.	ISSUED FOR CLIENT REVIEW	SS	DEC 22/20
No.		By	Date

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Approved by:..... Date:.....

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GIBERSON** LANDSCAPE
ARCHITECTS

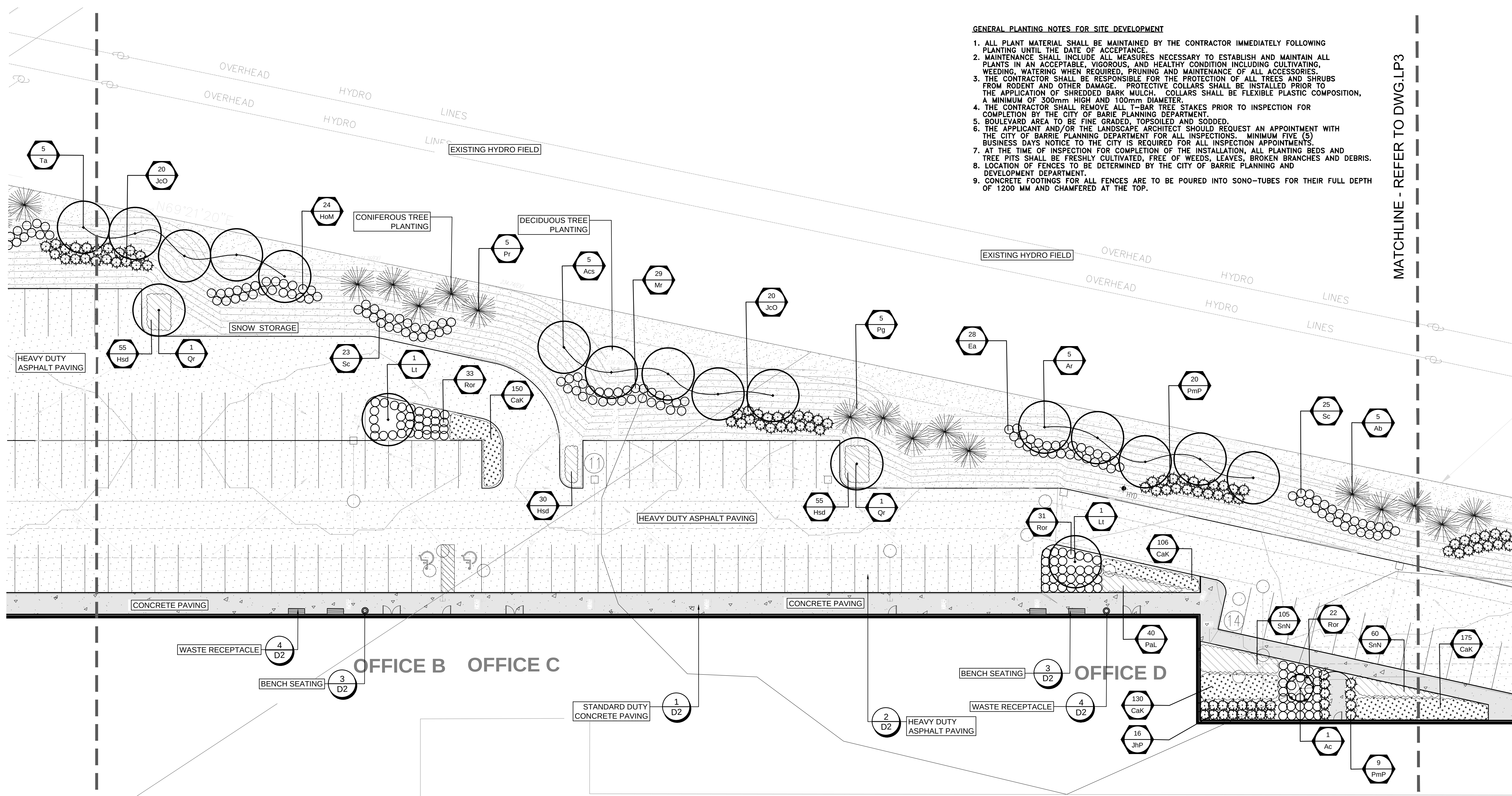
30 Centurian Drive, Suite 210, Markham, Ontario L3R 8B8
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Client 545 DUNLOP STREET
FIRST GULF
BARRIE, ON
CITY OF BARRIE

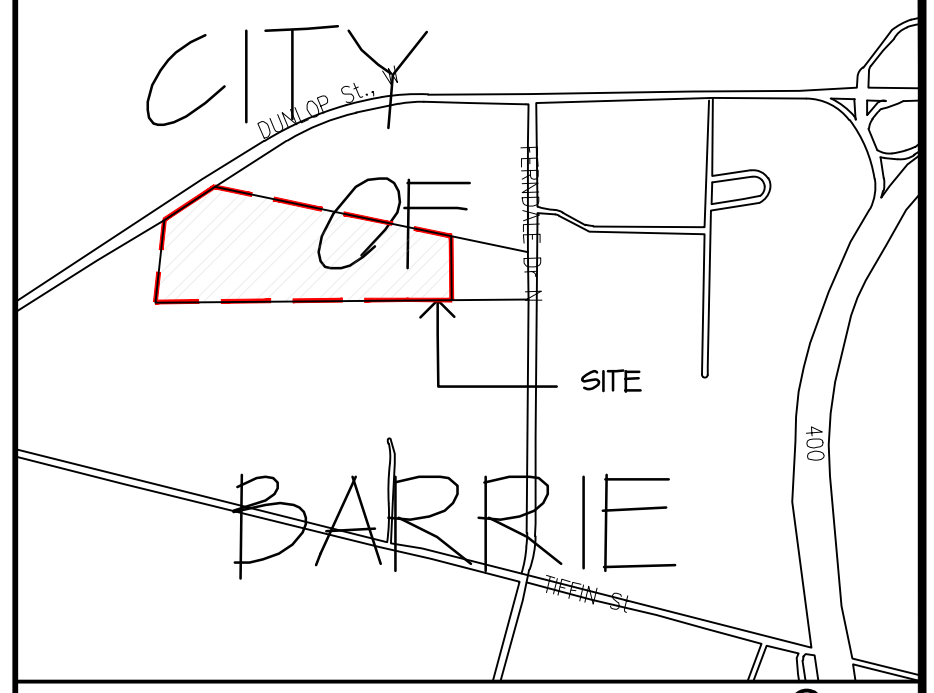
Title

LANDSCAPE PLAN

Drawn SS	Scale 1/250	Drwg File 2855-LP
Checked DB	Date OCT. 09, 2012	Drawing No.
Approved DB	Project No. 2855	LP1



- GENERAL PLANTING NOTES FOR SITE DEVELOPMENT**
1. ALL PLANT MATERIAL SHALL BE MAINTAINED BY THE CONTRACTOR IMMEDIATELY FOLLOWING PLANTING UNTIL THE DATE OF ACCEPTANCE.
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KEY MAP
N.T.S.

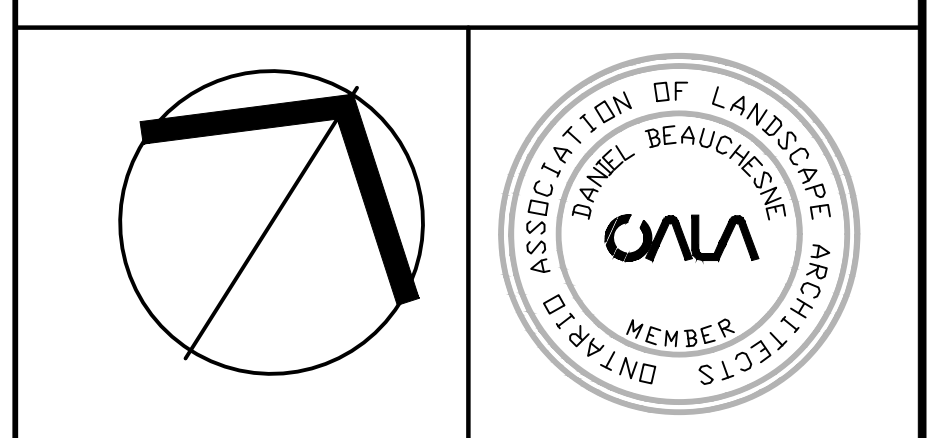
- LEGEND**
- PROPERTY LINE
 - SEED
 - STANDARD DUTY CONCRETE
 - ASPHALT
 - UNIT PAVING
 - FIRE HYDRANT REFER TO ENG DWGS
 - ACCESSIBLE PARKING SIGN SEE SITE PLAN DRAWING
 - PROPOSED SHRUBS
 - PERENNIALS AND GRASSES
 - PROPOSED DECIDUOUS TREES
 - PROPOSED CONIFEROUS TREES
 - PLANT NUMBER
 - PLANT KEY

GENERAL NOTES:
1. BASE INFORMATION OBTAINED FROM POWERS BROWN ARCHITECTURE DRAWING NO. 225058. AND RUDY MAK SURVEYING. FILE NO. 10669

No.	By	Date
2.	SS	JUN/19/12
1.	SS	DEC/12/11

Revisions
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Approved by:..... Date:.....

