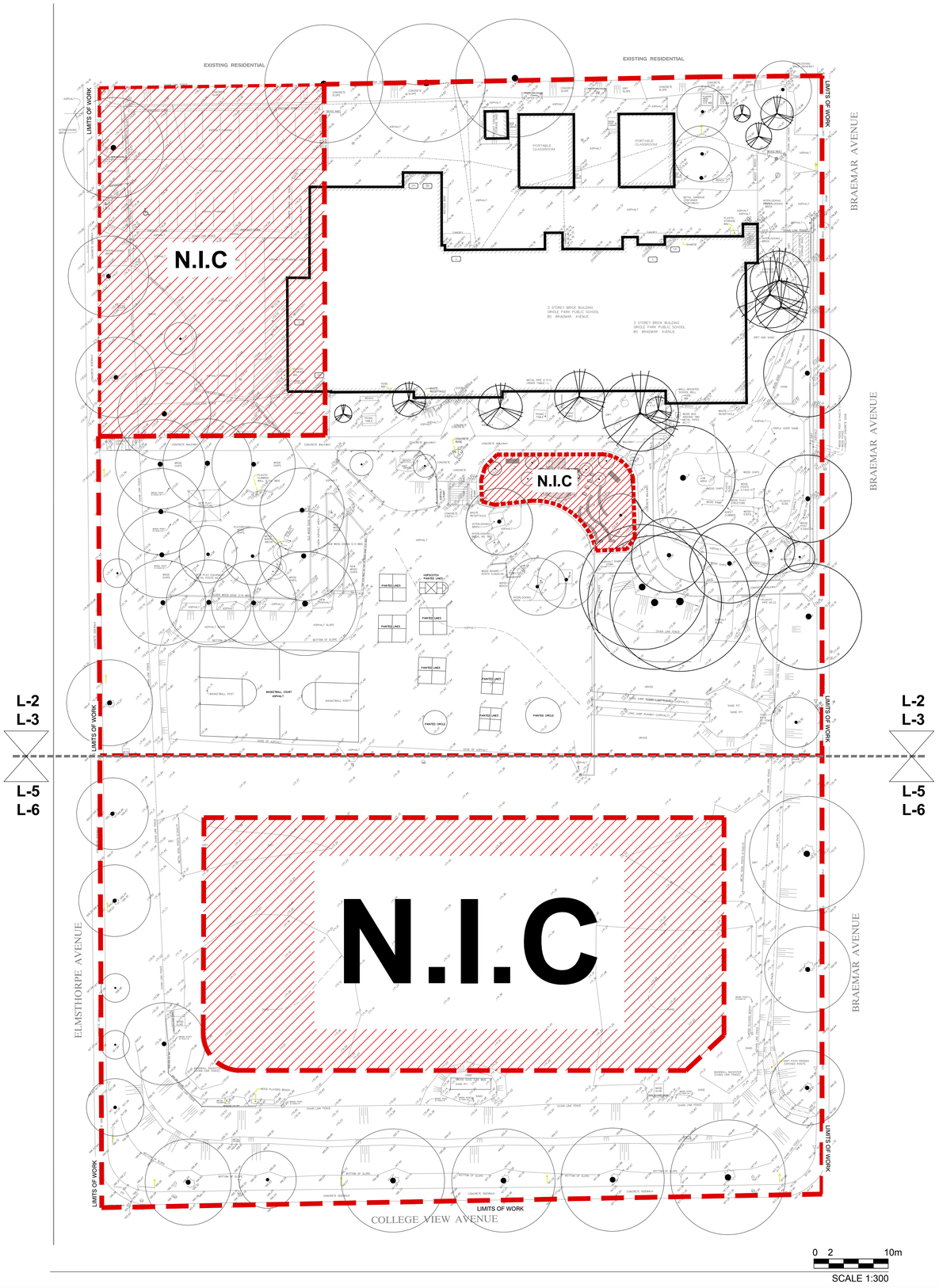

GENERAL NOTES

1. CONTRACTOR IS NOT TO PROCEED IN UNCERTAINTY.
2. AS AN INSTRUMENT OF SERVICE, THIS DRAWING IS THE PROPERTY OF CONTRACT ADMINISTRATOR. THIS DRAWING MUST BE RETURNED UPON REQUEST, AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT.
3. ALL DISCREPANCIES OR AMBIGUITY IN THE DRAWINGS, SPECIFICATIONS OR DETAILS IS TO BE REPORTED TO THE CONTRACT ADMINISTRATOR IMMEDIATELY FOR CLARIFICATION.
4. THIS DRAWING FORMS PART OF A SET AND MAY NOT BE SEPARATED. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS IN THE SET AND ALL SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
5. CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING SITE FEATURES UNLESS IDENTIFIED FOR REMOVAL OR DEMOLITION, INCLUDING ALL SURVEY BARS, STAKES AND MONUMENTS. CONTRACTOR IS TO REPAIR DAMAGE AT NO COST TO THE CITY OR TDSB.
6. ALL AREAS DISTURBED AS A RESULT OF CONSTRUCTION WORK ARE TO BE RESTORED AND REPAIRED AT NO COST TO THE CITY OR TDSB.
7. CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH LIMITS OF CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK ON THE SITE. CONTRACTOR TO CONTACT CONTRACT ADMINISTRATOR IN UNCERTAINTY.
8. CONTRACTOR IS RESPONSIBLE FOR LOCATION AND STAKING OF ALL UTILITIES PRIOR TO WORK COMMENCING ON THE SITE. CONTRACTOR IS NOT TO PLANT DIRECTLY ABOVE UNDERGROUND UTILITIES.
9. CONTRACTOR TO VISIT THE SITE TO CONFIRM ALL SITE CONDITIONS PRIOR TO SUBMITTING BIDS. AMBIGUITY OR DISCREPANCY TO BE REPORTED TO TDSB FOR CLARIFICATION.
10. DRAWINGS MAY NOT BE SCALED FOR APPROXIMATE LAYOUT. ALL MEASUREMENTS ARE METRIC. LAYOUT OF PLANT MATERIALS TO BE STAKED BY CONTRACTOR AND APPROVED BY CONTRACT ADMINISTRATOR PRIOR TO PLANTING.
11. CONTRACTOR SHALL SUPPLY ALL MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE WORK SHOWN ON THESE DRAWINGS, INCLUDING FOOTINGS, ANCHORING SYSTEMS AND HARDWARE. ANY DISCREPANCIES BETWEEN QUANTITIES SHOWN AND THE PLANT LIST SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR FOR DIRECTION.
12. DUE TO THE 'ORGANIC' DESIGN OF THE PLAYGROUND COMPONENTS, THE LAYOUT SHALL BE PRESENTED IN LOCI BY THE CONTRACTOR FOR APPROVAL BY THE CONSULTANT PRIOR TO THE COMMENCEMENT OF DIGGING AND INSTALLATION OF FOOTINGS OR FOUNDATIONS.
13. AT THE END OF EACH WORK DAY, ALL DEBRIS, GARBAGE AND SURPLUS MATERIALS ARE TO BE REMOVED FROM THE SITE. THE SITE IS TO BE KEPT CLEAN AND USEABLE AT ALL TIMES.
14. UPON FINAL COMPLETION OF THE PROJECT, ALL WORKMANSHIP AND MATERIALS ARE TO BE GUARANTEED FOR TWO FULL YEARS .
15. AT THE TIME OF FINAL INSPECTION ALL SODDED AREAS SHALL BE IN A HEALTHY, VIGOROUS GROWING CONDITION, IN FULL ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
16. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED AND SIGNED BY THE LANDSCAPE ARCHITECT.

