

**LEGEND:**

- CONCRETE SIDEWALK
- UNIT PAVERS
- ASPHALT PAVING
- SODDED AREA
- PLANTING BED
- ENGINEERED WOOD FIBER SAFETY SURFACE
- PROPERTY LINE
- 1.8m HT WOODSCREEN FENCE
- 1.2m HT CHAINLINK FENCE
- CONTOUR LINE
- ENLARGEMENT BOUNDARY
- DECIDUOUS TREE
- CONIFEROUS TREE
- CONIFEROUS SHRUB
- PERENNIAL GRASS
- DETAIL CALLOUT
- PLANT KEY  
- NUMBER PLANTS  
- PLANT SPECIES, REFER TO PLANT LIST

**LAYOUT NOTES:**

1. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO CONTRACTOR ADMINISTRATOR PRIOR TO CONSTRUCTION
2. LAYOUT TO BE APPROVED BY CONTRACT ADMINISTRATOR PRIOR TO ANY CONSTRUCTION OR REMOVALS
3. ALL DIMENSIONS ARE IN METRIC UNLESS OTHERWISE NOTED
4. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS, REMOVALS, DISPOSALS AND ROUGH GRADING AS REQUIRED TO CONSTRUCTION ALL WORKS AS SHOWN ON PLANS, DETAILS AND SPECIFICATIONS
5. LOCATION OF ALL UTILITIES SHOWN FOR ILLUSTRATION ONLY. CONTRACTOR MUST CONTACT ALL UTILITIES REGARDING RULES FOR WORKING IN THE AREA OF THE UTILITIES PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR MUST CONFIRM LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
6. ALL EXISTING ROADS, SIDEWALKS, CURBS, FENCING, PAVING, SODDED RIGHT-OF-WAY AND APPROACHES, ETC. TO REMAIN TO BE PROTECTED DURING CONSTRUCTION TO THE CITY OF OTTAWA STANDARDS AT THE CONTRACTORS OWN COSTS.
7. ALL EXISTING TREES, SHRUB BEDS, MULCH BEDS, AND SOIL TO REMAIN TO BE PROTECTED DURING CONSTRUCTION TO CITY OF OTTAWA STANDARDS AT THE CONTRACTORS OWN COST. TREES DAMAGED DURING CONSTRUCTION TO BE REPAIRED TO CITY OF OTTAWA STANDARDS AT THE CONTRACTORS OWN COST.
8. CONTRACTOR TO LAYOUT PARKING AREAS TO ACHIEVE REQUIRED NUMBER OF STALLS IN EACH ROW. STALLS ARE 2550mm BY 5500mm DEEP (UNLESS OTHERWISE NOTED). CONTRACTOR TO REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
9. PARKING LOT ROWS TO BE LAID OUT PARALLEL TO BUILDING FACE. CONTRACTOR TO STAKE OUT PARKING ROWS AND ISLANDS FOR REVIEW AND APPROVAL BY PROJECT LANDSCAPE ARCHITECT PRIOR TO EXCAVATION.
10. USE SPECIFIED BACKFILL IN ALL TRENCHES RUNNING BELOW ALL STRUCTURES, PAVING, WALKWAYS, ETC.
11. REFER TO PLANTING PLAN L103 FOR LAYOUT OF ALL SHRUB BEDS AND TREES.
12. ALL PAINTED PAVEMENT MARKINGS AND SIGNS SHOWN, WITHIN LIMIT OF WORK & AS NOTED ON PLANS, TO BE INCLUDED IN WORK UNDER THIS CONTRACT.

**SITE INFORMATION:**

LEGAL DESCRIPTION:  
BLOCK 261 REGISTERED PLAN  
4M-1656, CITY OF OTTAWA

EASEMENTS:  
NONE

MUNICIPAL ADDRESS:  
999 KILBIRNIE DR

SITE AREA:  
28,337m<sup>2</sup> (305,022.9 FT<sup>2</sup>)

BUILDING AREA:  
3,803.078m<sup>2</sup> (40,935.99 FT<sup>2</sup>)

MAX. BUILDING HEIGHT:  
18m (59'-7")

**ZONING INFORMATION:**

ZONING:  
MINOR INSTITUTIONAL ZONE (I19)

PROPOSED LOT COVERAGE:  
NO REQUIREMENT

SETBACKS:  
MIN FRONT YARD: 6.50m (REQ. 6m)  
MIN REAR YARD: 9.71m (REQ. 7.5m)  
MIN CORNER SIDE YARD: 3.275m (REQ. 3.0m)  
MIN. EXT. SIDE YARD: NO REQUIREMENT

MIN. LANDSCAPED OPEN SPACE:  
NO REQUIREMENT

MIN. LANDSCAPED BUFFER FOR PARKING:  
3m (REQ. 3m)

**PARKING REQUIREMENTS:**

1. SCHOOL, ELEMENTARY (SEC. 101, TABLE 101D, NB1)  
1.5 PER CLASSROOM (INCLUDING PORTABLES, ADMIN, CHILDCARE)  
= 55 SPACES REQ.  
= 61 PROVIDED
  2. ACCESSIBLE PARKING REQ. (BY-LAW NO. 2017-301, SECTION 111):  
= 1 TYPE A SPOT REQ.  
= 2 PROVIDED
- BICYCLE PARKING:  
SCHOOL: 1 PER 100m<sup>2</sup> OF GROSS FLOOR AREA = 47.41 REQ.  
DAY CARE: 1 PER 250m<sup>2</sup> OFA = 1.3 REQ.  
= 45 SPACES REQ.  
= 45 PROVIDED