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COSBURN GIBERSON LANDSCAPE ARCHITECTS
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Client
545 DUNLOP STREET
FIRST GULF
BARRIE, ON
CITY OF BARRIE

Title
LANDSCAPE PLAN

Drawn SS	Scale 1:250	Drwg File 2855-TP
Checked DB	Date OCT. 09, 2012	Drawing No. LP2
Approved DB	Project No. 2855	

MATCHLINE - REFER TO DWG.LP1

MATCHLINE - REFER TO DWG.LP3

MATCHLINE - REFER TO DWG.LP5

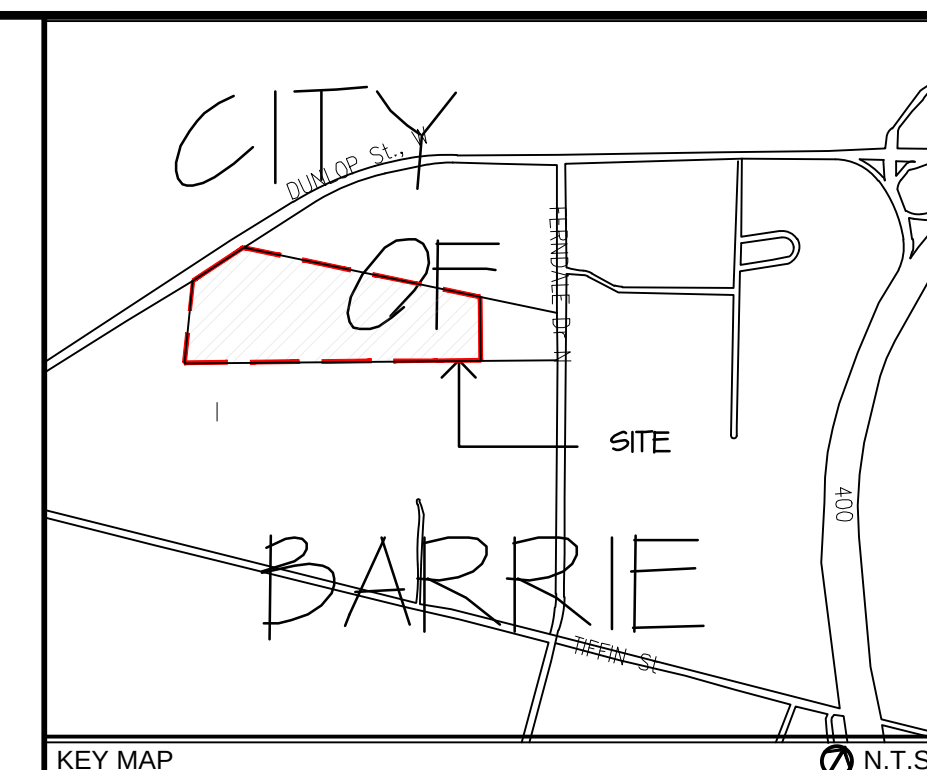
INDUSTRIAL WAREHOUSE = 16,852.1 SQ.M
181,395 SQ.FT

B L O C K 2

P A R T 1, P L A N 5

Site plan for the Industrial Warehouse showing building footprints, parking areas, and landscaping. The plan includes labels for 'OFFICE E', 'OFFICE F', and 'INDUSTRIAL WAREHOUSE'. It also shows 'EXISTING HYDRO FIELD' areas, 'OVERHEAD HYDRO LINES', and 'CONIFEROUS TREE PLANTING' and 'DECIDUOUS TREE PLANTING' zones. Various tree codes (e.g., 20 PmP, 5 Om, 22 HoM) and quantities are indicated. A matchline at the bottom refers to DWG.LP6.

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	PROPERTY LINE
	SEED
	STANDARD DUTY CONCRETE
	ASPHALT
	FIRE HYDRANT REFER TO ENG DWGS
	ACCESSIBLE PARKING
	SIGN SEE SITE PLAN
	DRAWING
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	PLANT NUMBER
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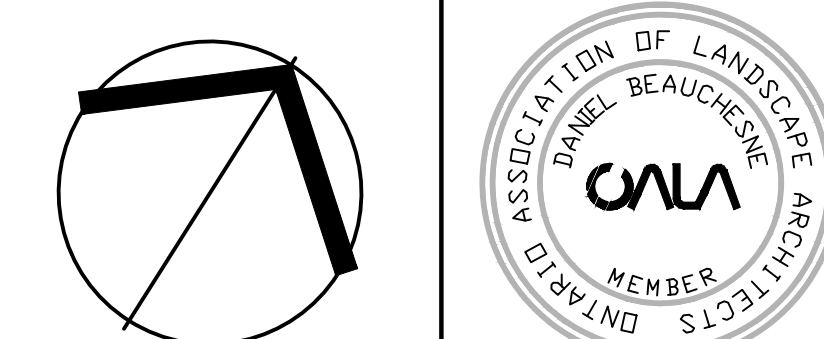
1.BASE INFORMATION OBTAINED FROM POWERS BROWN
ARCHITECTURE DRAWING NO. 225058. AND RUDY MAK SURVEYING
FILE No. 10669

2.	ISSUED FOR CLIENT REVIEW	SS	JAN19/22
1.	ISSUED FOR CLIENT REVIEW	SS	DEC22/21
No.		By	Date

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Approved by:..... Date:.....

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**COSBURN
GIBERSON** LANDSCAPE
ARCHITECTS

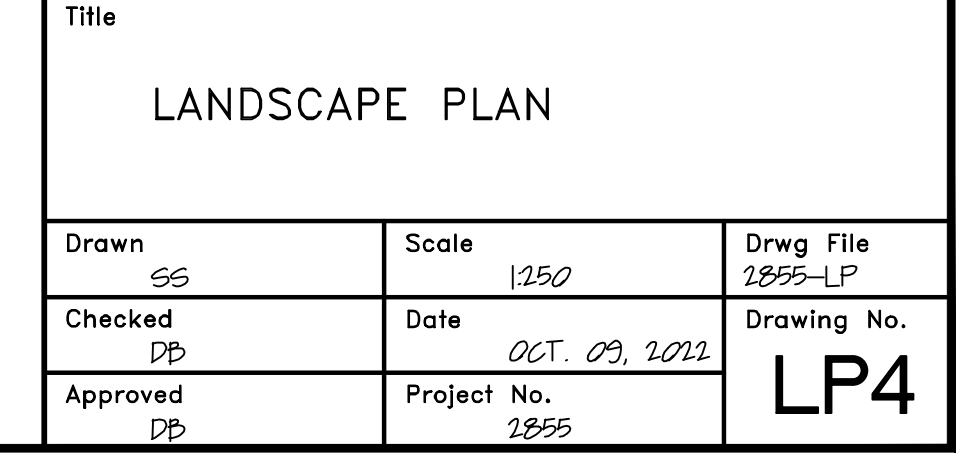
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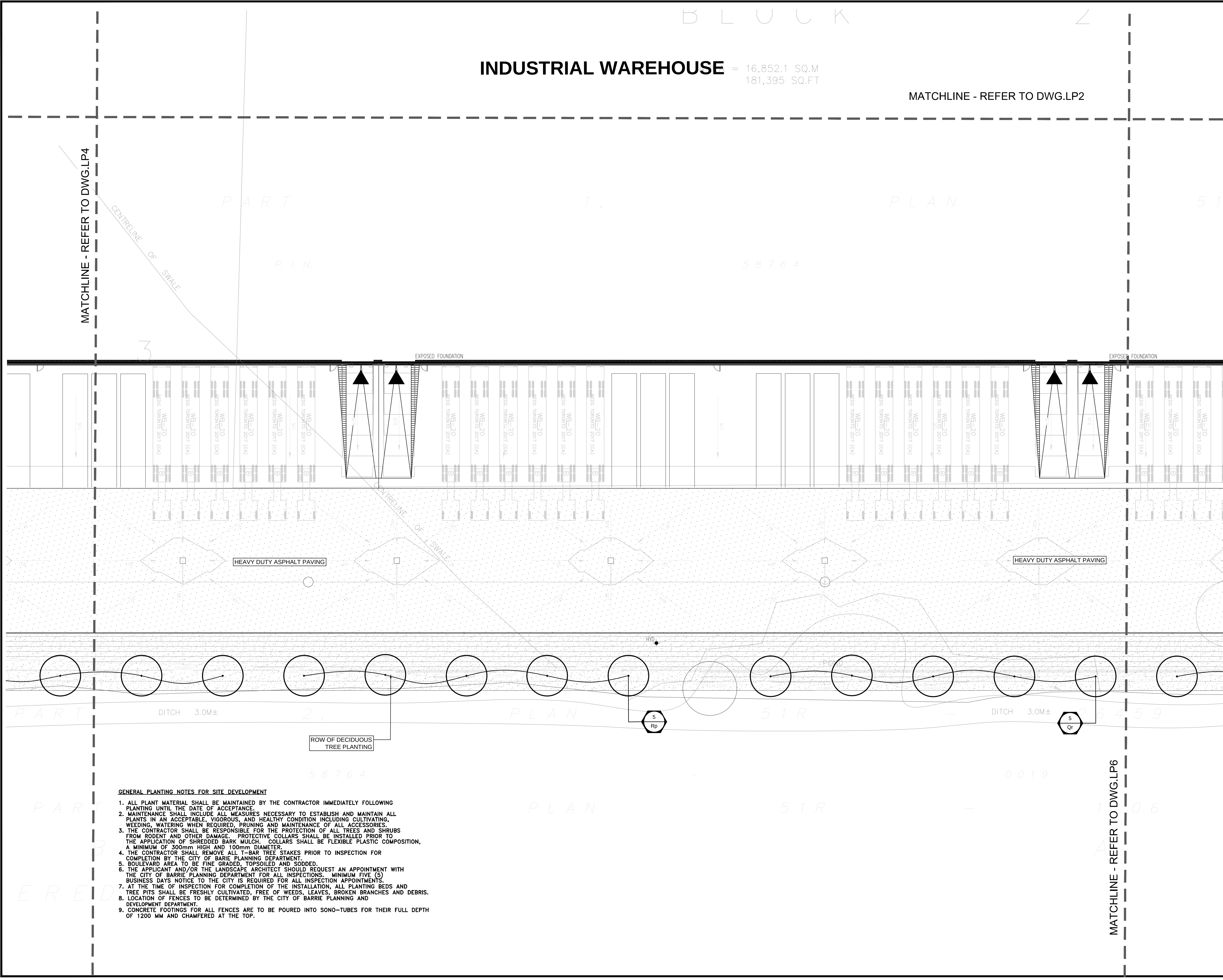
Title

LANDSCAPE PLAN

Drawn SS	Scale 1/250	Drwg File 2855-LP Drawing No. LP3
Checked DB	Date OCT. 09, 2012	
Approved DB	Project No. 12455	



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CITY OF BARRIE

KEY MAP

N.T.S.