DEMOLITION NOTES

1. THE INTENT OF THE DEMOLITION PLAN IS TO SHOW THE GENERAL NATURE OF THE DEMOLITION SCOPE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VISITING THE JOB SITE AND VERIFYING THE EXISTING CONDITION PRIOR TO BID. THE GENERAL CONTRACTOR SHOULD NOTIFY THE CONTRACT ADMINISTRATOR IMMEDIATELY IF ANY DISCREPANCIES.
2. ITEMS SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. REMOVE AND PROPERLY DISPOSE DESIGNATED ITEMS SHOWN ON THE PLAN TO THE FULL DEPTH OF THEIR CONSTRUCTION UNLESS OTHERWISE NOTED.
3. COMPLY WITH ALL APPLICABLE CODES, REGULATIONS AND SAFETY ORDERS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION.
4. NOISE DURING DEMOLITION AND CONSTRUCTION SHALL BE KEPT TO A MINIMUM.
5. ALL CONCRETE AND ASPHALT REMOVAL SHALL BE SAW CUT. EDGES OF MATERIAL TO REMAIN SHALL BE SHORED UP AND PROTECTED DURING CONSTRUCTION TO PRESERVE EDGE INTACT. REPAIRS TO DAMAGED EDGES TO BE DONE WITH CARE AND AT NO COST TO THE OWNER.
6. REMOVALS ALONG EXISTING CURBS, SIDEWALKS OR BUILDINGS MUST NOT UNDERMINE ZONE OF INFLUENCE (45º).
7. REMOVE AND RE-LOCATE TREES AS INDICATED ON THE PLANS. IF REQUIRED, TREE REMOVAL PERMIT TO BE PROVIDED BY TDSB.
8. REMOVAL OF STRUCTURES SUCH AS FENCING, WALLS, BENCHES, SIGNS AND RAILINGS TO INCLUDE REMOVAL OF FOOTINGS. AREAS WHERE FOOTINGS ARE REMOVED TO BE REPAIRED.
9. **REMOVE ALL GRANULAR BASE OF PAVING AREAS THAT ARE TO BE SODDED. IN AREAS WHERE NEW PAVING IS PROPOSED, GRANULAR MATERIAL MAY BE RETAINED IF DIRECTED BY DETAIL DRAWINGS AND, IF AVAILABLE, GEOTECHNICAL REPORT. COMPACTION OF EXISTING GRANULAR BASE REQUIRED AS INDICATED ON DETAIL DOCUMENTS.**
10. REMOVE DEMOLISHED MATERIALS FROM SITE. COMPLY WITH ALL LOCAL HAULING AND DISPOSAL REQUIREMENTS.
11. SEDIMENT CONTROL: COVER ALL CATCHBASINS WITH 6mm STEEL PLATE THAT IS FIRMLY SECURED TO THE CB GRATING WITH CLAMPS, SCREWS OR WIRES. COVER TO REMAIN IN PLACE UNTIL ROUGH PAVING IS COMPLETED. MAINTAIN GOOD HOUSEKEEPING TO PREVENT WATERBORNE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. IF THE CBS MUST BE USED FOR SITE DRAINAGE DURING CONSTRUCTION, THEY ARE TO BE COVERED WITH GEOTECH CLOTH WHICH IS HELD IN PLACE BY 150mm DEEP LAYER OF CLEAR STONE.
12. ALL EXCAVATED MATERIALS SHOULD NOT BE STOCKPILED. THEY MUST BE REMOVED FROM SITE IMMEDIATELY.
13. CONTRACTOR IS RESPONSIBLE TO CLEAN STREETS OF ANY SEDIMENT TRACKED FROM THE SITE ONTO THE MUNICIPAL RIGHT OF WAY..
14. CONTRACTOR TO CONTACT THE LOCAL UNDERGROUND SERVICE UPDATE FOR UTILITY LOCATION AND IDENTIFICATION PRIOR TO DEMOLITION.
15. THE GENERAL CONTRACTOR SHOULD NOTIFY THE CONTRACT ADMINISTRATOR IMMEDIATELY IF ANY CONFLICTS ARISE BETWEEN UTILITIES AND PROPOSED DESIGN BEFORE STARTING WORK.
16. CONTRACTOR TO MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. COORDINATE ALL DISRUPTIONS OR DISCONTINUATIONS OF UTILITIES AND SERVICES WITH TDSB REPRESENTATIVE.
17. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND BY HAND, IF NECESSARY. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OF DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AND AT NO EXPENSE TO TDSB.
18. DURING PERIOD OF CONSTRUCTION, CONTRACTOR TO PROVIDE AND INSTALL SITE PROTECTION FENCE AS PER TDSB STANDARDS.
19. ALL FINISHES, FEATURES OR SURFACES DAMAGED OR AFFECTED BY DEMOLITION OR CONSTRUCTION SHALL BE PATCHED AND REPAIRED TO MEET TDSB SATISFACTION AT NO ADDITIONAL COST.

GRADING NOTES

CONTRACTOR SHOULD ENSURE POSITIVE DRAINAGE THROUGHOUT SITE. ANY AREA WHICH APPEARS TO HAVE THE POTENTIAL FOR PONDING WATER SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR PRIOR TO PAVING OR LANDSCAPING OPERATIONS. ANY AREA WHICH PONDS AFTER PAVING AND/OR LANDSCAPING OPERATIONS TAKE PLACE WILL BE REMOVED AND CORRECTED AT THE CONTRACTOR'S EXPENSE.

TEMPORARY EROSION AND SEDIMENTATION CONTROL

1. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
2. INSPECT, REPAIR, AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
3. REMOVE EROSION AND SEDIMENTATION CONTROLS AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.

VERIFICATION OF CONSTRUCTED ROUGH GRADE

4. ALLOW FOR MINOR ADJUSTMENTS TO ROUGH GRADE, ELIMINATING UNEVEN AREAS AND LOW SPOTS, ENSURING POSITIVE DRAINAGE.
5. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN O PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOBILIZED ONTO SITE.
6. NEW GRADES TO MEET FLUSH AND BLEND INTO EXISTING GRADES AT PROJECT LIMIT.
7. CONTRACTOR SHALL NOT WILL FULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN UNFORESEEN OBSTRUCTIONS AND/OR GRADE DISCREPANCIES EXIST. SUCH CONDITIONS SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR NECESSARY REVISIONS IF FAILS TO GIVE NOTICE PRIOR TO CONSTRUCTION COMMENCEMENT.
8. CONTRACTOR TO ENSURE THERE ARE NO CONFLICTS BETWEEN INLET LOCATIONS AND UNDERGROUND FOOTINGS AND UTILITIES.
9. REMOVE DEBRIS, ROOTS, BRANCHES, STONES IN EXCESS OF 50 MM DIAMETER AND OTHER DELETERIOUS MATERIALS.
10. REMOVE SOIL CONTAMINATED WITH CALCIUM CHLORIDE, TOXIC MATERIALS AND PETROLEUM PRODUCTS IF IT WAS CONTAMINATED FROM THE TIME OF ROUGH GRADE ACCEPTANCE.
11. REMOVE DEBRIS WHICH PROTRUDES MORE THAN 50mm ABOVE SURFACE.
12. DISPOSE OF REMOVED MATERIAL OFF SITE.
13. CULTIVATE ENTIRE AREA WHICH IS TO RECEIVE TOPSOIL TO MINIMUM DEPTH OF 100mm.
14. CROSS CULTIVATE THOSE AREAS WHERE EQUIPMENT USED FOR HAULING AND SPREADING HAS COMPACTED SOIL.

PLACING AND SPREADING OF TOPSOIL/PLANTING MIXTURE

15. PLACE TOPSOIL AFTER TDSB HAS ACCEPTED SUBGRADE.
16. SPREAD TOPSOIL IN UNIFORM LAYERS NOT EXCEEDING 150mm.
17. FOR SODDED AREAS KEEP TOPSOIL 15mm BELOW FINISHED GRADE.
18. SPREAD TOPSOIL TO FOLLOWING MINIMUM DEPTHS AFTER SETTLEMENT.
- 150mm FOR SEEDED AREAS.
- 135mm FOR SODDED AREAS.
19. PLACE REQUIRED DEPTH OF PLANTING MIXTURE FOR CONTINUOUS PLANTING BEDS AND TREE PITS AS INDICATED ON THE DETAILS.
20. MANUALLY SPREAD TOPSOIL/PLANTING SOIL AROUND TREES, SHRUBS AND OBSTACLES.

SOIL AMENDMENTS

21. FOR SPECIALTY AREAS NOTED ON PLAN OR DESIGNATED IN THE SOIL TEST RESULTS, APPLY AND THOROUGHLY MIX SOIL AMENDMENTS INTO THE FULL SPECIFIED DEPTH OF TOPSOIL AT RECOMMENDED RATES.

FINISH GRADING

22. GRADE TO ELIMINATE ROUGH SPOTS AND LOW AREAS AND ENSURE POSITIVE DRAINAGE.
23. PREPARE LOOSE FRIABLE BED BY MEANS OF CULTIVATION AND SUBSEQUENT RAKING.
24. CONSOLIDATE TOPSOIL TO REQUIRED BULK DENSITY USING EQUIPMENT APPROVED BY LANDSCAPE ARCHITECT.
25. LEAVE SURFACES SMOOTH, UNIFORM AND FIRM AGAINST DEEP FOOTPRINTING.