**KEYNOTES:**

1. CONCRETE SIDEWALK
2. ASPHALT SIDEWALK
3. UNIT PAVING ON CONCRETE BASE
4. 150mm HT CONCRETE CURB
5. SIDEWALK RAMP WITH TACTILE WARNING SURFACE INDICATOR (TWS) TO CITY OF OTTAWA CONSTRUCTION STANDARDS
6. ASPHALT PARKING LOT (61 STALLS, INCLUDING 2 TYPE A ACCESSIBLE STALLS)
7. SODDED AREA
8. NEW VEHICLE GATE
9. NEW PEDESTRIAN GATE
10. WALL MOUNTED BASKETBALL HOOP AND BACKBOARD
11. OUTDOOR CLASSROOM, REFER TO ENLARGEMENT 4, L104
12. NEW MINI-SOCCER GOALS
13. LINE PAINTING, REFER TO SPECIFICATIONS.
14. SODDED BERM, REFER TO CIVIL GRADING PLAN.
15. TRIPLE HOOP AND POST
16. STRUCTURAL CONCRETE PAD, REFER TO CIVIL
17. ASPHALT PAVING, REFER TO CIVIL
18. FUTURE PARKING EXPANSION
19. SOCCER FIELD LINES FOR SPATIAL LAYOUT PURPOSES ONLY, NOT TO BE PAINTED.
20. SPACING FOR FUTURE PORTABLE CLASSROOMS
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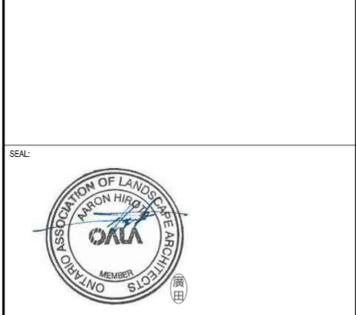
**PLANT LIST:**

KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm) (75%)	SIZE	COMMENTS	
<b>TREES - Deciduous</b>							
As	18	Acer saccharum 'Endowment'	Endowment Sugar Maple	as shown	65mm Cal. B&B	TREES TO BE BALL & BURLAP. SOURCED IN SAME GROWING ZONE. ALL TREES SHOULD HAVE 5 TO 7 MAIN BRANCHES WITH DOMINANT LEADER BRANCH AND WITHOUT DEFECT. MIN ROOT ZONE VOLUME PER TREE: 30 CU. M.	
Gt	3	Gleditsia triacanthos 'Draves'	Street Keeper Honeylocust	as shown	75mm Cal. B&B		
Af	7	Acer x freemanii 'Armstrong Gold'	Armstrong Gold Maple	as shown	75mm Cal. B&B		
Bp	1	Betula pendula 'Dalecarlica'	Culzeave Weeping Birch	as shown	75mm Cal. B&B		
Ta	1	Tilia americana	American Linden / Lime Tree	as shown	75mm Cal. B&B		
Ap	1	Acer platanoides 'Drummond'	Harlequin Norway Maple	as shown	75mm Cal. B&B		
Al	1	Aralia nudicaulis	Wildginger	as shown	50mm Cal. B&B		
Co	1	Celtis occidentalis	Common Hackberry	as shown	75mm Cal. B&B		
Qr	1	Quercus rubra	Red Oak	as shown	75mm Cal. B&B		
Ua	1	Ulmus americana	American Elm	as shown	75mm Cal. B&B		
Pv	1	Malus 'Spring Snow'	Spring Snow Flowering Crabapple	as shown	50mm Cal. B&B		
Pd	1	Populus deltoides	Plains Cottonwood	as shown	75mm Cal. B&B		
Sf	7	Sorbus x hybrida 'Fastigiata'	Columnar Oakleaf Mountain Ash	as shown	75mm Cal. B&B		
Cc	1	Cercis canadensis	Eastern Redbud	as shown	75mm Cal. B&B		
Cr	3	Cotoneaster x mordenensis 'Snowbird'	Snowbird Hawthorn	as shown	50mm Cal. B&B		
<b>TREES - Coniferous</b>							
Pp	16	Picea pungens 'Fastigiata'	Colorado Blue Spruce	as shown	180mm HT. B&B		TREES TO BE BALL & BURLAP. SOURCED IN SAME GROWING ZONE. ALL TREES SHOULD HAVE 5 TO 7 MAIN BRANCHES WITH DOMINANT LEADER BRANCH AND WITHOUT DEFECT. MIN ROOT ZONE VOLUME PER TREE: 30 CU. M.
Ps	5	Pinus strobus	White Pine	as shown	180mm HT. B&B		
<b>SHRUBS - Coniferous</b>							
Ss	119	Juniperus sabina 'Skandia'	Skandia Juniper	900	2 gal.	SHRUBS TO BE IN POTS, SOURCED IN SAME GROWING ZONE. ALL SHRUBS SHOULD HAVE DENSE GROWTH, WELL ROOTED AND WITHOUT DEFECT. MIN ROOT ZONE VOLUME PER SHRUB: 5 CU. M.	
<b>SHRUBS - Deciduous</b>							
Ca	15	Cornus alba 'Little Rebel'	Little Rebel Dogwood	900	2 gal.	SHRUBS TO BE IN POTS, SOURCED IN SAME GROWING ZONE. ALL SHRUBS SHOULD HAVE DENSE GROWTH, WELL ROOTED AND WITHOUT DEFECT. MIN ROOT ZONE VOLUME PER SHRUB: 5 CU. M.	
<b>PERENNIALS</b>							
Ep	13	Echinacea purpurea 'PowWow White'	PowWow White Coneflower	450	2 gal.	PERENNIALS TO BE IN POTS, SOURCED IN SAME GROWING ZONE. ALL PERENNIALS SHOULD HAVE DENSE GROWTH, WELL ROOTED AND WITHOUT DEFECT. MIN ROOT ZONE VOLUME PER SHRUB: 5 CU. M.	
Am	14	Achillea millefolium 'Cerise Queen'	Cerise Queen Yarrow	450	2 gal.		
Rq	27	Rutbeckia 'Goldquelle'	Goldquelle Coneflower	300	2 gal.		
Ab	21	Armeria maritima 'Bloodstone'	Armeria maritima 'Bloodstone'	300	2 gal.		
Pb	12	Hemerocallis 'Prairie Belle'	Prairie Belle Daylily	750	2 gal.		