LEGEND

- PROPERTY LINE
- SEED
- STANDARD DUTY CONCRETE
- ASPHALT
- UNIT PAVING
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- ACCESSIBLE PARKING SIGN SEE SITE PLAN DRAWING
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- PROPOSED DECIDUOUS TREES
- PROPOSED CONIFEROUS TREES
- PLANT NUMBER
- PLANT KEY

GENERAL NOTES:

1. BASE INFORMATION OBTAINED FROM POWERS BROWN ARCHITECTURE DRAWING NO. 225058. AND RUDY MAK SURVEYING. FILE No. 10669

No.	Revisions	By	Date
2	ISSUED FOR CLIENT REVIEW	SS	JAN/19/22
1	ISSUED FOR CLIENT REVIEW	SS	DEC/22/21

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Approved by:..... Date:.....

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Client
545 DUNLOP STREET
FIRST GULF
BARRIE, ON
CITY OF BARRIE

Title
LANDSCAPE PLAN

Drawn	Scale	Dwg File
SS	1:250	2855-LP
Checked	Date	Drawing No.
DB	OCT. 09, 2022	LP5
Approved	Project No.	
DB	2855	

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INDUSTRIAL WAREHOUSE

MATCHLINE - REFER TO DWG.LP3

PLANT LIST

Deciduous Trees

KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (mm)	SPREAD (cm)	COND.	REMARKS
Ar	11	Acer rubrum	Red Maple	60	2250-4000	-	B&B	Spring Dug Only
As	5	Acer saccharinum	Silver Maple	60	2250-4001	-	B&B	
AcS	20	Acer saccharum	Sugar Maple	60	2250-4002	-	B&B	
Ac	25	Amelanchier canadensis	Downy Serviceberry	60	2250-4003	-	B&B	
BpF	5	Betula pendula 'Fastigiata'	Pyramidal Paper Birch	60	2250-4004	-	B&B	Spring Dug Only
Lt	9	Liriodendron tulipifera	Tulip Tree	60	2250-4005	-	B&B	
Qm	12	Quercus macrocarpa	Bur Oak	60	2250-4007	-	B&B	
Qr	16	Quercus rubra	Red Oak	60	2250-4008	-	B&B	
Rp	22	Robinia pseudoacacia	Black Locust	60	2250-4009	-	B&B	
Ta	10	Tilia americana	Basswood	60	2250-4010	-	B&B	

PLANT LIST

Coniferous Trees

KEY	TOTAL	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	COND.	REMARKS
Ab	20	Abies balsamea	Balsam Fir	1800		B&B	
Pg	10	Picea glauca	White Spruce	1800		B&B	
Pr	10	Picea rubens	Red Spruce	1800		B&B	

PLANT LIST

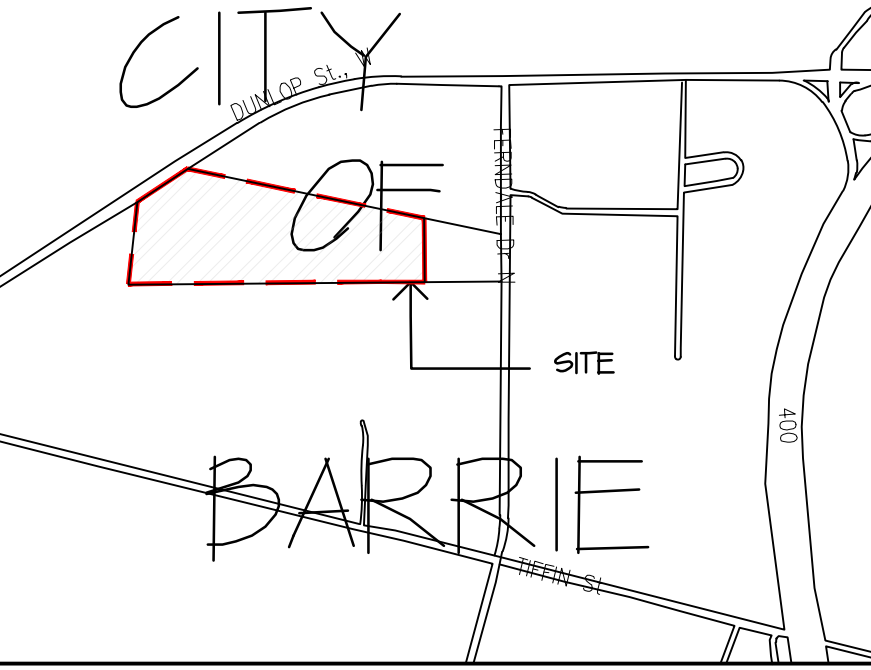
Shrubs

KEY	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	COND.	REMARKS
Ea	56	Euonymus alatus	Red Mulberry	600		-	Potted	-
HoM	126	Hosta undulata 'Media-Var'	Variegated Hosta	600		-	Potted	-
HpL	123	Hydrangea paniculata 'Little Lime'	Little Lime Hydrangea	600		-	Potted	-
Mr	67	Morus rubra	Squashberry	600		-	Potted	-
JcD	30	Juniperus chinensis 'Daub's Frosted'	Daub's Frosted Juniper		600	-	Potted	-
JcO	110	Juniperus chinensis 'Ontario Green'	Ontario Green Juniper		1000	-	Potted	-
JhP	50	Juniperus horizontalis 'Plumosa Compacta'	Compact Andorra Juniper		600	-	Potted	-
PmP	75	Pinus mugo 'Pumilio'	Dwarf Mountain Pine		800	-	Potted	-
Ror	160	Rosa Rugosa	Rugosa Rose	600		-	Potted	-
SjG	28	Spiraea Japonica 'Goldenflame'	Golden Flame Spirea	600		-	Potted	-
Sc	78	Sambucus canadensis	Common Elderberry	600		-	Potted	-

PLANT LIST

PERENNIALS AND GRASSES

KEY	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	COND.	REMARKS
CaK	932	Calamagrostis x Acutiflora 'Karl Foester'	Karl Foester Feather Reed Grass	-	-	1 GAL Pot	-
Hsd	707	Hemerocallis 'Stella Doro'	Stella Doro Daylily	-	-	2 GAL Pot	-
PaL	463	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	-	-	1 GAL Pot	-
SnC	165	Salvia Nemorosa 'New Dimension Blue'	Perennial Sage	-	-	9cm Pot	-



KEY MAP

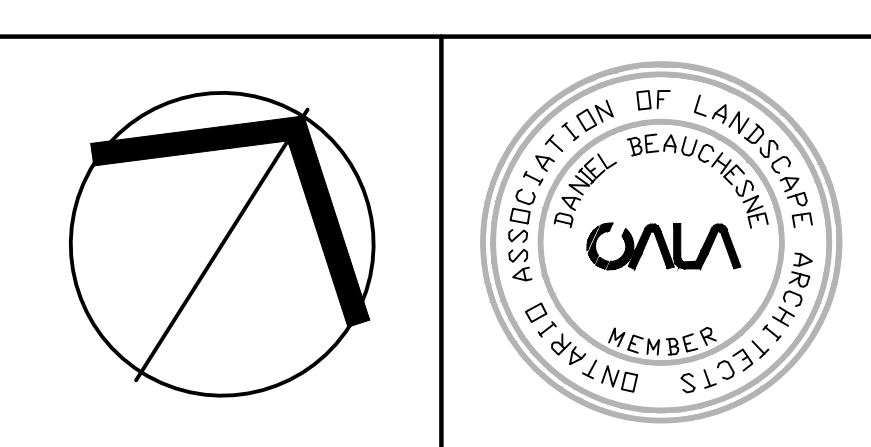
LEGEND	
	PROPERTY LINE
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	ASPHALT
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	PLANT NUMBER
	PLANT KEY

GENERAL NOTES:
1. BASE INFORMATION OBTAINED FROM POWERS BROWN ARCHITECTURE DRAWING NO. 225058. AND RUDY MAK SURVEYING. FILE NO. 10669

No.	Revisions	By	Date
2	ISSUED FOR CLIENT REVIEW	SS	JAN/12
1	ISSUED FOR CLIENT REVIEW	SS	DEC/11/11

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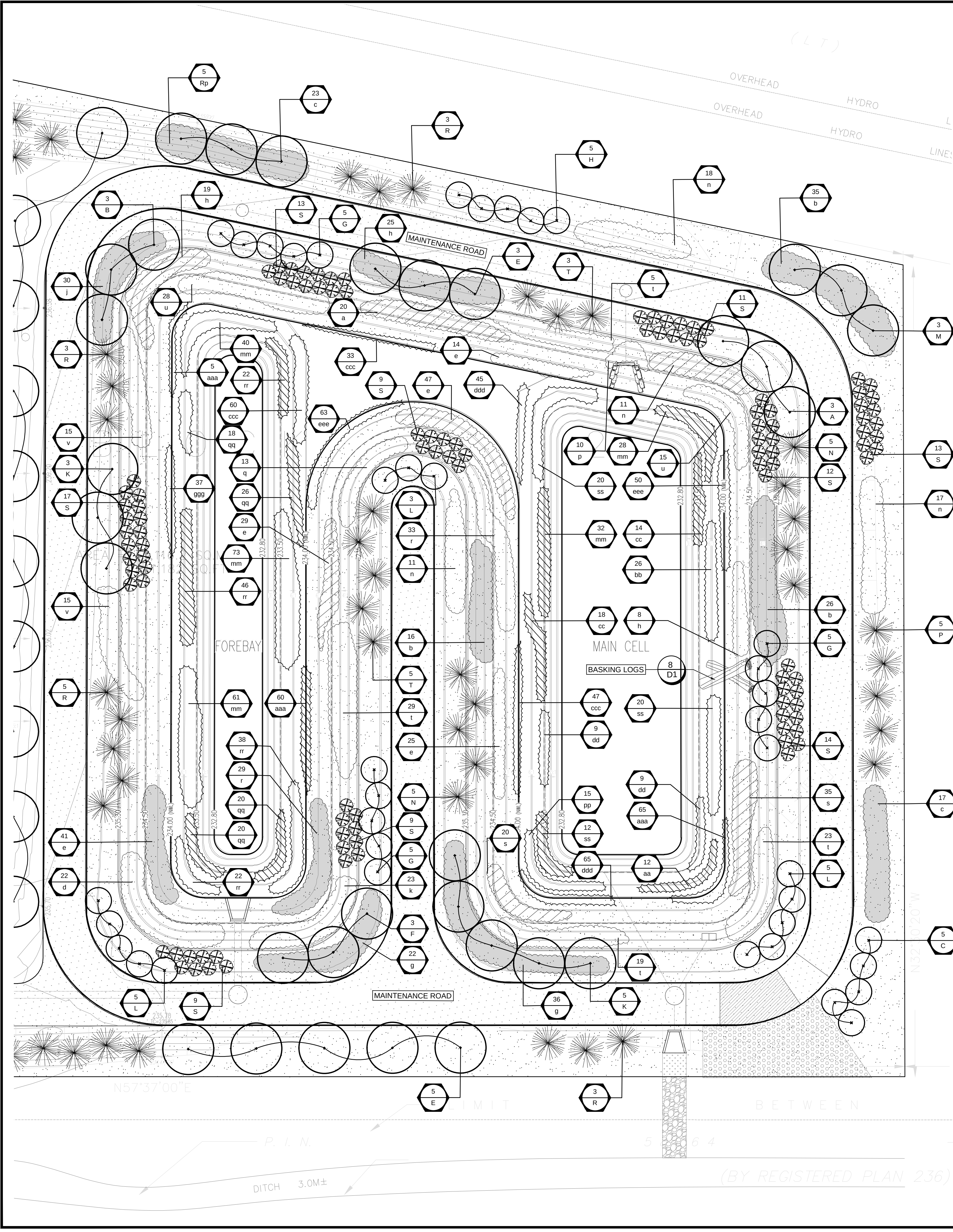
Title
LANDSCAPE PLAN