ACCEPTANCE

26. TDSB WILL DETERMINE ACCEPTANCE OF MATERIAL, DEPTH OF TOPSOIL AND FINISH GRADING.

SURPLUS MATERIAL

27. DISPOSE OF MATERIALS EXCEPT TOPSOIL NOT REQUIRED OFF SITE.

CLEANING

28. UPON COMPLETION OF INSTALLATION, REMOVE SURPLUS MATERIALS, RUBBISH, TOOLS AND EQUIPMENT BARRIERS.

SEPARATE ITEMS:

- ADDITIONAL ITEMS ARE NOT SEEN ON PLAN BUT ARE LABELED ON L-4. THESE ITEMS ARE TO BE PRICED SEPARATELY.
- SEE SEPARATE ITEM DETAILS ON PAGE D-6

NOTES:
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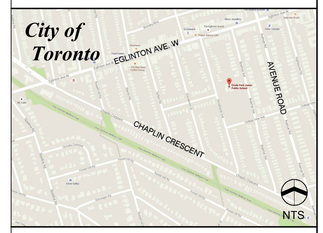
KEY PLAN



LIMITS OF WORK

NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT:
tdsb
Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

SHEET TITLE:
EXISTING CONDITIONS & NOTES

DWG No: L-1

SCALE: 1:300
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 1 of 14

STAMP:
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
Haig Seferian
OALA
MEMBER

NORTH

PRINT DATE: Monday April 16, 2018

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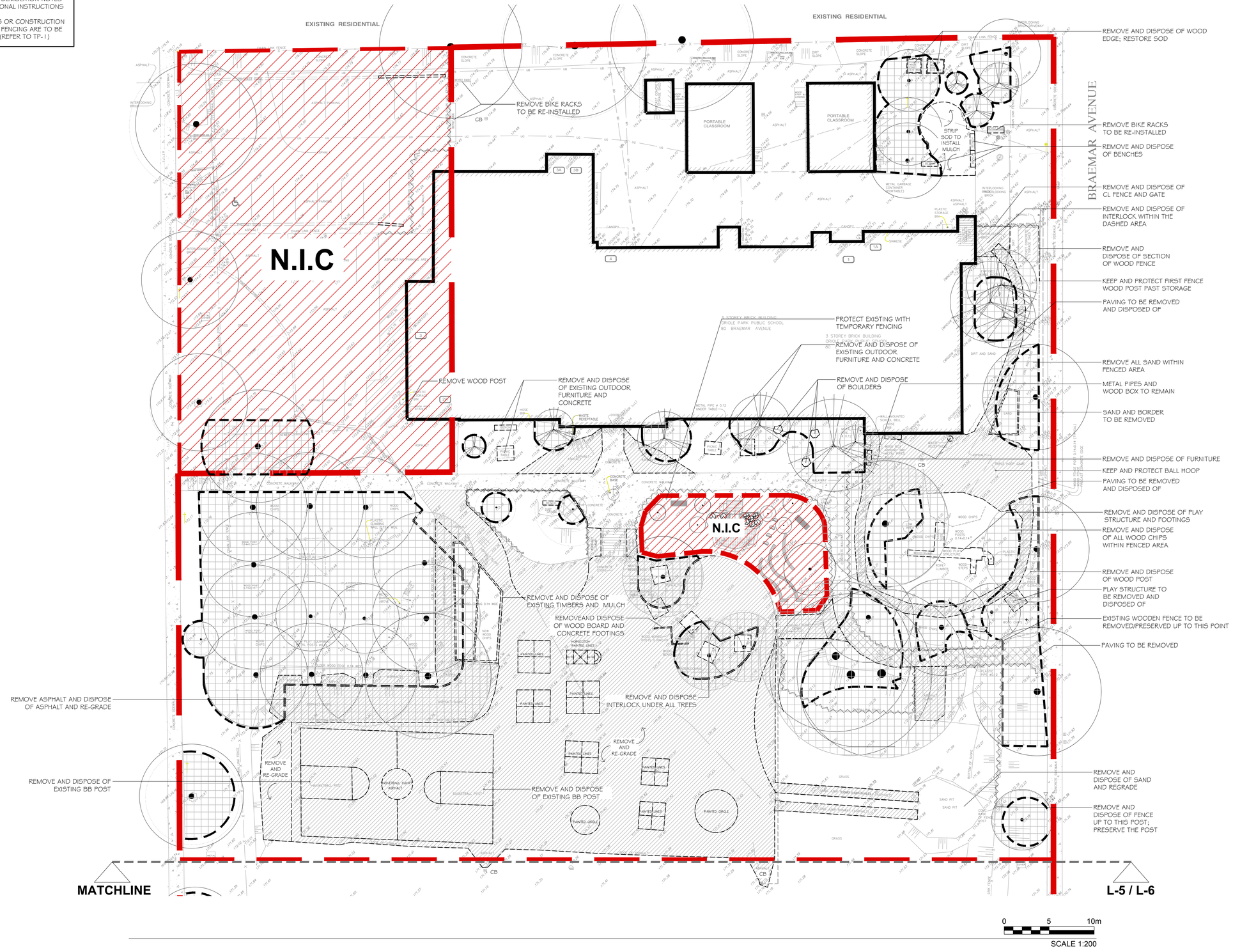
NOTE:

- REFER TO DEMOLITION NOTES FOR ADDITIONAL INSTRUCTIONS

- ALL AREAS OR CONSTRUCTION WITHIN TPZ FENCING ARE TO BE HAND DUG (REFER TO TP- 1)



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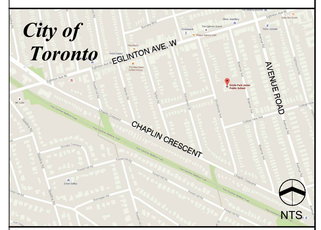

LEGEND

- TREE PROTECTION FENCING - REFER TO D-1
- ITEM TO BE REMOVED / DEMOLISHED
- CHAINLINK / WOOD FENCE AND GATES TO BE REMOVED
- ITEM TO BE REMOVED / DEMOLISHED
- HAND DIG AREAS
- ASPHALT PAVING TO BE REMOVED
- CONCRETE PAVING TO BE REMOVED
- EXISTING CONCRETE PAVING
- DECIDUOUS TREE TO REMAIN
- CONIFEROUS TREE TO REMAIN
- DECIDUOUS TREE TO BE REMOVED
- CONIFEROUS TREE TO BE REMOVED
- DECIDUOUS TREE TO BE RE-LOCATED
- DECIDUOUS TREE NEW LOCATION

NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT:
tdsb
Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

SHEET TITLE:
DEMOLITION PLAN

DWG No: L-2

SCALE: 1:200
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 2 of 14

STAMP:
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
Haig Seferian
OALA
MEMBER