**ARCHITECTURE 49**

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CONSULTANT - SUB-CONSULTANT:



CLIENT:  
 Conseil des écoles publiques de l'Est de l'Ontario

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-	1	04 AUG 2021	30% CD REVIEW

PROJECT NO:  
219-00014-00

DATE:  
MARCH 2022

ORIGINAL SCALE:  
-

DESIGNED BY:  
AH

DRAWN BY:  
SG

CHECKED BY:  
AH

DISCIPLINE:  
LANDSCAPE

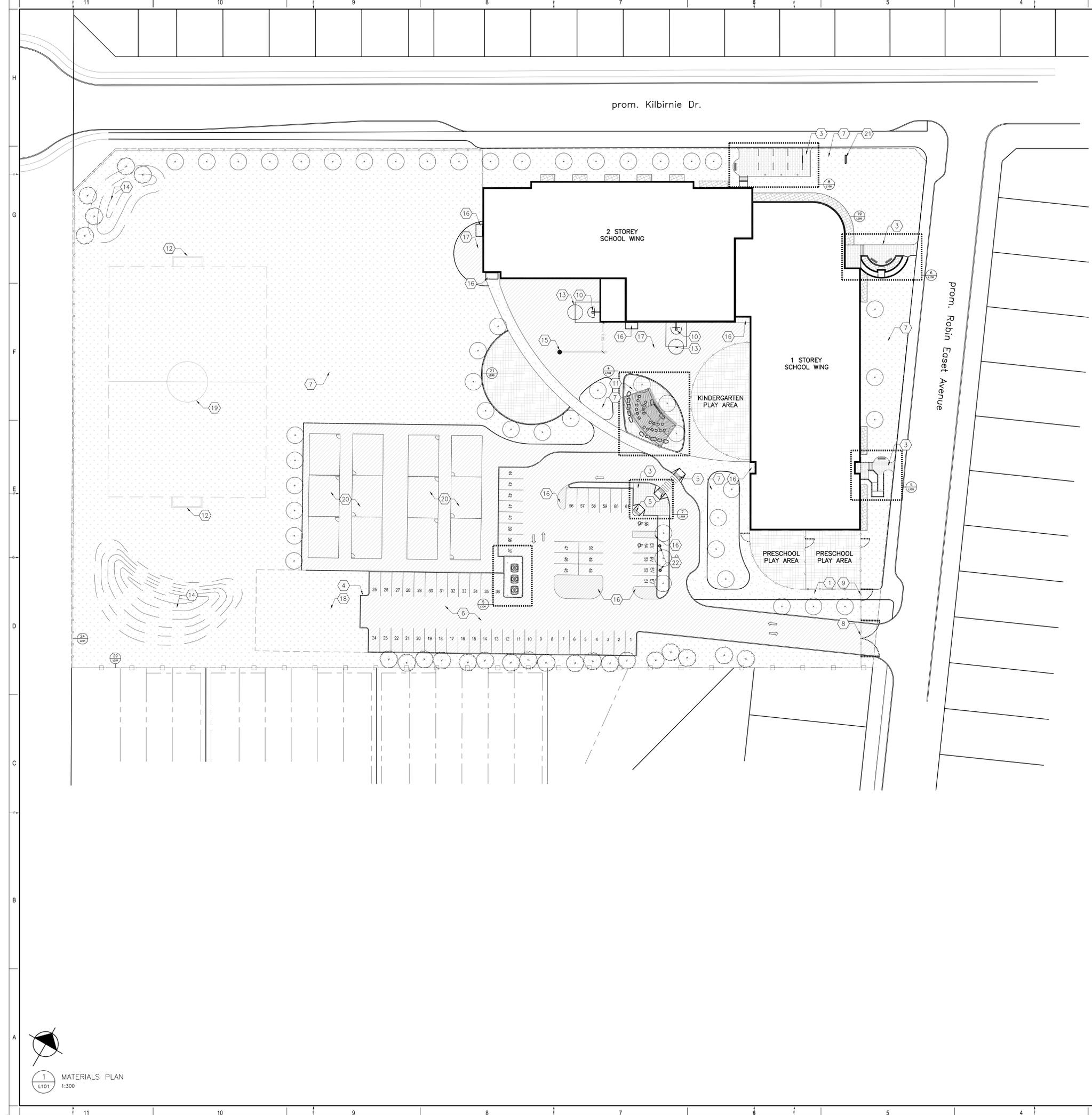
TITLE:  
SITE PLAN

SHEET NUMBER:  
L100

ISSUE:  
- OF -

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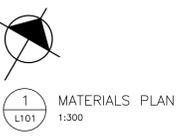
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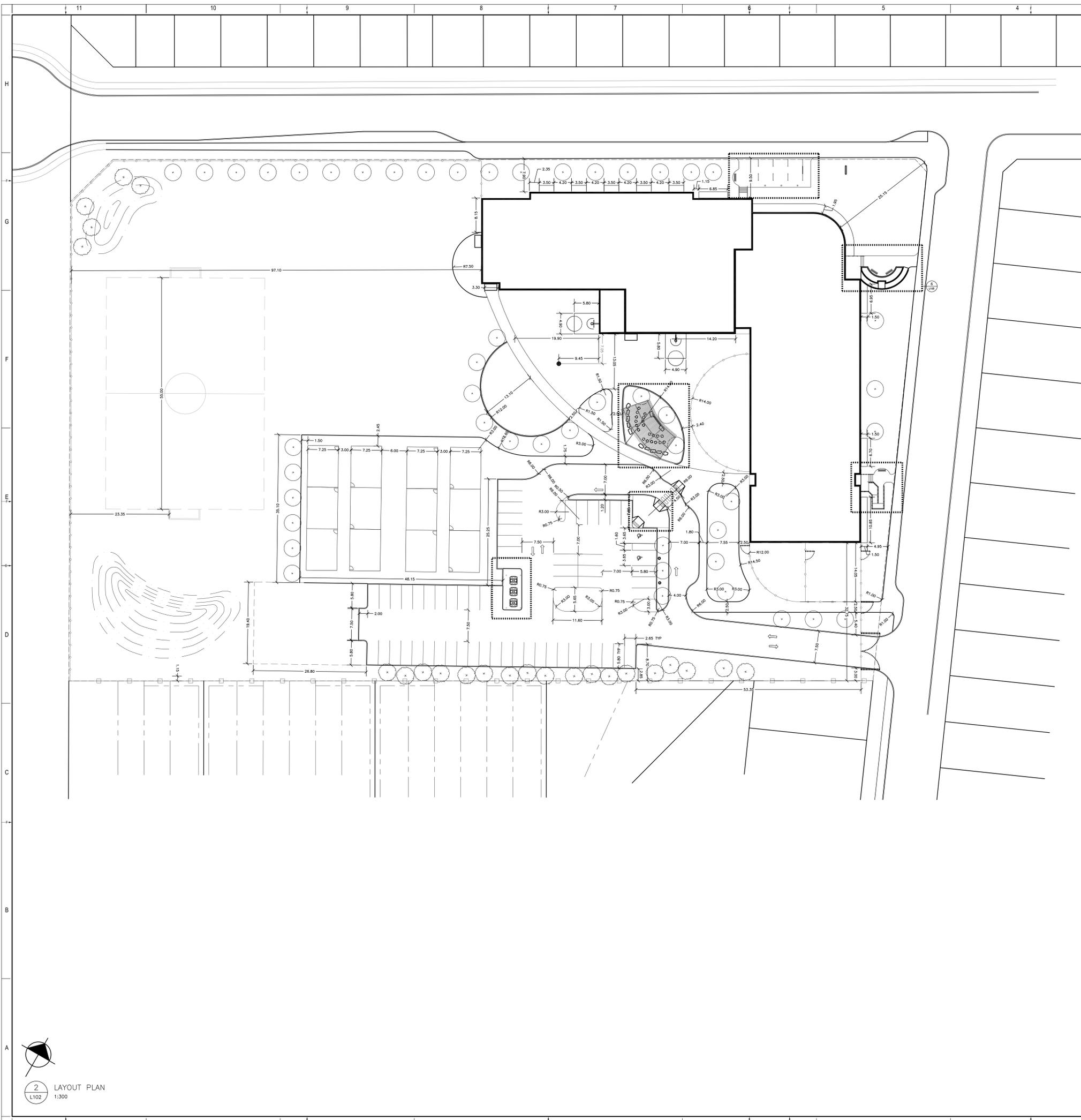
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NO.	DATE	DESCRIPTION
1	MARCH 2022	

PROJECT NO:	219-0011401	DATE:	MARCH 2022
ORIGINAL SCALE:	AS NOTED	IF THIS DRAWING IS NOT TO BE USED AS A PLOTTING SCALE:	
DESIGNED BY:	JAH	DRAWN BY:	SG
CHECKED BY:	JAH	DATE OF:	0
DISCIPLINE: LANDSCAPE			
TITLE: MATERIALS PLAN			
SHEET NUMBER: L101			
DATE OF: 0			



1 MATERIALS PLAN  
 L101 1:300



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- 1.8m HT WOODSCREEN FENCE
- 1.2m HT CHAINLINK FENCE
- BERM HILL
- EXISTING CURB
- NEW CONCRETE CURB
- ⊕ DECIDUOUS TREE
- ⊕ CONIFEROUS TREE
- ⊙ CONIFEROUS SHRUB
- PERENNIAL GRASS