Drawn SS	Scale 1:250	Drwg File 2855-LP
Checked DB	Date OCT. 09, 2012	Drawing No. LP6
Approved DB	Project No. 2855	

MATCHLINE - REFER TO DWG.LP5

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- ALL PLANT MATERIAL SHALL BE MAINTAINED BY THE CONTRACTOR IMMEDIATELY FOLLOWING PLANTING UNTIL THE DATE OF ACCEPTANCE.
- MAINTENANCE SHALL INCLUDE ALL MEASURES NECESSARY TO ESTABLISH AND MAINTAIN ALL PLANTS IN AN ACCEPTABLE, VIGOROUS, AND HEALTHY CONDITION INCLUDING CULTIVATING, WEEDING, WATERING WHEN REQUIRED, PRUNING AND MAINTENANCE OF ALL ACCESSORIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FROM RODENT AND OTHER DAMAGE. PROTECTIVE COLLARS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF SHREDDED BARK MULCH. COLLARS SHALL BE FLEXIBLE PLASTIC COMPOSITION, A MINIMUM OF 300mm HIGH AND 100mm DIAMETER.
- THE CONTRACTOR SHALL REMOVE ALL T-BAR TREE STAKES PRIOR TO INSPECTION FOR COMPLETION BY THE CITY OF BARRIE PLANNING DEPARTMENT.
- BOULEVARD AREA TO BE FINE GRADED, TOPSOILED AND SODDED.
- THE APPLICANT AND/OR THE LANDSCAPE ARCHITECT SHOULD REQUEST AN APPOINTMENT WITH THE CITY OF BARRIE PLANNING DEPARTMENT FOR ALL INSPECTIONS. MINIMUM FIVE (5) BUSINESS DAYS NOTICE TO THE CITY IS REQUIRED FOR ALL INSPECTION APPOINTMENTS.
- AT THE TIME OF INSPECTION FOR COMPLETION OF THE INSTALLATION, ALL PLANTING BEDS AND TREE PITS SHALL BE FRESHLY CULTIVATED, FREE OF WEEDS, LEAVES, BROKEN BRANCHES AND DEBRIS.
- LOCATION OF FENCES TO BE DETERMINED BY THE CITY OF BARRIE PLANNING AND DEVELOPMENT DEPARTMENT.
- CONCRETE FOOTINGS FOR ALL FENCES ARE TO BE POURED INTO SONO-TUBES FOR THEIR FULL DEPTH OF 1200 MM AND CHAMFERED AT THE TOP.



MASTER PLANT LIST

KEY TOTAL	BOTANICAL NAME	COMMON NAME	HEIGHT (mm)	SPREAD (mm)	CALIFER (mm)	COND.	REMARKS
DECIDUOUS TREES							
A 3	ACER RUBRUM	RED MAPLE	3500-4000	60	B&D		SPRING DUG ONLY
C 5	ACER SACCHARINUM	SILVER MAPLE	1000-1500				
E 5	OSTRYA VIRGINIANA	EASTERN HOP-HORNBEAM	1500-2000	50	B&D		SPRING DUG ONLY
F 3	POPULUS BALSAMIFERA	BALSAM POPLAR	3000-3500	20-30	CG		WHIP FORM
G 15	POPULUS TREMULOIDES	TREMULOIDES	1000-1500	20-30	CG		WHIP FORM
H 5	PRUNUS SEROTINA	BLACK CHERRY	1000	20-30	CG		WHIP FORM
K 5	QUERCUS RUBRA	RED OAK	3000-3500	50	B&D		SPRING DUG ONLY
L 13	SALIX LUCIDA	SHINING WILLOW	1800-2100	20-30	B.R.		SUB. S. AMYGDALOIDES, WHIP FORM
M 3	TILIA AMERICANA	BASSWOOD	1500-2000	50	B&D		
TOTAL DECIDUOUS TREES: 65							
CONIFEROUS TREES							
N 10	LARIX LARICINA	EASTERN LARCH/ TAMARACK	1800		WP		
P 5	PICEA GLAUCA	WHITE SPRUCE	1800		WP		
R 14	PINUS STROBUS	EASTERN WHITE PINE	1800		WP		
S 107	THUJA OCCIDENTALIS	EASTERN WHITE CEDAR	1200		BARE ROOT, FIELD GROWN		
T 5	TSUGA CANADENSIS	EASTERN HEMLOCK	1500		WP		
TOTAL CONIFEROUS TREES: 144							
SHRUBS							
a 20	ALNUS INCANA SPP. RANUS	SPECKLED ALDER	800		POTTED		
b 16	AMELANCHIER ARBOREA	JUNE BERRY	600	500	POTTED		
c 40	AMELANCHIER LAEVIS	SMOOTH SERVICE BERRY	600	500	POTTED		
d 22	ARONIA MELANOCARPA	BLACK CHOKEBERRY	600	500	POTTED		
e 156	CEPHALANTHUS OCCIDENTALIS	BUTTBUSH	600		POTTED		
f 58	CORNUS RACEMOSA	GRAY DOGWOOD	600		POTTED		
g 52	CORNUS STOLONIFERA	RED-OSIER DOGWOOD	600		POTTED		
h 30	DIERVILLA LONICERA	BUSH HONEY SUCKLE	600		POTTED		
i 23	ILEX VERTICILLATA	WINTERBERRY	600		POTTED		
j 57	RIBES AMERICANUM	WILD BLACK CURRANT	600		POTTED		
k 10	ROSA PALUSTRIS	SWAMP ROSE	600		POTTED		
l 13	RUBUS OCCIDENTALIS	BLACK RASPBERRY	600		POTTED		
m 42	SALIX DISCOLOR	FUSSY WILLOW	600		POTTED		
n 55	SALIX EXIELA	SANDBAR WILLOW	600		POTTED		
o 25	SALIX LUCIDA	SHINING WILLOW	600		POTTED		
p 43	SALIX PETIOLARIS	SLENDER WILLOW	600		POTTED		
q 30	SAMBUCUS CANADENSIS	COMMON ELDERBERRY	600	500	POTTED		
TOTAL SHRUBS: 715							

TOTAL DECIDUOUS TREES: 65

CONIFEROUS TREES

N 10	LARIX LARICINA	EASTERN LARCH/ TAMARACK	1800		WP		
P 5	PICEA GLAUCA	WHITE SPRUCE	1800		WP		
R 14	PINUS STROBUS	EASTERN WHITE PINE	1800		WP		
S 107	THUJA OCCIDENTALIS	EASTERN WHITE CEDAR	1200		BARE ROOT, FIELD GROWN		
T 5	TSUGA CANADENSIS	EASTERN HEMLOCK	1500		WP		

TOTAL CONIFEROUS TREES: 144

SHRUBS

a 20	ALNUS INCANA SPP. RANUS	SPECKLED ALDER	800		POTTED		
b 16	AMELANCHIER ARBOREA	JUNE BERRY	600	500	POTTED		
c 40	AMELANCHIER LAEVIS	SMOOTH SERVICE BERRY	600	500	POTTED		
d 22	ARONIA MELANOCARPA	BLACK CHOKEBERRY	600	500	POTTED		
e 156	CEPHALANTHUS OCCIDENTALIS	BUTTBUSH	600		POTTED		
f 58	CORNUS RACEMOSA	GRAY DOGWOOD	600		POTTED		
g 52	CORNUS STOLONIFERA	RED-OSIER DOGWOOD	600		POTTED		
h 30	DIERVILLA LONICERA	BUSH HONEY SUCKLE	600		POTTED		
i 23	ILEX VERTICILLATA	WINTERBERRY	600		POTTED		
j 57	RIBES AMERICANUM	WILD BLACK CURRANT	600		POTTED		
k 10	ROSA PALUSTRIS	SWAMP ROSE	600		POTTED		
l 13	RUBUS OCCIDENTALIS	BLACK RASPBERRY	600		POTTED		
m 42	SALIX DISCOLOR	FUSSY WILLOW	600		POTTED		
n 55	SALIX EXIELA	SANDBAR WILLOW	600		POTTED		
o 25	SALIX LUCIDA	SHINING WILLOW	600		POTTED		
p 43	SALIX PETIOLARIS	SLENDER WILLOW	600		POTTED		
q 30	SAMBUCUS CANADENSIS	COMMON ELDERBERRY	600	500	POTTED		

TOTAL SHRUBS: 715

NOTE:

1. BARE ROOT PLANTING STOCK WILL BE SUBSTITUTED WITH POTTED MATERIAL IF THE PLANTING TAKES PLACE OUTSIDE THE BARE ROOT SEASON.
2. CONTRACTOR SHALL CONFIRM THAT ALL QUANTITIES SHOWN ON THE PLANT LIST CONFORM WITH THE PLANS. THE QUANTITIES SHOWN ON THE PLAN SUPERSEDE THE TOTALS OF THE LIST. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.