NORTH

PRINT DATE: Monday April 16, 2018

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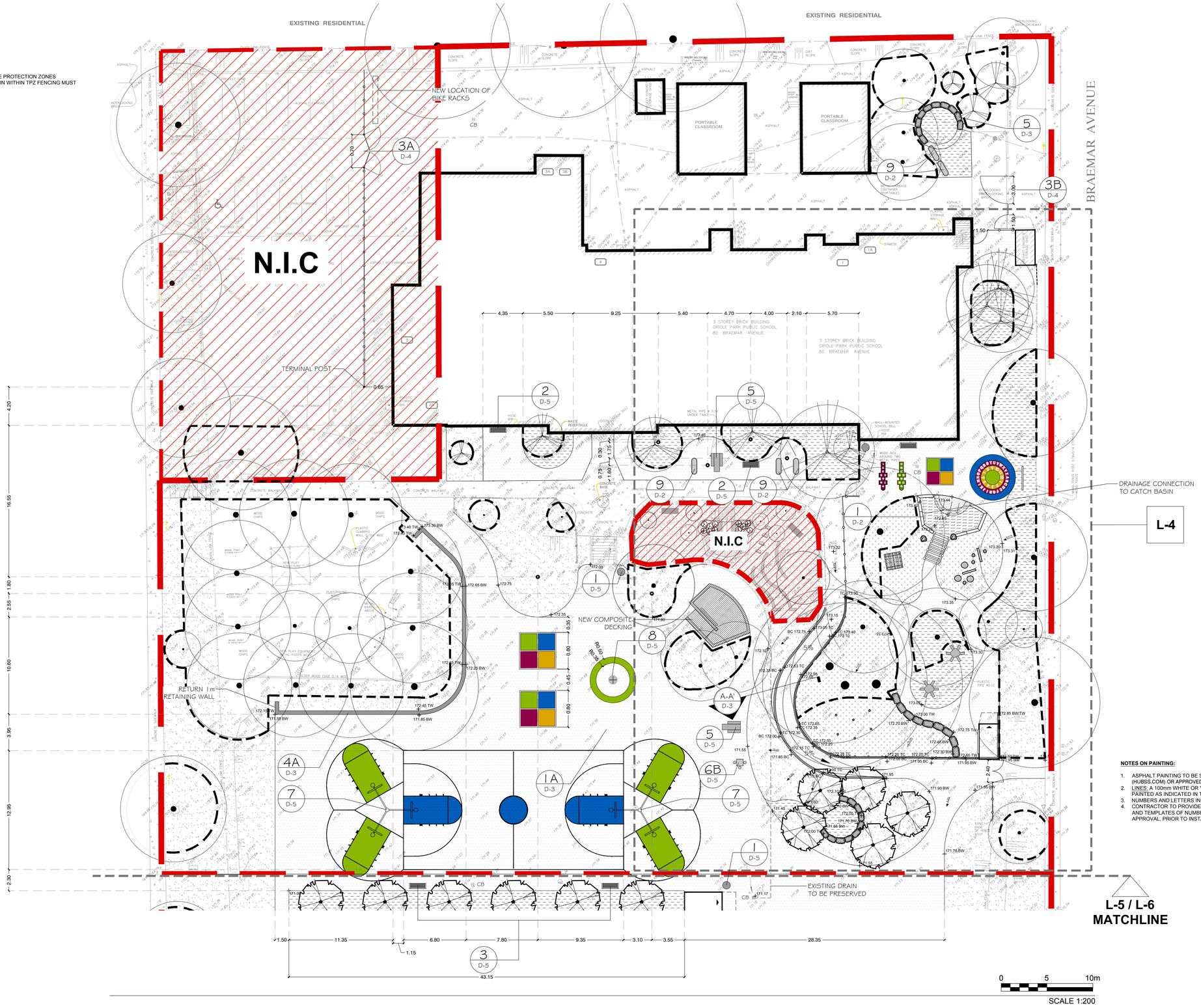
NOTES :

1. REFER TO TP-1 FOR ALL TREE PROTECTION ZONES
2. ALL AREAS OF CONSTRUCTION WITHIN TPZ FENCING MUST BE HAND DUG



NOTES ON PAINTING:

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2. LINES: A 100mm WHITE OR YELLOW STRIPE SHALL BE PAINTED AS INDICATED IN THE PLAN.
3. NUMBERS AND LETTERS IN WHITE
4. CONTRACTOR TO PROVIDE SAMPLES OF PAINT COLOURS AND TEMPLATES OF NUMBERS AND LETTERS FOR APPROVAL, PRIOR TO INSTALLATION.

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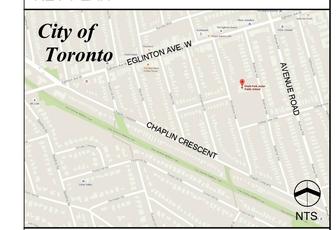

LEGEND

- NEW CL FENCE
- DRAINAGE CONNECTION
- LIMITS OF WORK
- TREE PROTECTION ZONE FENCING
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO REMAIN
- PROPOSED NEW DECIDUOUS TREE
- SOD - ALL DISTURBED AREAS TO BE RE-SODDED AS REQUIRED DUE TO DEMOLITION OR GRADING REVISIONS
- MULCH - 75mm REFER TO TREE PLANTING FOR ADDITIONAL INFORMATION
- ENGINEERED WOOD FIBER - 300mm REFER TO DETAILS FOR ADDITIONAL INFORMATION
- EXISTING CONCRETE PAVING
- NEW ASPHALT
- CENTER OF RADIUS

PAINT COLOUR GUIDE

RED | ORANGE | YELLOW | BLUE | GREEN

NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT:

tdsb
Toronto District School Board

PROJECT TITLE:

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SHEET TITLE:

LANDSCAPE PLAN

DWG No: L-3

SCALE: 1:200
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 4 of 14

STAMP: ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — Haig Seferian — OALA — MEMBER

NORTH

PRINT DATE: Monday April 16, 2018

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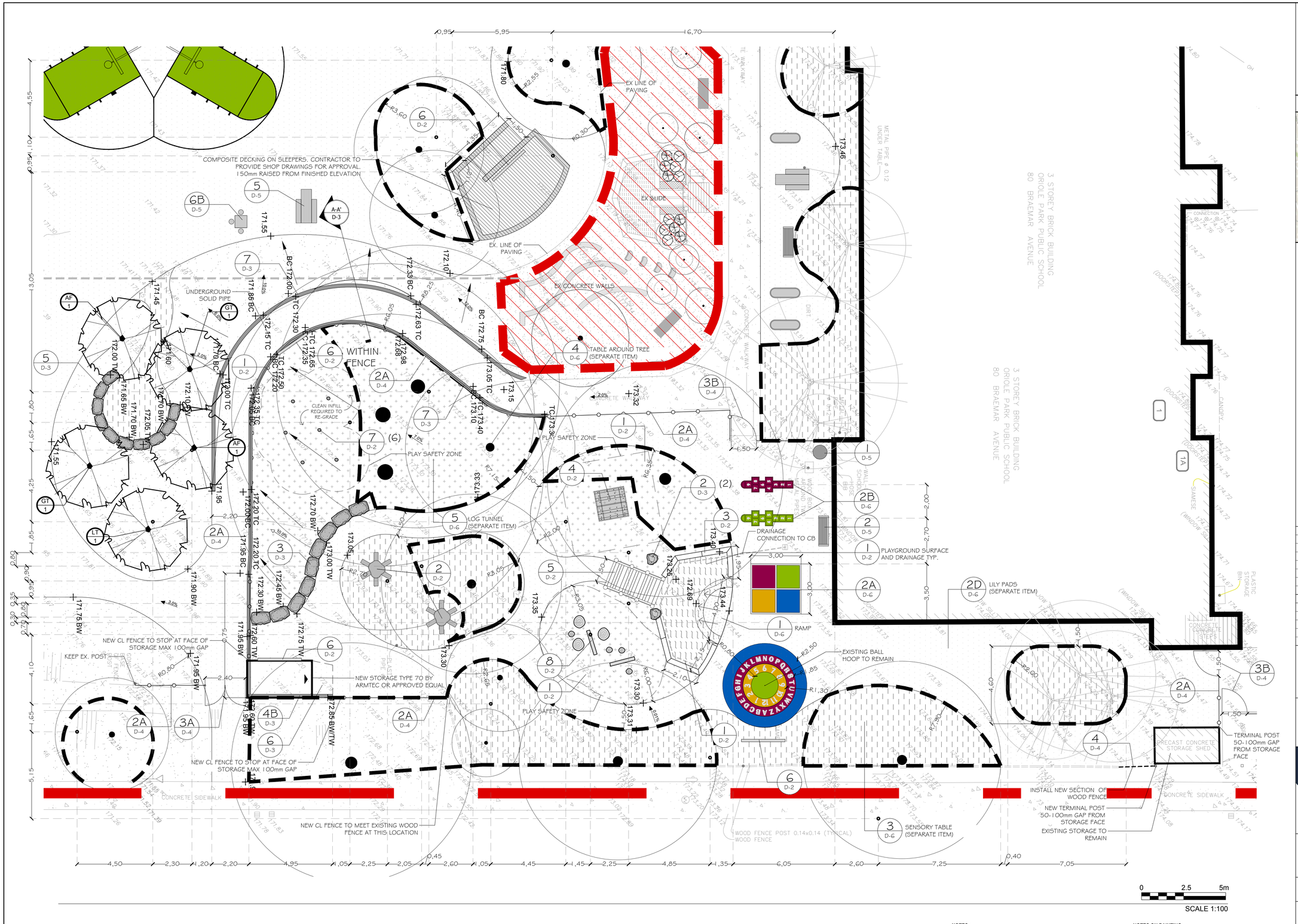

NOTES :