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KEY PLAN

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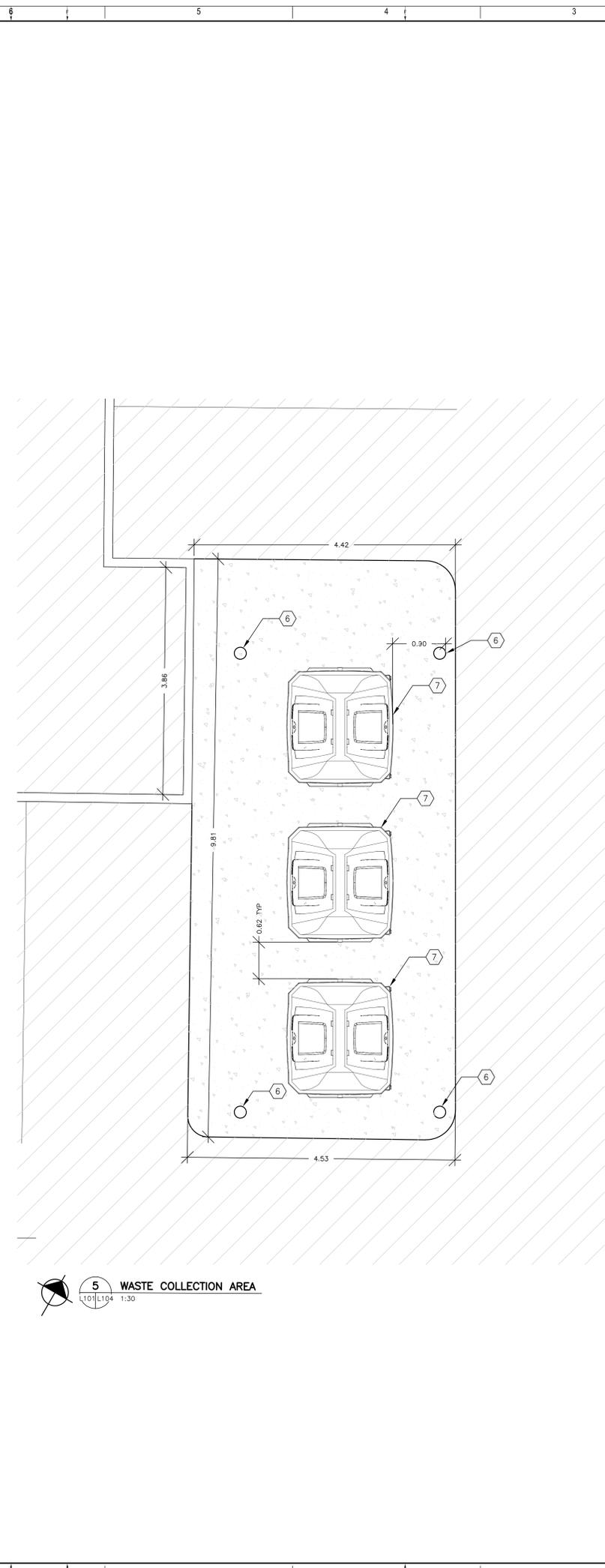
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ORIGINAL SCALE:	AS NOTED	IF THIS BAR IS NOT FULLED, ADJUST YOUR PLOTTING SCALE.	
DESIGNED BY:	JAM	DRAWN BY:	SG
CHECKED BY:	JAM	DATE OF:	
DISCIPLINE:	LANDSCAPE		
TITLE:	LAYOUT PLAN		
SHEET NUMBER:	L102		
REV #	0		





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KEYNOTES:

- OUTDOOR CHALKBOARD AND SIGN PANEL
- LIMESTONE BOULDER SEAT
- LOG STUMP SEAT
- SHADE CANOPY
- LANDSCAPE CURB DETAIL
- CONCRETE FILLED BOLLARD
- IN GROUND WASTE COLLECTION BIN. REFER TO SPECIFICATIONS.

LEGEND:

- CONCRETE
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- ASPHALT
- DECIDUOUS TREE

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Conseil des écoles publiques de l'Est de l'Ontario

ÉCOLE BARRHAVEN SUD

CLIENT REF. #	-
PROJECT	
KEY PLAN	

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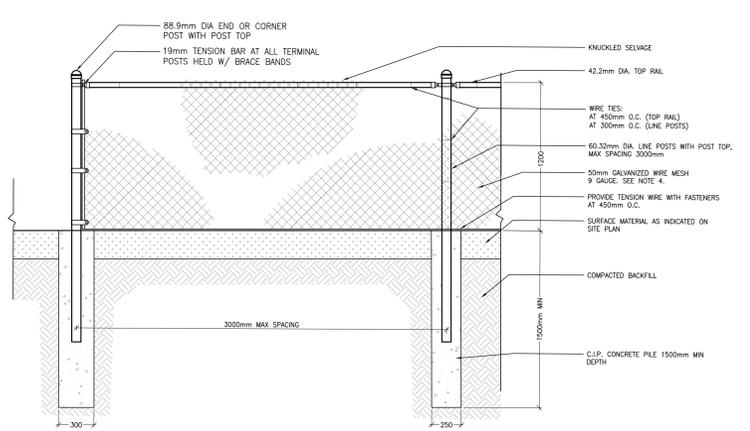
ISSUED FOR	REVISION	DATE	DESCRIPTION
--	6	21 MAR 2022	ISSUED FOR BID AND PERMIT
--	5	14 JAN 2022	90% CD REVIEW
--	4	19 NOV 2021	85% CD REVIEW
--	3	24 SEP 2021	65% CD REVIEW
--	2	27 AUG 2021	RES-ISSUED FOR 30% CD REVIEW
--	1	04 AUG 2021	30% CD REVIEW

PROJECT NO.	219-0011401	DATE	MARCH 2022
ORIGINAL SCALE	AS NOTED	IF THIS DRAWING IS NOT AT ORIGINAL SCALE, USE THE SCALE NOTED ON THE DRAWING.	
DESIGNED BY:	JAH	DRAWN BY:	SG
CHECKED BY:	JAH	DATE OF:	