AQUATIC PLANTS

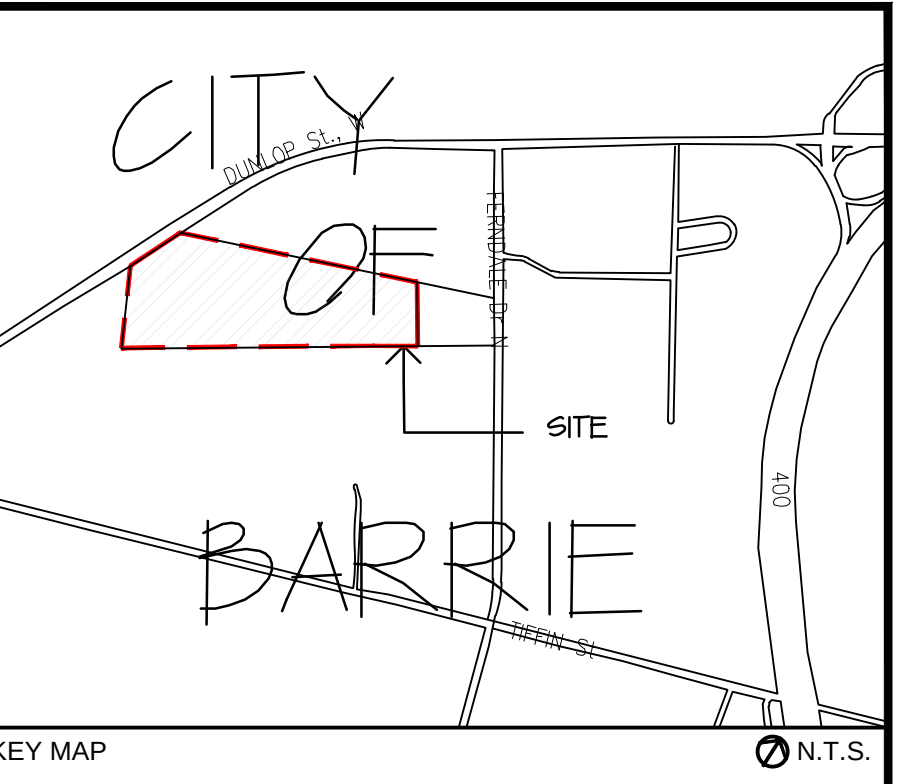
KEY TOTAL	BOTANICAL NAME	COMMON NAME	HEIGHT	ZONE	COND.	ZONE KEY
aa 12	ALISM A PLANTAGO-AQUATICA	COMMON WATER PLANTAIN	100min	AF	PLUG	SUB-SUBMERGENT
bb 26	CAREX DEPPII	DEPP'S SEDGE	100min	AF	PLUG	AF-AQUATIC FRINGE
cc 92	CALLITRICHE PALUSTRIS	MARSH WATER-STARWORT	100min	SUB	PLUG	SH-SHORELINE FRINGE
dd 15	CERATOPHYLLUM DEMERSUM	COONTAIL	100min	SUB	POTTED	
ee 234	SCIRPUS ATROVIRENS	DARK GREEN BULRUSH	150min	AF	PLUG	
ff 15	SPARGANGLUM EURYCARPUM	COMMON BUR REED	150min	AF	PLUG	
gg 24	TYPHA ANGUSTIFOLIA	NARROW-LEAVED CATTAIL	120min	AF	PLUG	
hh 125	TYPHA LATIFOLIA	BROAD-LEAVED CATTAIL	120min	AF	PLUG	
ii 52	VALLISNERIA AMERICANA	WATER-CELERY	100min	SUB	PLUG	
TOTAL AQUATICS: 601						

TOTAL AQUATICS: 601

SHORELINE PLANTS

KEY TOTAL	BOTANICAL NAME	COMMON NAME	HEIGHT	ZONE	COND.
aaa 130	ASCLEPIAS INCARNATA	SWAMP MILKWEED	150min	SH	POTTED PLANT
ccc 140	CALTHA PALUSTRIS	MARSH MARIGOLD	100min	SH	PLUG
ddd 110	CAREX STREPTA	AWL-FRUITED SEDGE	100min	SH	PLUG
eee 115	CAREX VULPINOIDEA	FOX SEDGE	100min	SH	PLUG
ggg 37	EUPATORIUM PERFOLIATUM	BONESET	100min	SH	PLUG
TOTAL AQUATICS: 530					

TOTAL AQUATICS: 530



KEY MAP

234.00	NORMAL WATER LEVEL - 234.00
237.00	EXISTING CONTOUR ELEVATION
232.00	PROPOSED POND CONTOUR ELEVATION
	PROPOSED LIVE STAKING
	PROPOSED SEEDING AREA-REFER TO RP2
	PROPOSED BASKING LOGS
	PROPOSED DECIDUOUS TREES
	PROPOSED CONIFEROUS TREES
	PROPOSED CONTINUALLY MULCHED BEDS OF SHRUBS
	PROPOSED AQUATIC PLANTINGS

GENERAL NOTES:

1. THIS PLAN TO BE USED FOR STORMWATER MANAGEMENT POND REHABILITATION PLANTING ONLY. BASE INFORMATION OBTAINED FROM POWERS BROWN ARCHITECTURE DRAWING NO. 225058, AND RUDY MAK SURVEYING, FILE NO. 10669.
2. ALL EXPOSED AND/OR DISTURBED AREAS SHALL BE SEED BY TERRASEED OR APPROVED EQUAL PNEUMATICALLY BLOWN SYSTEM.
3. REFER TO DRAWINGS RP2 FOR SEEDING, RP3 FOR NOTES AND D1 FOR DETAILS.
4. ALL DIMENSIONS ARE METRIC UNLESS OTHERWISE SPECIFIED. ELEVATIONS ARE REFERENCED TO GEODETIC BENCHMARK.

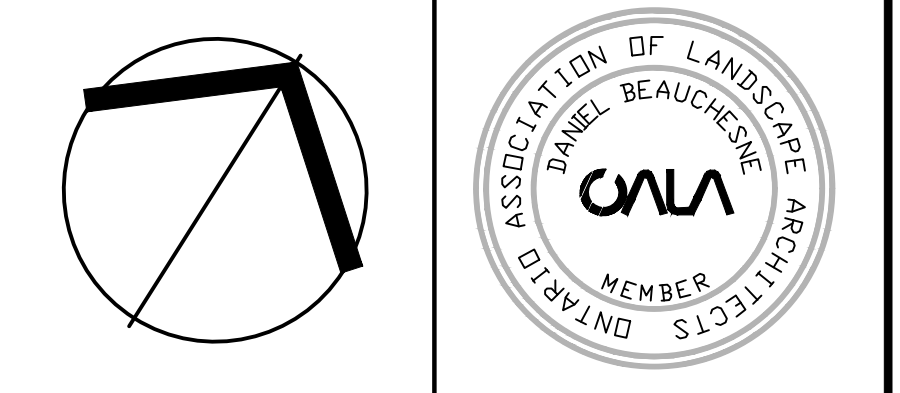
2.	ISSUED FOR CLIENT REVIEW	56	JAN/12
1.	ISSUED FOR CLIENT REVIEW	56	DEC/11

Revisions

This drawing is not to be used for construction unless signed by the Landscape Architect.

Approved by:..... Date:.....

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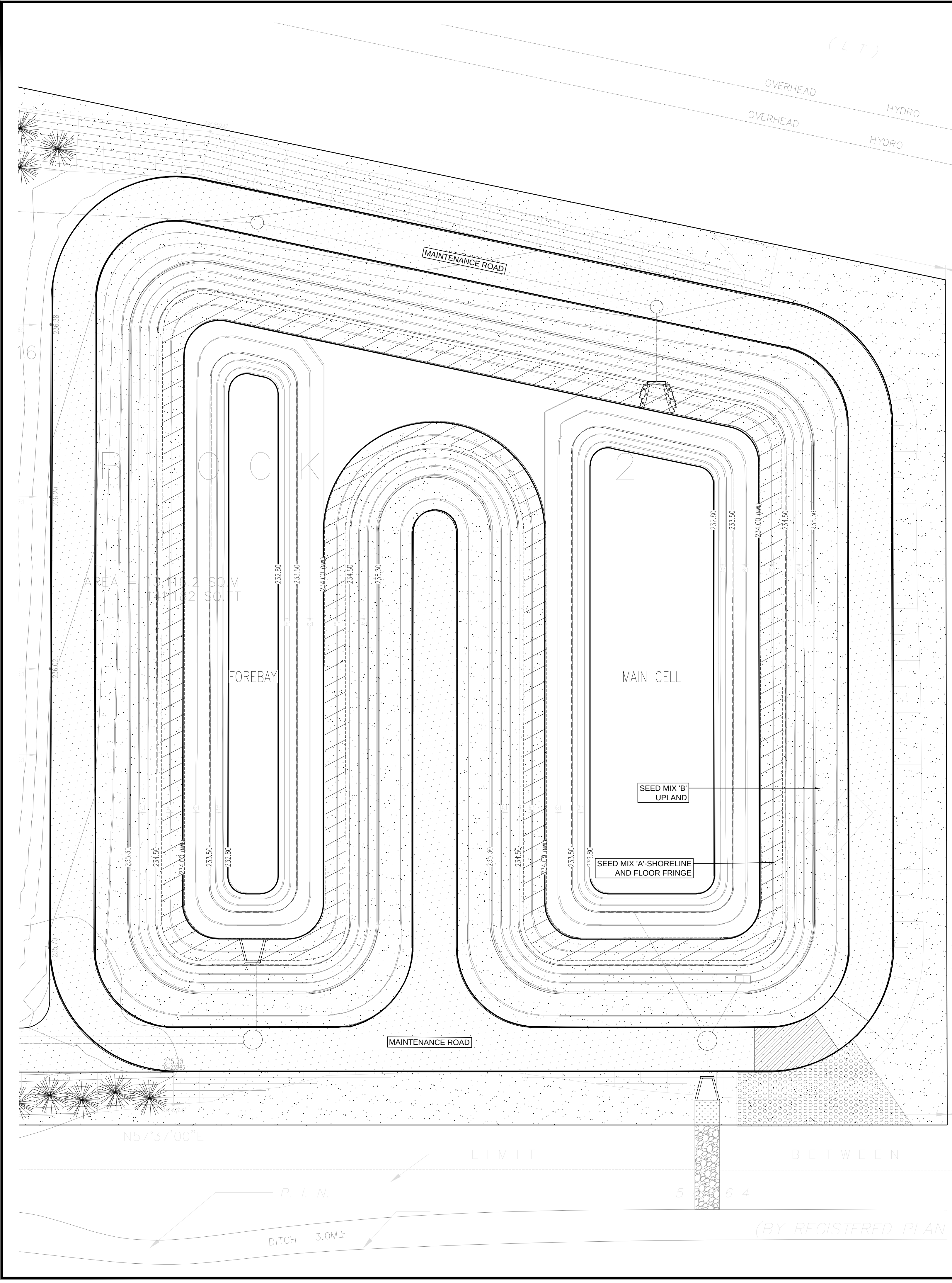
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Telephone 905-475-6988 Fax 905-475-5930 info@cgl.ca