1. REFER TO TP-1 FOR TREE PROTECTION ZONE FENCING.
2. ALL AREAS OF CONSTRUCTION WITHIN TPZ FENCING MUST BE HAND DUG

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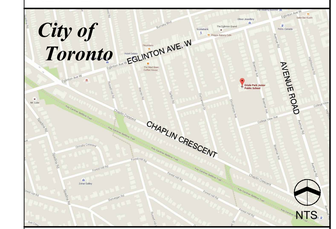

LEGEND

- NEW CL FENCE
- DRAINAGE CONNECTION REQUIRED
- LIMITS OF WORK
- TREE PROTECTION ZONE FENCING (HAND DIG AREAS)
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO REMAIN
- PROPOSED NEW DECIDUOUS TREE
- SOD - ALL DISTURBED AREAS TO BE RE-SODDED AS REQUIRED DUE TO DEMOLITION OR GRADING REVISIONS
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- CENTER OF RADIUS

PAINT COLOUR GUIDE

RED | ORANGE | YELLOW | BLUE | GREEN

NO.	REVISIONS	DATE:
5		

NO.	ISSUED	DATE:
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CLIENT:

tdsb
Toronto District School Board

PROJECT TITLE:

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905.634.3110 | seferiandesign.com

SHEET TITLE:

LANDSCAPE PLAN
FDK AREA

DWG No: L-4

SCALE: 1:100
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 4 of 14

STAMP: Haig Seferian OALA MEMBER ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS

NORTH

PRINT DATE: Monday April 16, 2018

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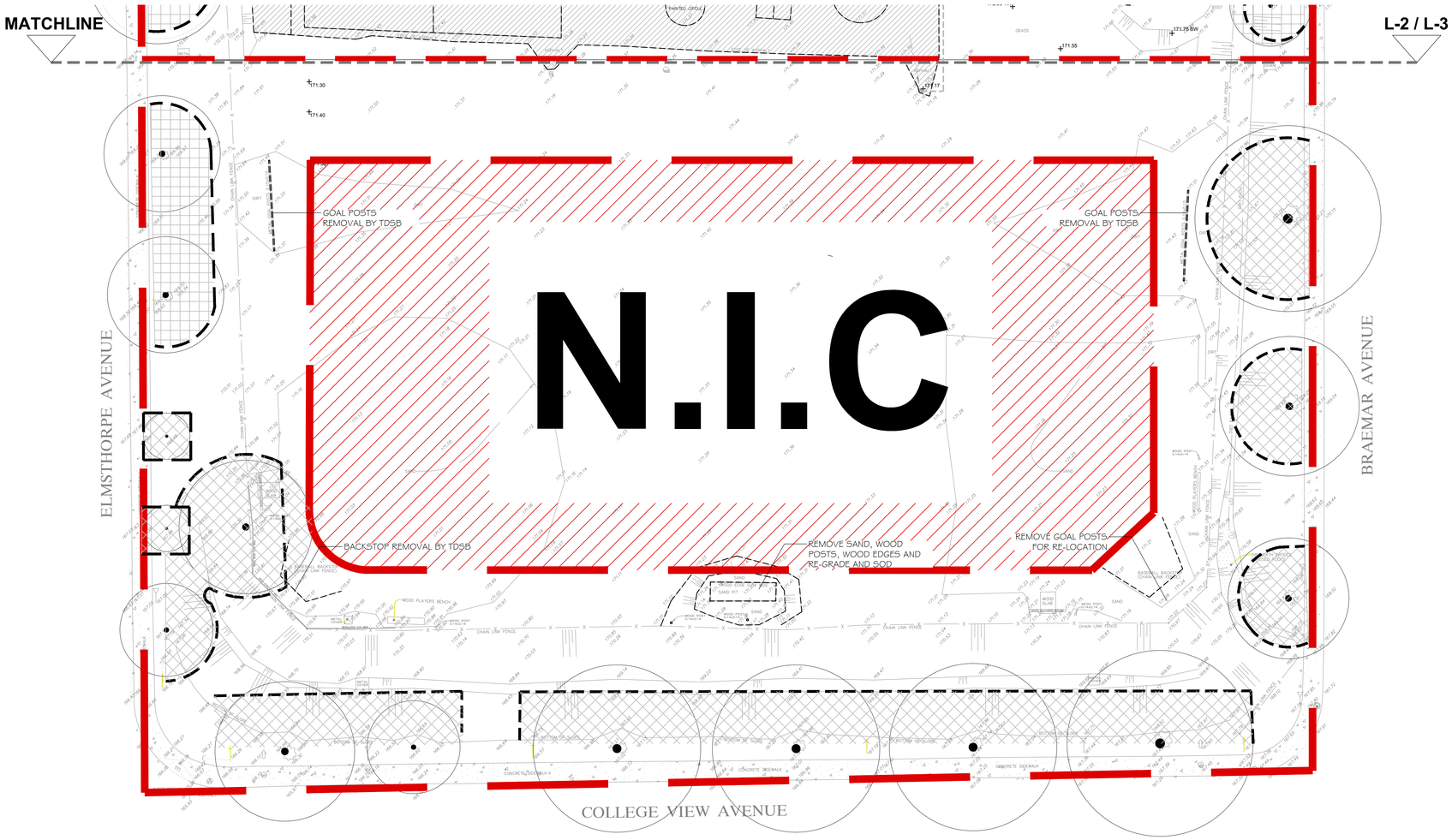

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SCALE 1:200

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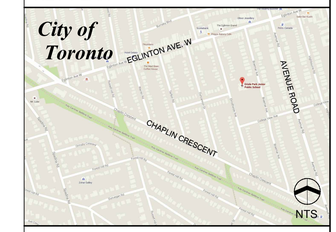
KEY PLAN



NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT:
tdsb
Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

SHEET TITLE:
DEMOLITION PLAN

DWG No: L-5

SCALE: 1:200
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: G of 14

STAMP:
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
Haig Seferian
OALA
MEMBER

NORTH

PRINT DATE: Monday April 16, 2018

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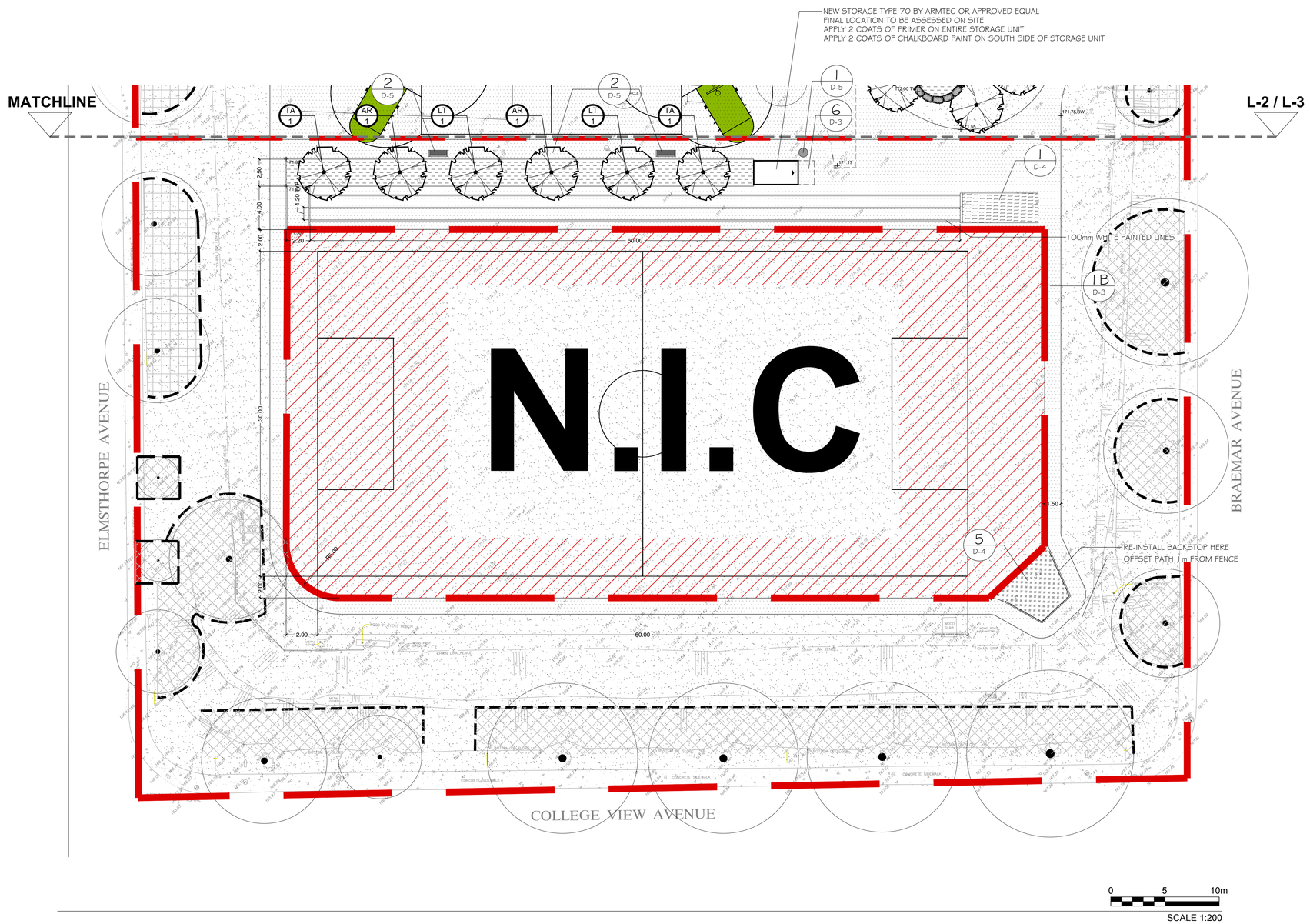
NOTES:

1. PATH GRADES TO FOLLOW EXISTING GRADES AROUND FIELD. CROSS SLOPE TO BE 2%.
2. REPAIR AREAS WHERE SOD IS DISTURBED.
3. SOD AREAS PRESENTLY COVERED WITH SAND OR DIRT.



NOTES ON PAINTING:

1. ASPHALT PAINTING TO BE STREETBOND® BY HUB (HUBSS.COM) OR APPROVED EQUAL.
2. LINES: A 100mm WHITE OR YELLOW STRIPE SHALL BE PAINTED AS INDICATED IN THE PLAN.
3. NUMBERS AND LETTERS IN WHITE
4. CONTRACTOR TO PROVIDE SAMPLES OF PAINT COLOURS AND TEMPLATES OF NUMBERS AND LETTERS FOR APPROVAL, PRIOR TO INSTALLATION.

NOTES:
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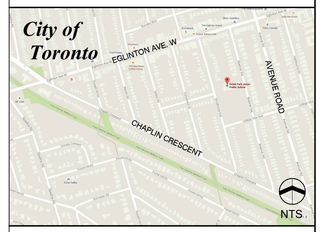

LEGEND

- NEW CL FENCE
- DRAINAGE CONNECTION
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO REMAIN
- PROPOSED NEW DECIDUOUS TREE
- SOD - ALL DISTURBED AREAS TO BE RE-SODDED AS REQUIRED DUE TO DEMOLITION OR GRADING REVISIONS
- MULCH - 75mm REFER TO TREE PLANTING FOR ADDITIONAL INFORMATION
- SAND REFER TO DETAILS FOR ADDITIONAL INFORMATION
- LIMESTONE SCREENINGS REFER TO DETAILS FOR ADDITIONAL INFORMATION
- EXISTING CONCRETE PAVING
- NEW ASPHALT

NO.	REVISIONS	DATE:

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SHEET TITLE:
LANDSCAPE PLAN

DWG No: L-7

SCALE: 1:200
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 7 of 14
NORTH

STAMP:
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
Haig Seferian
OALA
MEMBER

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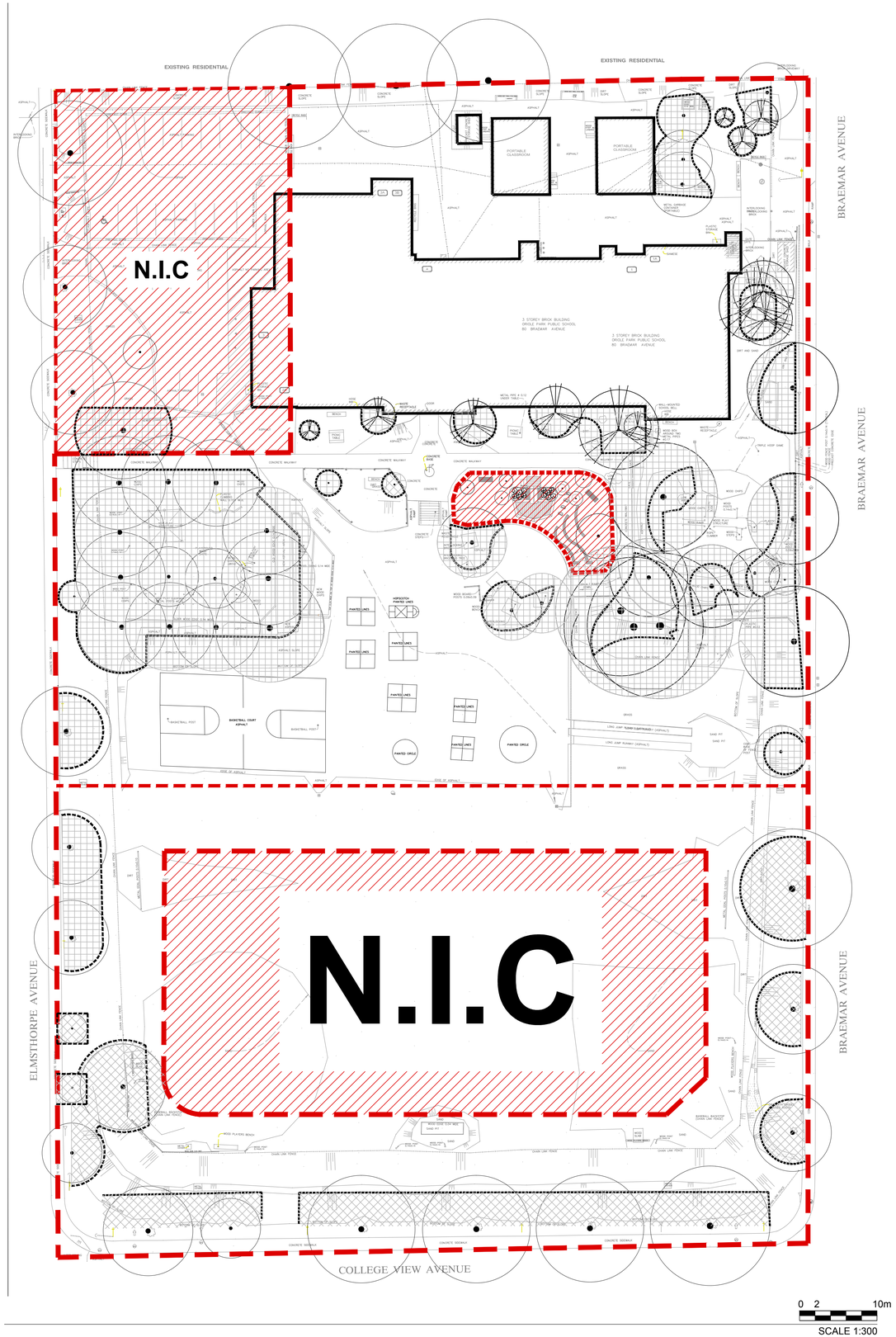
PRINT DATE: Monday April 16, 2018



NOTE:

DUE TO SITE CONSTRICTIONS, CONTRACTOR TO ARRANGE THAT A CERTIFIED ARBORIST IS ON SITE TO MONITOR THE INSTALLATION OF THE TREE PROTECTION FENCE.