DISCIPLINE	LANDSCAPE
TITLE	ENLARGEMENT PLANS
SHEET NUMBER	L104
SHEET #	0
DATE OF	

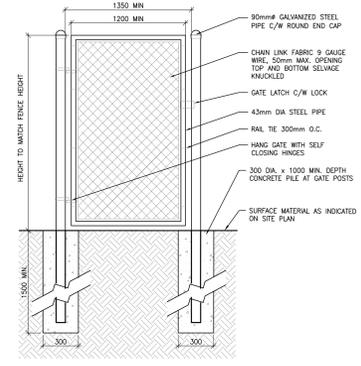




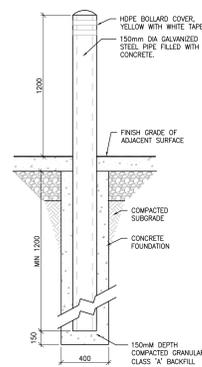


NOTES:  
 1. ALL STEEL COMPONENTS TO BE ZINC COATED (GALVANIZED) UNLESS OTHERWISE NOTED  
 2. CONTRACTOR TO INSTALL FENCING WITH APPROPRIATE DETAIL BASED ON SOIL CONDITION  
 3. TERMINAL POSTS TO BE USED AT ALL OPENINGS AND CHANGES IN DIRECTION AND AT NO MORE THAN 30m INTERVALS  
 4. CONCRETE FOOTING SHALL BE CSA 30MPa CLASS F-1  
 5. ALL RAILS, RODS AND TENSION WIRES TO BE INSTALLED ON THE INSIDE OF THE FENCE.  
 6. CONTRACTOR TO INSTALL FENCE TO RESPOND TO CHANGES IN GRADE.

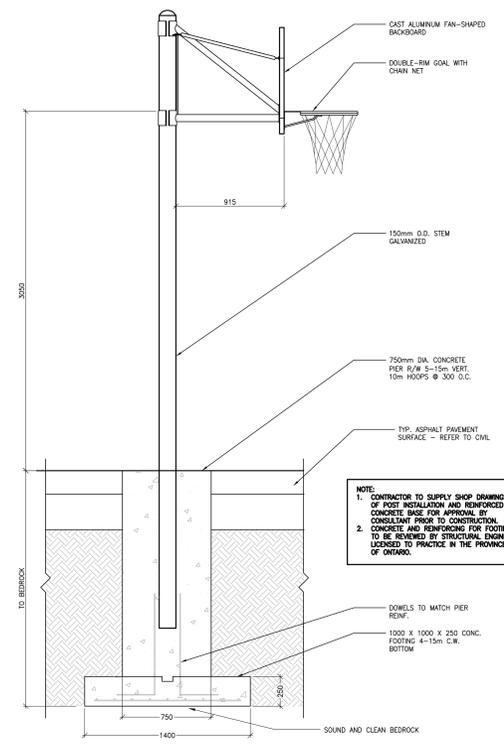
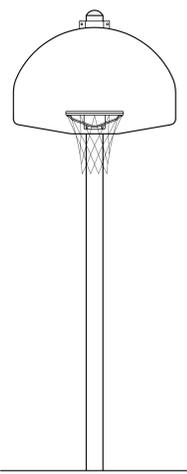
24 TYP CHAIN LINK FENCE  
 L101 L201 1:20



25 CHAIN LINK GATE  
 L101 L201 1:20

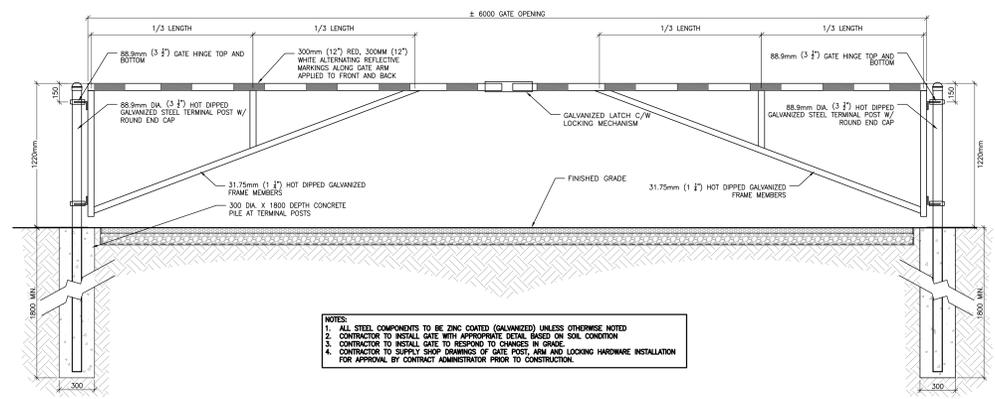
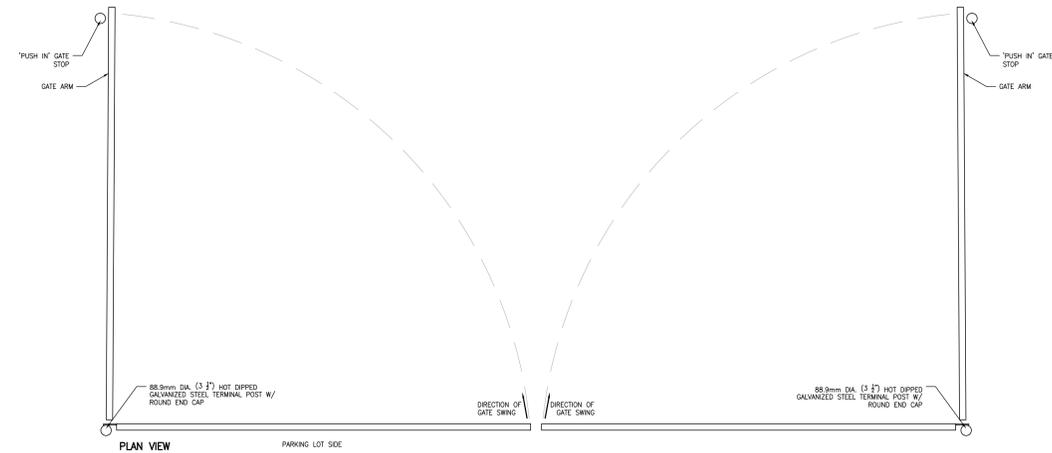