Client
545 DUNLOP STREET
FIRST GULF
BARRIE, ON
CITY OF BARRIE

Title
STORMWATER MANAGEMENT POND
RESTORATION PLANTING PLAN

Drawn	SS	Scale	1:250	Dwg File	1855-LP
Checked	DB	Date	OCT. 09, 2012	Drawing No.	
Approved	DB	Project No.	2855		

RP1



SEED MIX "A" SHORELINE FRINGE AND FLOOD FRINGE (2 METRES HORIZONTAL)

EARLY SUCCESSION WET MEADOW MIX
(REFER TO OSC SEEDS, www.oscseeds.com)

% COMPOSITION	BOTANICAL NAME	COMMON NAME
3%	Carex stipata	AWL SEDGE
2%	Carex bebbii	DEBB'S SEDGE
10%	Andropogon gerardii	DOG BLUESTEM
10%	Carex scorparia	BLUNT BROOM SEDGE
1%	Aster umbellatus	FLAT TOPPED WHITE ASTER
25%	Carex vulpinoidea	FOX SEDGE
2%	Carex crinata	FRINGED SEDGE
1%	Lobelia siphilitica	GREAT BLUE LOBELIA
2%	Aster novae-angliae	NEW ENGLAND ASTER
5%	Juncus tenuis	PATH RUSH
2%	Desmodium canadense	SHOWY TICK TREFOL
4%	Juncus effusus	SOFT RUSH
2%	Glyceria grandis	TALL MANNA GRASS
10%	Elymus virginicus	VIRGINIA WILD RYE
1%	Monarda fistulosa	WILD BERGAMOT
100%		

SEEDING NOTES :

ANNUAL NURSE CROP

% COMPOSITION	BOTANICAL NAME	COMMON NAME
100%	LALUM MULTIFORM	ANNUAL RYGRASS NURSE CROP

1. SEED ANNUAL RYE NURSE CROP IN THE FIRST YEAR WHERE EARLY SUCCESSION WET MEADOW MIX WILL BE APPLIED.
2. SEED AT RATE OF 12kg/ha INOCULATE WITH RHIZOBIA SEED ON A WELL WORKED SEED BED - DO NOT FERTILIZE SEEDING SHALL BE COMPLETED IN FALL (OCTOBER 15th TO NOVEMBER 15th).

SEEDING APPLICATION / MAINTENANCE

1. SEED AT A RATE OF 20kg/ha. INOCULATE WITH RHIZOBIA SEED ON A WELL WORKED SEED BED - DO NOT FERTILIZE SEEDING SHALL BE COMPLETED DURING EARLY SPRING OR FALL (MAY 15-31 OR SEPTEMBER 1-30).
2. SEEDING SHALL BE COMPLETED WITH THE FOLLOWING METHOD:
a) FRESH OR STRATIFIED SEED WILL BE APPLIED WITH COMPOST USING PNEUMATIC BLOWN COMPOST METHOD (TERRASEEDING) TO 50mm DEPTH/75mm on SLOPES OVER 3%.
3. SEED TO BE LOCALLY SOURCED, SEED ZONE 3A PREFERRED.
4. NURSE CROP: OATS (AVENA SATIVA) SOWN AT A RATE OF 12kg/ha. IF SPRING SEEDING NOW TO PREVENT IMPEDING OF NATIVE SEED MIX ESTABLISHMENT. ALL AREAS FOUND NOT GERMINATED FOLLOWING ON GROWING SEASON SHALL BE RE-SEEDING BY HAND USING APPROVED NATIVE SEED MIXTURE.
5. ALL AREAS DISTURBED BY FUTURE POND SILT DREDGING SHALL BE RE-SEEDING USING SPECIFIED APPROVED NATIVE SEED MIXTURE.
6. TERRASEEDING OF ALL AREAS DISTURBED BY LANDSCAPE WORKS SHALL BE FINE GRADED AND COMPLETED CONCURRENTLY OR IMMEDIATELY AFTER TOPSOIL APPLIED AT A DEPTH OF 50mm MINIMUM.
7. SEEDING NOT TO OCCUR DURING PERIODS OF DROUGHT (ANY PERIOD OVER 3 WEEKS WITHOUT RAIN).
8. LANDSCAPE CONTRACTOR TO ENSURE SEED MIX IS ORDERED WELL IN ADVANCE OF APPLICATION TO ENSURE AVAILABILITY.
9. PRIOR TO SEEDING CONTRACTOR TO VERIFY SEED LABELS TO ENSURE THAT CORRECT(APPROVED) SPECIES HAVE BEEN ADDED TO SEED MIX.
10. NO VEHICLE OR MACHINERY ACCESS PERMITTED WITHIN AREAS TO BE SEEDING.
11. ALL SEEDING AREAS TO BE WATERED FOR THREE(3) WEEKLY APPLICATIONS FOLLOWING SEEDING AND BI-WEEKLY UNTIL OCTOBER 15.
12. SEEDING TO BE INSPECTED WEEKLY FOLLOWING SEEDING UNTIL GERMINATION TO ENSURE COVERAGE OF 80% MINIMUM IS ACHIEVED.
13. ANY EROSION RILLING TO BE TOP DRESSED AND RE-SEEDING AT 40KG/ha BY
14. MYCORRHIZAL FUNGI POWDER OR GRANULES APPLIED ACCORDING TO MANUFACTURERS SPECIFICATIONS SHALL BE APPLIED DURING SEEDING BY MIXING WITH SEED.

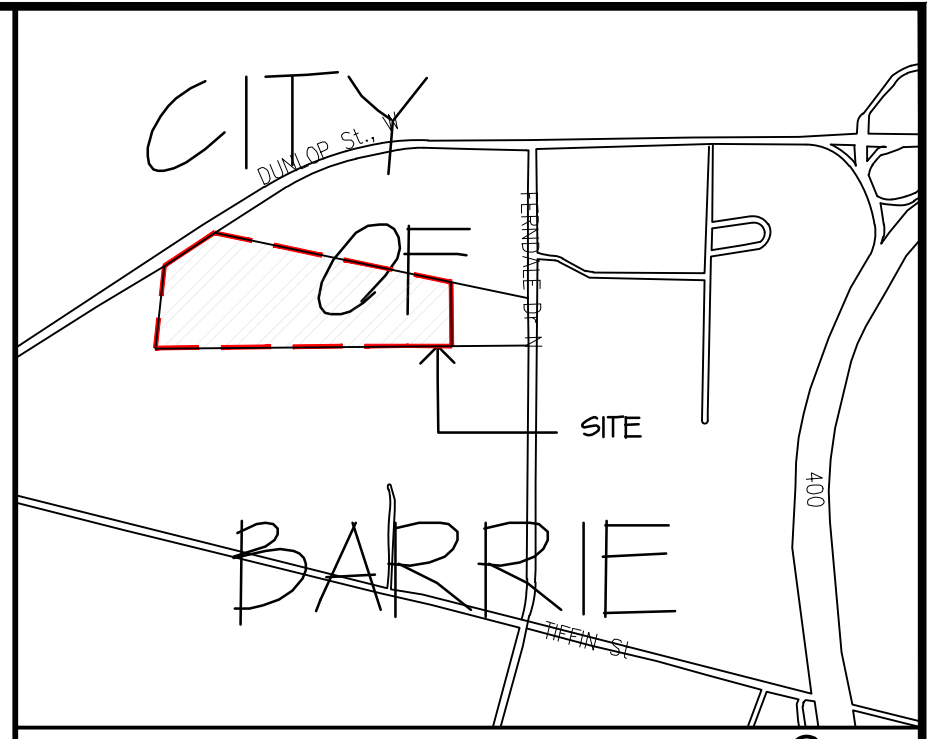
- 1ST GROWING SEASON**
- DO NOT CUT
 - WATER BI-WEEKLY UNTIL ONSET OF FROST WITH SUFFICIENT AMOUNTS TO ENSURE GERMINATION
 - REMOVE WEEDS BY HAND AS NECESSARY
- 2ND GROWING SEASON**
- ONCE GRASS HAS REACHED 100mm CUT BY HAND TO 50mm HEIGHT. ENSURE CUTTINGS ARE EJECTED AWAY FROM OPEN WATER
 - CUT TO A HEIGHT OF 300mm IN MID-SUMMER. ONCE BIENNIAL WEEDS SUCH AS SWEET CLOVER ARE IN FULL BLOOM
 - CUT AGAIN IN OCTOBER TO A HEIGHT OF 150-300mm

15. CONTRACTOR WILL INSURE 100% COVERAGE AND ESTABLISHMENT WITHIN THE SWM POND THROUGHOUT THE WARRANTY PERIOD.
16. EROSION CONTROL BLANKETS ARE TO BE PLACED OVER TOP OF SEEDING AREAS IMMEDIATELY AFTER SEEDING WHERE REQUIRED.