NOTES :

1. ALL AREAS OF CONSTRUCTION WITHIN TPZ FENCING MUST BE HAND DUG

NOTES:

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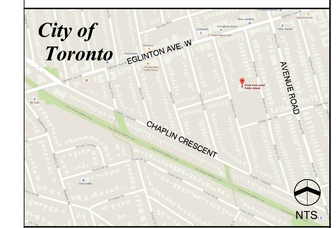

LEGEND

TREE PROTECTION ZONE FENCING

HAND DIG ONLY AREA

NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
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2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

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SHEET TITLE:

TREE PROTECTION PLAN

DWG No: TP-1

SCALE: 1:300
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 7 of 14

STAMP:

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
Craig Seferian
OALA
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PRINT DATE: Monday April 16, 2018

TREE PRESERVATION NOTES

1. This drawing is to be read in conjunction with the Demolitions Plan.
2. The Contractor shall check and verify all dimensions and conditions on the project.
3. Any discrepancies in this drawing or accompanying details are to be reported to the Landscape Architect / or Engineer. Contractor is not to proceed in uncertainty.
4. The Contractor is to be aware of all existing and proposed services and utilities. The Contractor shall check all underground services and utility lines staked by each agency having jurisdiction prior commencing the work.
5. All trees located within the project area shall be preserved. In the event that any trees designated for preservation located within the project area or on adjacent properties are damaged or killed by the actions of a Contractor or their agents/sub-contractors, the Contractor will be responsible for the replacement of the destroyed plant material with material of equal and value and comparable species to the satisfaction of the TDSB representative.
6. No grade changes shall occur within tree protection zone unless otherwise noted.
7. Trees shall not have any rigging cables or hardware of any sort attached or wrapped around them, nor shall any contaminants be dumped within the protective areas. Furthermore, no contaminants shall be dumped or flushed where they may come in contact with the feeder roots of the trees.
8. The Contractor will take every precaution to prevent damage to trees or shrubs. The Contractor will take every precaution to protect plant and root systems from damage, compaction and contamination resulting from the construction to the satisfaction of the TDSB representative.
9. Any roots or branches which extend beyond the tree protection zone(s) indicated on this plan which require pruning, must be pruned by a Certified Arborist or other tree professional as approved by municipal representative. All pruning of tree roots and branches must be in accordance with good arboricultural standards.
10. In the event that it is necessary to remove limbs or portions of trees after construction has commenced, to accommodate construction, the TDSB representative is to be informed and the removal is to be executed carefully and in full accordance with arboricultural techniques by a certified arborist in accordance with current ISA standards and good arboricultural practices.
11. The Contractor is required to install all tree protection fences first and obtain approval by the TDSB representative prior to undertaking any vegetation clearing, demolition and grading works on site.
12. Trees identified for removal shall be cut and removed off site. All wood chips shall be hauled and disposed off site.
13. All tree removals must be completed outside of nesting season which will extend from May 1st to July 1st.

DURING CONSTRUCTION:

14. Maintain tree protection fencing and the TPZ throughout the entire construction period.
15. During excavation operations in which roots are affected, the Contractor is to prune all exposed roots cleanly. Prune ends to point obliquely downwards. The exposed roots should not be allowed to dry out, and the Contractor shall discuss watering the roots with the TDSB representative so that the roots shall maintain optimum soil moisture during and construction and backfilling operations. Backfilling must be with clean uncontaminated topsoil from an approved source.
16. Areas within the dripline of the trees designated for preservation are not to be used for any type of storage (i.e. storage of debris, construction material, surplus soils, and construction equipment). No trenching or tunneling for underground services shall be located within the tree protection zone or dripline of trees designated for preservation within or adjacent to construction zone.
17. Any grading required within the tree protection zone for any tree must be completed by hand under the site supervision of the TDSB representative and or a designated Arborist.

POST-CONSTRUCTION:

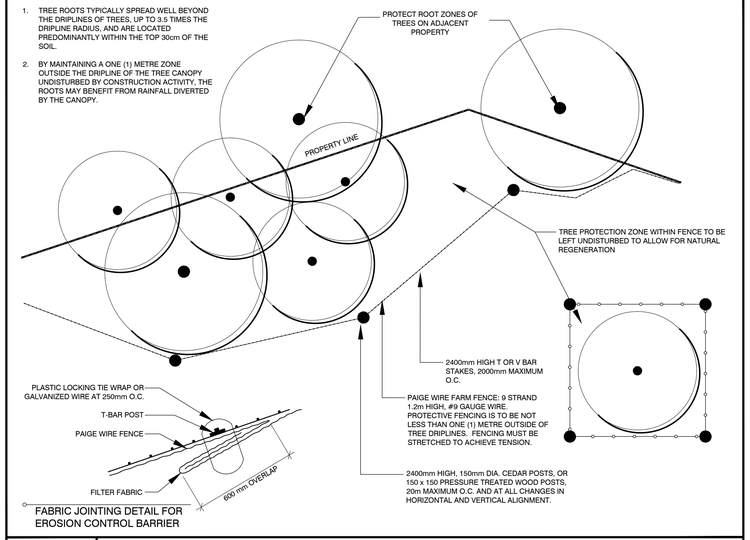
1. After construction, remove all protective material & begin a care and feeding program for trees as required.
2. One year following construction the contractor will prune out all dead, dying or unsafe wood. Only qualified experienced personnel under the direction of an accredited Arborist will perform this work.
3. Areas where root systems are directly exposed shall have roots pruned in accordance with good horticultural practices and then back filled with good native loam soil. This will be reviewed with a consulting Arborist if required.
4. Damaged trees must be immediately repaired at Contractor's expense under the direction of the TDSB representative.
5. All trees to be preserved will be monitored by the TDSB representative during the construction period and for a period of two years following construction.

ESTABLISHMENT OF TREE PROTECTION ZONE, BARRIERS & FENCING

1. Where trees located within the project area that it has been determined the feasibility for preservation is good, tree protection barriers are proposed to establish a tree protection zone (refer to Demolitions Plan). All trees located on adjacent properties shall be preserved.
2. The tree protection zone shall be established by the installation of tree protection fencing. The Demolitions Plan indicates the layout of the fencing. The tree protection fencing shall follow municipal guidelines and/or requirements unless stated otherwise within the tree protection details.
3. Tree preservation fencing shall be installed prior to the removal of any components in order to protect existing trees. This tree protection fencing is to be in place for all phases of construction and shall be placed as per plan and details. The contractor shall notify the TDSB representative prior to commencing any construction activities to confirm that the tree protection barriers are in place.
4. All supports and bracing used to safely secure the barrier should be located outside the tree protection zone. All supports and bracing should minimize damage to roots.
5. Where some fill or excavated material must be temporarily located near the tree protection zone, a wooden barrier must be used to ensure no material(s) enters the tree protection zone.

NOTES:

1. TREE ROOTS TYPICALLY SPREAD WELL BEYOND THE DRIPLINES OF TREES, UP TO 3.5 TIMES THE DRIPLINE RADIUS, AND ARE LOCATED PREDOMINANTLY WITHIN THE TOP 30cm OF THE SOIL.
2. BY MAINTAINING A ONE (1) METRE ZONE OUTSIDE THE DRIPLINE OF THE TREE CANOPY UNDISTURBED BY CONSTRUCTION ACTIVITY, THE ROOTS MAY BENEFIT FROM RAINFALL DIVERTED BY THE CANOPY.



1	TREE PROTECTION FENCING INSTALLATION DETAIL PLAN VIEW	NTS

LIMITATIONS OF ASSESSMENT

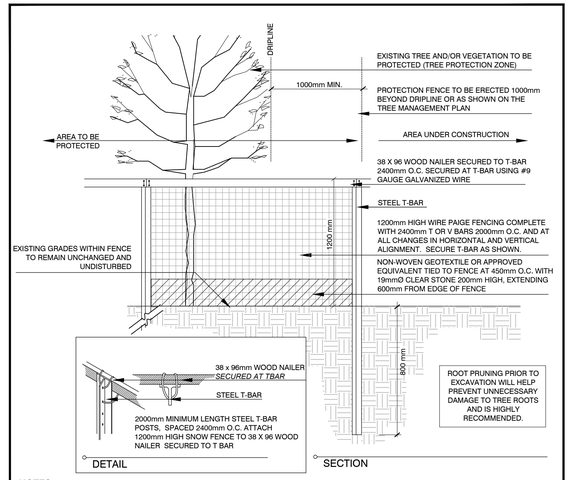
It is Seferian Design Group policy to attach the following clause regarding limitations. We do this to ensure that the all interested parties are aware of what is technically and professionally realistic in retaining trees.

The assessment of the trees presented on these plans has been made using accepted arboricultural techniques. Specifically, we conducted a visual examination of all the above ground parts of the tree for: structural defects; scars; external indications of decay such as fungal fruiting bodies; evidence of attack by insects; discoloured foliage; the condition of any visible root structures; and the degree and direction of lean (if any). We also noted the general condition of the trees and the surrounding site, and the proximity of property and people. Except where specifically noted, the trees were not cored, probed or climbed and there was no detailed inspection of the root crowns involving excavations.