26 CONCRETE FILLED BOLLARD  
 L104 L201 1:20



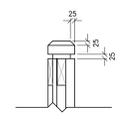
NOTE:  
 1. CONTRACTOR TO SUPPLY SHOP DRAWINGS OF POST INSTALLATION AND REINFORCED CONCRETE BASE FOR APPROVAL BY CONSULTANT PRIOR TO CONSTRUCTION.  
 2. CONCRETE AND REINFORCING FOR FOOTING TO BE REVIEWED BY STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.

27 FREESTANDING BASKETBALL POST AND BACKBOARD  
 L101 L201 1:20

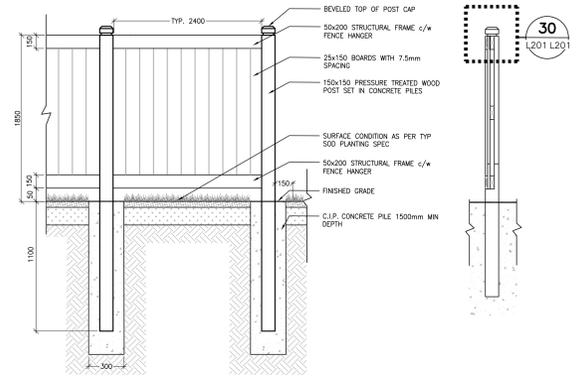


NOTES:  
 1. ALL STEEL COMPONENTS TO BE ZINC COATED (GALVANIZED) UNLESS OTHERWISE NOTED  
 2. CONTRACTOR TO INSTALL GATE WITH APPROPRIATE DETAIL BASED ON SOIL CONDITION  
 3. CONTRACTOR TO INSTALL GATE TO RESPOND TO CHANGES IN GRADE  
 4. CONTRACTOR TO SUPPLY SHOP DRAWINGS OF GATE POST, ARM AND LOCKING HARDWARE INSTALLATION FOR APPROVAL BY CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.

28 VEHICULAR BARRIER GATE  
 L101 L201 1:20



30 POST CAP ENLARGEMENT  
 L201 L201 1:10



NOTES:  
 1. ALL FASTENINGS AND HARDWARE TO BE GALVANIZED AND ARE INCIDENTAL TO THE CONSTRUCTION OF THE FENCE.  
 2. ALL WOOD TO BE PRESSURE TREATED AND STAINED CEDAR, PROVIDE STAIN SAMPLE FOR APPROVAL PRIOR TO PURCHASE.  
 3. LUMBER SIZES SHOWN ARE NOMINAL.  
 4. PAINT ALL CUTS WITH APPROVED WOOD PRESERVATIVE.  
 5. GRANULAR 'A' SHALL MEET THE REQUIREMENTS OF OPSS 1010

29 TYP WOOD SCREEN FENCE  
 L101 L201 1:20

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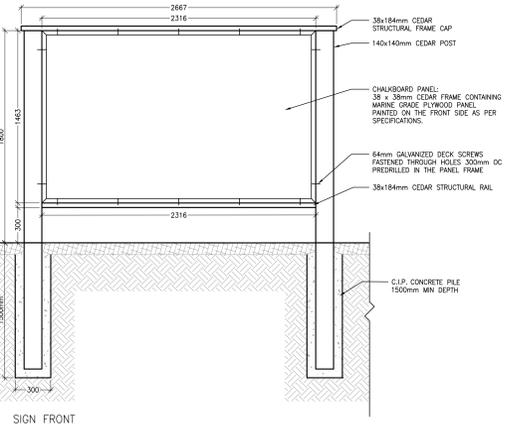
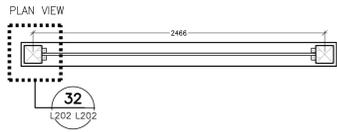
CLIENT REF # -  
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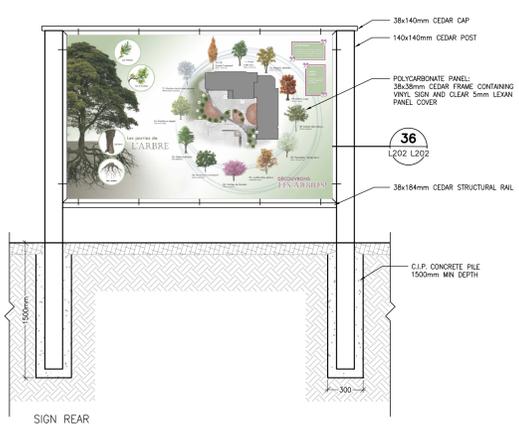
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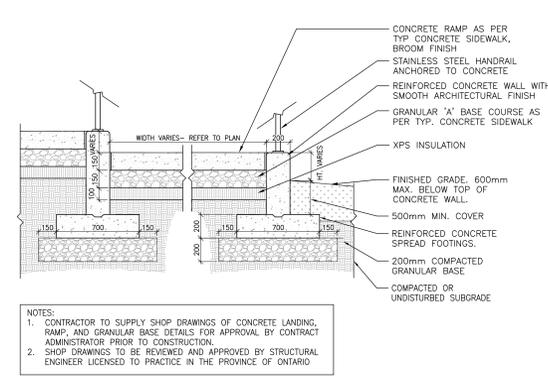
PROJECT NO: 219-00014-01	DATE: MARCH 2022
ORIGINAL SCALE: AS NOTED	IF THIS DRAWING IS NOT AT ORIGINAL SCALE:
DESIGNED BY: JAH	
DRAWN BY: SG	
CHECKED BY: JAH	
DISCIPLINE: LANDSCAPE	
TITLE: LANDSCAPE DETAILS	
SHEET NUMBER: L201	
DATE OF: -	BY #: 0