SEED MIX "B" UPLAND

SIMCOE COUNTY NATIVE SEED MIXTURE
(REFER TO OSC SEEDS, www.oscseeds.com)

% COMPOSITION	BOTANICAL NAME	COMMON NAME
5%	Asclepias syriaca	COMMON MILKWEED
2%	Aster novae-angliae	NEW ENGLAND ASTER
10%	Elymus canadensis	CANADA WILD RYE
1%	Monarda fistulosa	WILD BERGAMOT
12%	Rudbeckia hirta	BLACK-EYED SUSAN
4%	Solidago canadensis	CANADA GOLDENROD
10%	Sorghastrum nutans	INDIAN GRASS
10%	Sporobolus cryptandrus	SAND DROPSIDE
15%	Schizachyrium scoparium	LITTLE BLUESTEM
100%	Aster laevis	SMOOTH BLUE ASTER



KEY MAP

LEGEND

---	PROPERTY LINE
xxxx	NORMAL WATER LEVEL - XXX
-237.00	EXISTING CONTOUR ELEVATION
-235.00	PROPOSED POND CONTOUR ELEVATION
[Hatched Pattern]	PROPOSED SEED MIX 'A'-SHORELINE AND FLOOD FRINGE
[Dotted Pattern]	PROPOSED SEED MIX 'B'-UPLAND

- GENERAL NOTES:**
1. THIS PLAN TO BE USED FOR STORMWATER MANAGEMENT POND REHABILITATION PLANTING ONLY. BASE INFORMATION OBTAINED FROM POWERS BROWN ARCHITECTURE DRAWING NO. 225058. AND RUDY MAK SURVEYING. FILE NO. 10669
 2. ALL EXPOSED AND/OR DISTURBED AREAS SHALL BE SEEDING BY 'TERRASEED' OR APPROVED EQUAL PNEUMATICALLY BLOWN SYSTEM.
 3. REFER TO DRAWINGS RP2 FOR SEEDING, RP3 FOR NOTES AND D1 FOR DETAILS.
 4. ALL DIMENSIONS ARE METRIC UNLESS OTHERWISE SPECIFIED. ELEVATIONS ATRE REFERENCED TO GEODETIC BENCHMARK.

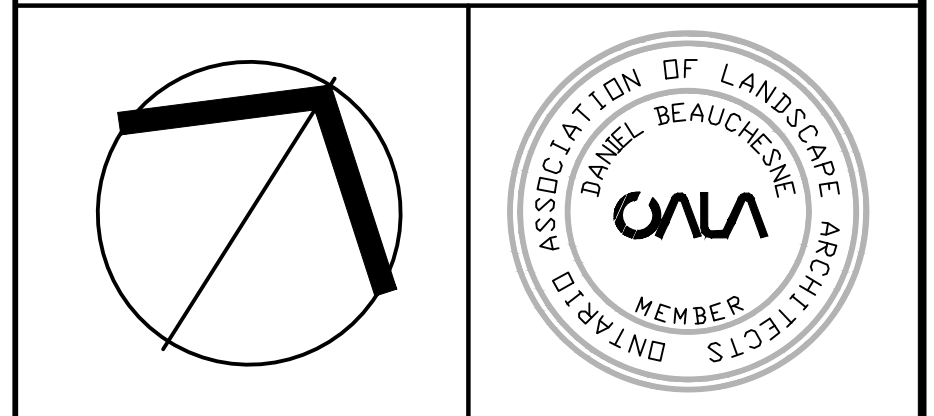
2.	ISSUED FOR CLIENT REVIEW	56	JAN/19/22
1.	ISSUED FOR CLIENT REVIEW	56	DEC/12/21
No.		By	Date

Revisions

This drawing is not to be used for construction unless signed by the Landscape Architect.

Approved by:..... Date:.....

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COSBURN GIBERSON LANDSCAPE ARCHITECTS

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Client
**545 DUNLOP STREET
FIRST GULF
BARRIE, ON
CITY OF BARRIE**

Title
**STORMWATER MANAGEMENT POND
SEEDING PLAN**

Drawn	SS	Scale	1:250	Drwg File	2855-LP
Checked	DB	Date	OCT. 09, 2022	Drawing No.	
Approved	DB	Project No.	2855		

RP2

RESTORATION PLANTING NOTES

1. ALL PLANT MATERIAL SHALL BE MAINTAINED BY THE CONTRACTOR IMMEDIATELY FOLLOWING PLANTING UNTIL THE DATE OF ACCEPTANCE.
2. MAINTENANCE SHALL INCLUDE ALL MEASURES NECESSARY TO ESTABLISH AND MAINTAIN ALL PLANTS IN AN ACCEPTABLE, VIGOROUS AND HEALTHY CONDITION INCLUDING CULTIVATING AND WEEDING, WATERING WHEN REQUIRED, PRUNING AND MAINTENANCE OF ALL ACCESSORIES.
3. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF TWO (2) YEARS FROM PLANTING DATE UNLESS OTHERWISE NOTED. ANY PLANTS FOUND TO BE DEAD, MISSING OR UNHEALTHY WITHIN THE GUARANTEE FROM PLANTING DATE PERIOD ARE TO BE REPLACED AND RE-GUARANTEED FOR AN ADDITIONAL TWO (2) YEARS.
4. AT TIME OF INSPECTION FOR ACCEPTANCE, ALL PLANTING BEDS AND TREE PITS SHALL BE CULTIVATED, FREE OF WEEDS, LEAVES, BROKEN BRANCHES AND DEBRIS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FROM RODENT AND OTHER DAMAGE FOR THE DURATION OF THE GUARANTEE PERIOD. PROTECTIVE COLLARS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF SHREDDED DARK MULCH. COLLARS SHALL BE FLEXIBLE PLASTIC COMPOSITION, A MINIMUM OF 400mm HIGH AND 100mm IN DIAMETER.
6. THE CONTRACTOR SHALL REMOVE ALL T-BAR TREE STAKES PRIOR TO ACCEPTANCE BY THE CITY OF BARRIE.
7. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE TERRASEEDED WITH SPECIFIED REHABILITATION SEED MIXTURE TO A MULCH DEPTH OF 50mm.
8. AQUATIC FRINGE PLANTING TO BE COMPLETED ONE FULL GROWING SEASON AFTER SHORELINE AND FLOOD FRINGE. ONCE A VEGETATIVE BUFFER IS ESTABLISHED AROUND THE POND PERIMETER AS DETERRENT TO GEESSE. SUBMERGENT AQUATIC PLANTS SHALL BE MATURE POTTED PLANTS PLANTED AT 0.5 TO 2.0 METER WATER DEPTH. FLOATING, LEAVED AQUATICS (POTTED) TO BE PLANTED AT 0.5 TO 2.0 METER WATER DEPTH. EMERGENT AQUATIC FRINGE PLANTINGS (PLUGS) SHALL BE PLANTED FROM AQUATIC FRINGE TO 0.5 METER WATER DEPTH. AQUATIC PLANT DENSITY SHALL BE 3 UNITS PER LINEAR METRE OF WATER'S EDGE FOR BOTH SUBMERGENT AND EMERGENT ZONES. SHORELINE FRINGE PLANTINGS (SEDGES, BUSHES, WILDFLOWERS) SHALL BE PLANTED 1.0 METER HORIZONTAL FROM PERMANENT POOL ELEVATION (259.15) AQUATIC PLANTING DENSITY TO BE 5 UNITS/M².
9. NO HERBICIDES SHALL BE APPLIED WITHIN OR ADJACENT TO AREAS SUBJECT TO REHABILITATION PLANTING.
10. REMOVE ALL EXISTING MAN-MADE AND DUMPED DEBRIS BY HAND FROM RESTORATION PLANTING ZONES AND DISPOSE OF OFF SITE.
11. DO NOT FERTILIZE PLANTINGS.
12. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND SERVICES. ALL RELEVANT UTILITY AGENCIES SHALL BE GIVEN REQUIRED NOTICE PRIOR TO ANY EXCAVATION FOR STAKE OUTS. THE CONSULTANT ASSUMES NO RESPONSIBILITY OF THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES INDICATED ON THIS DRAWING.
13. ALL PLANTING MATERIAL SHALL BE LOCALLY GROWN FROM SEED ORIGINATING IN SOUTHERN ONTARIO WITHIN A 200km RADIUS OF THE SITE OR FROM OTHER APPROPRIATE SEED ZONES TO THE APPROVAL OF LSRCA.
14. ALL PLANT MATERIAL SHALL BE STOCKPILED IN SHADE AND KEPT WELL WATERED UNTIL PLANTING. ALL PLANTING TO BE WATERED ONCE WEEKLY FOR SIX WEEKS FOLLOWING PLANTING.
15. LANDSCAPE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO INSPECT ALL PLANTING STOCK FOR QUALITY AND ENSURE STOCK SUPPLIED IS THE CORRECT SPECIES, SIZE AND CONDITION AND OF LOCAL SOURCE PRIOR TO PLANTING.
16. PLANTS SHALL BE SPACED ON CENTRE AS FOLLOWS:

DECIDUOUS TREES

5.0 METRES (1 TREE PER 25M²)

DECIDUOUS TREES (WHIPS)

2.5 METRES (6.25 TREES PER 25M²)

CONIFEROUS TREES (LARGE)

4.0 METRES

CONIFEROUS TREES (SMALL)

1.2 METRES

SHRUBS

1.0 METRE

HERBACEOUS PLANTS

0.2 METRES
17. BARE ROOT & LIVE STAKING STOCK MUST BE PICKED UP AND DELIVERED TO SITE NO MORE THAN TWO DAYS PRIOR TO PLANTING. HEAL INTO SOIL IF NOT IMMEDIATELY PLANTED.
18. THE LANDSCAPE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT FOR ANY PLANT SPECIES SUBSTITUTION REQUESTS IMMEDIATELY IN ORDER TO REQUEST APPROVAL FROM LSRCA.
19. FINAL LOCATIONS OF ALL PLANTINGS TO BE DETERMINED UNDER ON SITE DIRECTION OF THE LANDSCAPE ARCHITECT.
20. PRIOR TO TOPSOILING THE POND BLOCK CONSULTING ENGINEER STAFF SHALL REVIEW THE SUITABILITY OF SUBSOIL MATERIAL AND LEVEL OF COMPACTION WITH LANDSCAPE ARCHITECT.
21. TOPSOIL DEPTH SHALL BE 0.35m FROM PERMANENT WATER LEVEL TO 1 METRE HORIZONTAL IN POOL AND 0.2m DEPTH MINIMUM FOR THE REMAINING POND AREA. TOPSOIL TO BE TESTED AND AMENDED BEFORE PLACEMENT TO MEET HORTICULTURAL REQUIREMENTS. TOPSOIL TO HAVE AN ACIDITY RANGE FROM 6.0-7.5 PH, CONTAINING A MINIMUM OF 4% ORGANIC MATTER. TOPSOIL TO BE FREE OF SUBSOIL INCLUSIONS, CLAY LUMPS AND STONES. ROOTS OVER 50mm IN DIAMETER AND OTHER SOLID DEBRIS MATERIALS. DESIGN ENGINEER TO CONFIRM SUITABILITY OF SUBSOIL MATERIAL AND COMPACTION WITH LANDSCAPE ARCHITECT.
22. ANGLE OF REPOSE VARIES WITH STEEP SLOPE AND SOIL CONDITIONS. TAMP TOPSOIL MIX AROUND ROOT SYSTEM IN 150mm THICK LAYERS.
23. SCARIFY SURFACE OF SUBSOIL PRIOR TO PLANTING TREES AND SHRUBS.
24. CONTRACTOR SHALL SUPPLY AND PLACE 300mm DEEP CLEAN TOPSOIL ON EMERGENCY SPILLWAY RIP-RAP AREA TO BE LIVE STAKED. NOTE: FOREBAY BERM SECTIONS TO BE RIP-RAP ONLY (NO TOPSOIL).
25. PLANT MATERIAL SHALL BE SHADED WITH A COOL TARP PRIOR TO PLANTING.
26. CONTRACTOR SHALL REMOVE ALL WIRE BASKETS AND BURLAP FROM PLANT MATERIAL UPON PLANTING.
27. ALL DECIDUOUS TREE PLANTINGS TO INCLUDE 400mm HEIGHT, 100mm DIAMETER BIO "O" DRAIN TILE, RODENT/ WEED TRIMMER GUARDS.
28. ALL REHABILITATION PLANTING AREAS SHALL BE CONTINUOUSLY MULCHED WITH SHREDDED DARK MULCH TO A MINIMUM DEPTH OF 75mm AND MAXIMUM DEPTH OF 100mm.
29. SHRUB PLANTING DENSITY SHALL BE 1 METER ON CENTER. TREES SHALL BE PLANTED NO CLOSER THAN 2.5 METER ON CENTER.
30. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SEEDED AREAS. DAMAGE TO SOILS AND SEEDED AREA (AS DETERMINED BY THE LANDSCAPE ARCHITECT) SHALL BE RESTORED BY THE BY THE CONTRACTOR, TO THE LANDSCAPE ARCHITECTS APPROVAL, AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY OF BARRIE.
31. RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OF BARRIE.

SWM POND RESTORATION PLANTING--MAINTENANGE PROGRAM (TWO YEARS)

1. ALL PLANTINGS SHALL BE WATERED FOR SIX WEEKLY APPLICATIONS FOLLOWING PLANTING AND DURING PERIODS OF DROUGHT (ANY PERIOD OVER 3 WEEKS WITHOUT RAIN) AND REGULARLY FOR TWO YEARS FROM PLANTING.
2. EARLY SPRING AND FALL VEGETATION MANAGEMENT SHALL INCLUDE THE FOLLOWING TASKS:

- WEED CUTTING AND INVASIVE TREE SAPLING REMOVAL BY HAND AND DISPOSAL OFF SITE.

- PRUNING ALL DEAD, DISEASED OR DAMAGED MATERIAL FROM ALL TREES AND SHRUBS.

- DISPOSAL OF ALL MAN-MADE DEBRIS OFF SITE.

- TOPPING UP OF MULCH TO 100mm DEPTH IN TREE SAUCERS TO RETAIN WATER(FALL).
3. INVASIVE ALIEN SPECIES FOUND GROWING WITHIN THE POND RESTORATION ZONE SHALL BE REMOVED FULLY IN SPRING AND FALL EACH YEAR BY HAND AND DISPOSED OF OFF SITE. INVASIVE ALIEN SPECIES TO BE REMOVED MAY INCLUDE THE FOLLOWING:

Rhamnus cathartica – COMMON BUCKTHORN

Acer platanoides – NORWAY MAPLE

Alliaria petiolata – GARLIC MUSTARD

Cynanchum rossicum – DOG STRANGLING VINE

Acer negundo – MANITOBA MAPLE

Lonicera tatarica – TATARIAN HONEYSUCKLE
4. MONITOR PERFORMANCE OF ALL PLANTING INCLUDING SEEDING AND EROSION CONTROL MEASURES.
5. MONITORING REPORTS TO BE PROVIDED TO CITY OF BARRIE FROM TIME OF PLANTING TO THE END OF THE GUARANTEE PERIOD. INSPECTIONS TO TAKE PLACE DURING SEPTEMBER EACH YEAR AND PROVIDED NO LATER THAN OCTOBER 7 OF EACH YEAR.

LIVE STAKING – PLANT MATERIAL (1m O/C, DORMANT PLANTING)

Salix discolor PUSSEY WILLOW, 500-750 LONG
Salix eriocephala NARROW HEART-LEAVED WILLOW, 500-750 LONG
Salix exigua SANDBAR WILLOW, 500-750 LONG

GENERAL BIOTECHNICAL SLOPE STABILIZATION NOTES:

1. 200mm DEPTH CLEAN TOPSOIL TO BE PLACED OVER RIP-RAP AND INFILL. RIP-RAP GAPS TO A DEPTH OF 150mm AND PRIOR TO LIVE STAKE PLANTING, REFER TO DETAILS T/RPS.
2. LIVE STAKING SHALL BE INSTALLED ON A 1 METRE GRID DURING PERIOD OF VEGETATIVE DORMANCY (LATE FALL, WINTER OR EARLY SPRING)
3. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO MAINTAIN BIOTECHNICAL SLOPE STABILIZATION WORKS IN FUNCTIONING ORDER OVER COURSE OF GUARANTEE PERIOD.
4. ALL SLOPE STABILIZATION BIOTECHNICAL PLANTING WORKS SHALL BE GUARANTEED FOR A PERIOD OF TWO (2) YEARS UNLESS OTHERWISE NOTED. FIELD INSPECTION OF WORKS WILL BE CONDUCTED AT AFTER ONE AND TWO YEARS FOLLOWING INSTALLATION. HEALTHY CONDITIONS MUST BE FOUND AT THAT TIME, REFERRING TO OVERALL LEAF DEVELOPMENT AND ROOTED STAKES DEFINED AS FOLLOWS:

LIVE STAKING – 70-95% GROWING

PLANTING SUMMARY

OVERALL COVERAGE OF 50% OF EACH ZONES 3-5
SHRUBS – 1m O/C
TREES – 5m O/C

PLANT MATERIAL	QUANTITY REQUIRED	QUANTITY PROVIDED
TREES	103	207
SHRUBS	1195	1845

SWM POND – SUMMARY OF MINIMUM PLANT QUANTITIES REQUIRED

ZONE	A = AREA OF POND IN EACH ZONE (m²)	B = LINEAR METRES OF WATER'S EDGE (m)	C = # OF AQUATIC SPECIES' 95% COVERAGE	D = OVERALL WOODY COVERAGE (m²)	E = # OF TREES 50% COVERAGE	F = # OF SHRUBS
			C = B*35	D = A*0.5	E=A/1000*25	F=D-(E*15)
1	—	580	203	—	—	—
2	—	580	203	—	—	—
3	510	—	—	255	—	255
4	1500	—	—	750	38	180
5	6050	—	—	3025	151	760
TOTAL					183	1195

ZONES

ZONE 1 – SUBMERGENT (DEEP WATER)
ZONE 2 – AQUATIC FRINGE (EXTENDED DETENTION)
ZONE 3 – SHORELINE FRINGE (EXTENDED DETENTION)
ZONE 4 – FLOOD FRINGE
ZONE 5 – UPLAND

NOTE

- 1) AQUATIC QUANTITIES BASED ON PLUGS(5 UNITS PER M²).
100 cm POTTED FORM 4 UNITS/M² 150 cm POTTED FORM 3 UNITS/M²
- 2) TREE QUANTITIES BASED ON CALIPER STOCK (1 UNIT PER 25M²)

PROJECT GOALS/ SPECIAL CONSIDERATIONS

1. ENHANCE EXISTING LOCAL BIODIVERSITY VALUES.
2. SEQUESTER CARBON TO COMBAT CLIMATE CHANGE.
3. SHADE POND TO COOL DOWNSTREAM FLOWS.
4. CREATE WILDLIFE HABITAT.
5. ENHANCE LOCAL SCENIC QUALITY.
6. PROVIDE INSECT POLLINATOR PLANTS.
7. ENHANCE POLLUTANT REMOVAL.

2.	ISSUED FOR CLIENT REVIEW	56	JAN19/22		
1.	ISSUED FOR CLIENT REVIEW	56	DEC12/22		
No.		By	Date		
Revisions					
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Approved by:.....		Date:.....			
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Client	545 DUNLOP STREET FIRST GULF BARRIE, ON CITY OF BARRIE				
Title	STORMWATER MANAGEMENT POND NOTES				
Drawn	56	Scale	1:250		
Checked	DB	Date	OCT. 09, 2022		
Approved	DB	Project No.	2855		
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