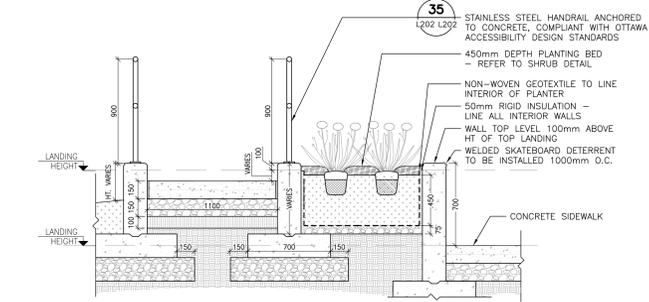
**31** OUTDOOR CHALKBOARD AND SIGN PANEL  
L104 L202 1:20



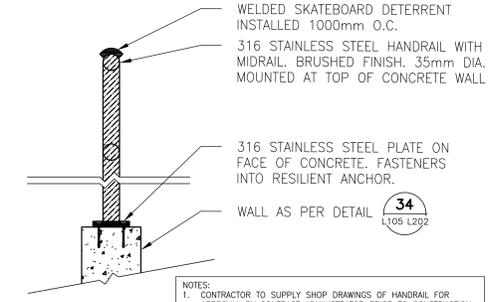
**32** CIP CONCRETE ACCESSIBILITY RAMP  
L105 L202 1:20



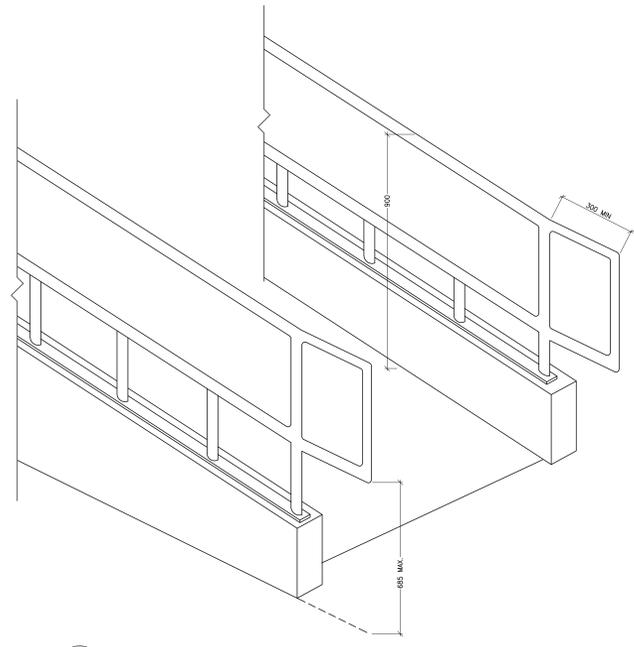
**33** CIP CONCRETE ACCESSIBILITY RAMP  
L105 L202 1:20



**34** CIP CONCRETE ENTRANCE RAMP PLANTER  
L105 L202 1:20



**35** TYP HANDRAIL AND CONNECTION TO CONCRETE WALL  
L202 L202 1:5



**36** RAILING HEIGHT AXONOMETRIC  
L105 L202 NTS

### LES PARTIES DE L'ARBRE

Les feuilles, Les branches, Le tronc, Les racines

**SAVIEZ-VOUS?**  
LES GRAINES ET LES BAIES DES ARBRES FOURNISSENT DE LA NOURRITURE POUR BEAUCOUP DES ANIMAUX, NOTAMMENT LES ÉCUREUILS, LES LAPINS ET LES CERFS.

**SAVIEZ-VOUS?**  
LES ÉRABLES À SUCRE PEUVENT VIVRE PLUS DE 400 ANS.

**DÉCOUVRONS LES ARBRES!**

- 01. Bouleau laciné semi-pleureur (*Betula pendula 'laciniata'*)
- 02. Érable norvégien (*Acer platanoides*)
- 03. Tilleul américain (*Tilia americana*)
- 04. Micocoulier occidental (*Celtis occidentalis*)
- 05. Gaiérier du Canada (*Cercis canadensis*)
- 06. Amélanancier glabre (*Amelanchier laevis*)
- 07. Pommier 'Spring Snow' (*Malus 'Spring Snow'*)
- 08. Sorbier des oiseaux (*Sorbus aucuparia*)
- 09. Chêne rouge (*Quercus rubra*)
- 10. Peuplier deltoïde (*Populus deltoides*)
- 11. Orme américain (*Ulmus americana*)
- 12-15. Érable 'Freemani' (*Acer x freemanii*)

**33** VINYL SIGNAGE EXAMPLE  
L202 L202 NTS

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PROJECT NO.	219-0001-H-01	DATE	MARCH 2022
ORIGINAL SCALE	AS NOTED	IF THIS BAR IS NOT FULFILLED, SCALE	
DESIGNED BY:	AH		
DRAWN BY:	SG		
CHECKED BY:	AH		
TITLE	LANDSCAPE		
TITLE	LANDSCAPE DETAILS		
SHEET NUMBER	L202		
SHEET #	0		
DATE OF			