Notwithstanding the recommendations and conclusions made on these plans and corresponding reports (if applicable), must be recognized that trees are living organisms, and their health and vigour constantly changes over time. They are not immune to changes in site conditions or seasonal variations in the weather conditions.

While reasonable efforts have been made to ensure that the trees recommended for retention are healthy, no guarantees are offered, or implied, that these trees or any of their parts will remain standing. It is both professionally and practically impossible to predict with absolute certainty the behaviour of any single tree or its component parts under all circumstances. Inevitably, a standing tree will always pose some level of risk. Most trees have the potential for failure under adverse weather conditions, and the risk can only be eliminated if the tree is removed.

Although every effort has been made to ensure that this assessment is reasonably accurate, the trees should be re-assessed periodically. The assessment presented on these plans and in corresponding reports (if applicable) are valid at the time of inspection.



NOTES:

1. ATTACHMENT OF FENCE TO TREES TO BE PRESERVED IS NOT ALLOWED. ENSURE FENCE IS LOCATED BEYOND THE DRIP LINE OF TREES TO BE PRESERVED.
2. PLASTIC PROTECTION FENCE IS ACCEPTABLE FOR SHORT TERM PROJECTS (UP TO 2 MONTHS LONG).
3. ANY EXPOSED ROOTS ARE TO BE HAND PRUNED TO THE SATISFACTION OF THE PROJECT ARBORIST.
4. UNDER NO CIRCUMSTANCES SHALL ANY CONSTRUCTION MATERIALS, EQUIPMENT OR VEHICLES BE PLACED WITHIN THE TREE PROTECTION ZONE.
5. ALL TREE PROTECTION TO BE ERECTED PRIOR TO ANY CONSTRUCTION ACTIVITY AND IS TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS BEEN COMPLETED. OBTAIN WRITTEN APPROVAL FROM CONTRACT ADMINISTRATOR PRIOR TO REMOVAL OF FENCING.

2	TREE HOARDING - PAIGE WIRE FENCE DRIPLINE PLUS 1.0m

THE FOLLOWING IS A CHART SHOWING THE MINIMUM REQUIRED DISTANCES FOR DETERMINING A TREE PROTECTION ZONE

Tree Protection Zones

Diameter of Trunk Centimetres at 1.4 m above grade (DBH)	**Minimum Tree Protection Zone (TPZ)** Distance from trunk, measured in metres.[1]	**Potential Rooting Area (PRA) for all trees and TPZ for trees in NHS, parks, open spaces and other significant natural heritage areas.**
<10	1.2	2.4
10-29	1.8	3.6
30-40	2.4	4.8
41-50	3.0	6.0
51-60	3.6	7.2
61-70	4.2	8.4
71-80	4.8	9.6
81-90	5.4	10.8
91-100	6.0	12.0
>100	6 cm per 1 cm DBH	12 cm per 1 cm DBH

NOTES:

1. THE TREE PROTECTION ZONE (TPZ) AND CRITICAL ROOT ZONE (CRZ) DISTANCES ARE TO BE MEASURED FROM THE OUTSIDE EDGE OF THE TREE BASE TO THE DRIP LINE.THE FOLLOWING IS A CHART SHOWING THE MINIMUM REQUIRED DISTANCES FOR DETERMINING A TREE PROTECTION ZONE.
2. WHERE WORK IS BEING PERFORMED BEYOND THE TREE PROTECTION ZONE (TPZ) BUT WITHIN THE CRITICAL ROOT ZONE (CRZ), THE WORKS ARE SUBJECT TO THE FOLLOWING SPECIFICATIONS:
   - ROOT PRUNING BY ROTARY SAW TO A DEPTH OF 300mm
   - ROOTS ARE TO BE CUT A MAXIMUM OF 300mm FROM THE EDGE OF EXCAVATION (GRADING OR REMOVALS).
   - THE LIMIT EXCAVATION, GRADING OR REMOVALS IS TO BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE, AND IS TO INCLUDE THE USE OF EXCAVATION SHORING, SMALLER EXCAVATION EQUIPMENT, OR RUBBER TIRED MACHINES.

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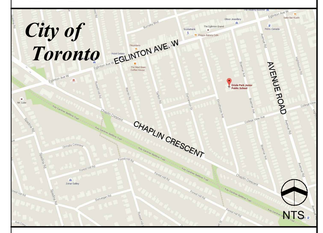

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SHEET TITLE:
TREE PROTECTION DETAILS

DWG No: TP-2

SCALE: AS NOTED
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 8 of 14
NORTH

STAMP: ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — Haig Seferian — OALA — MEMBER

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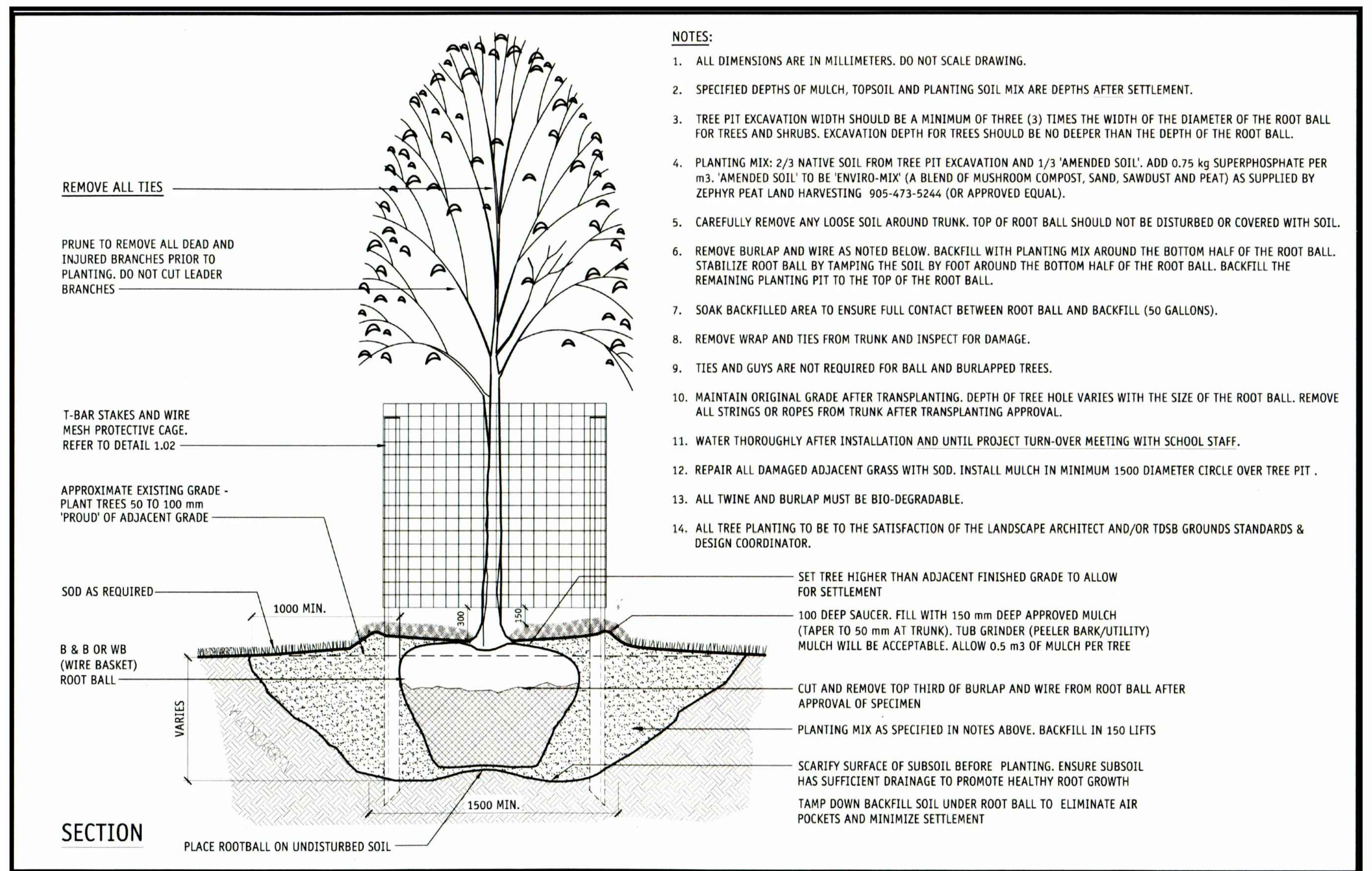

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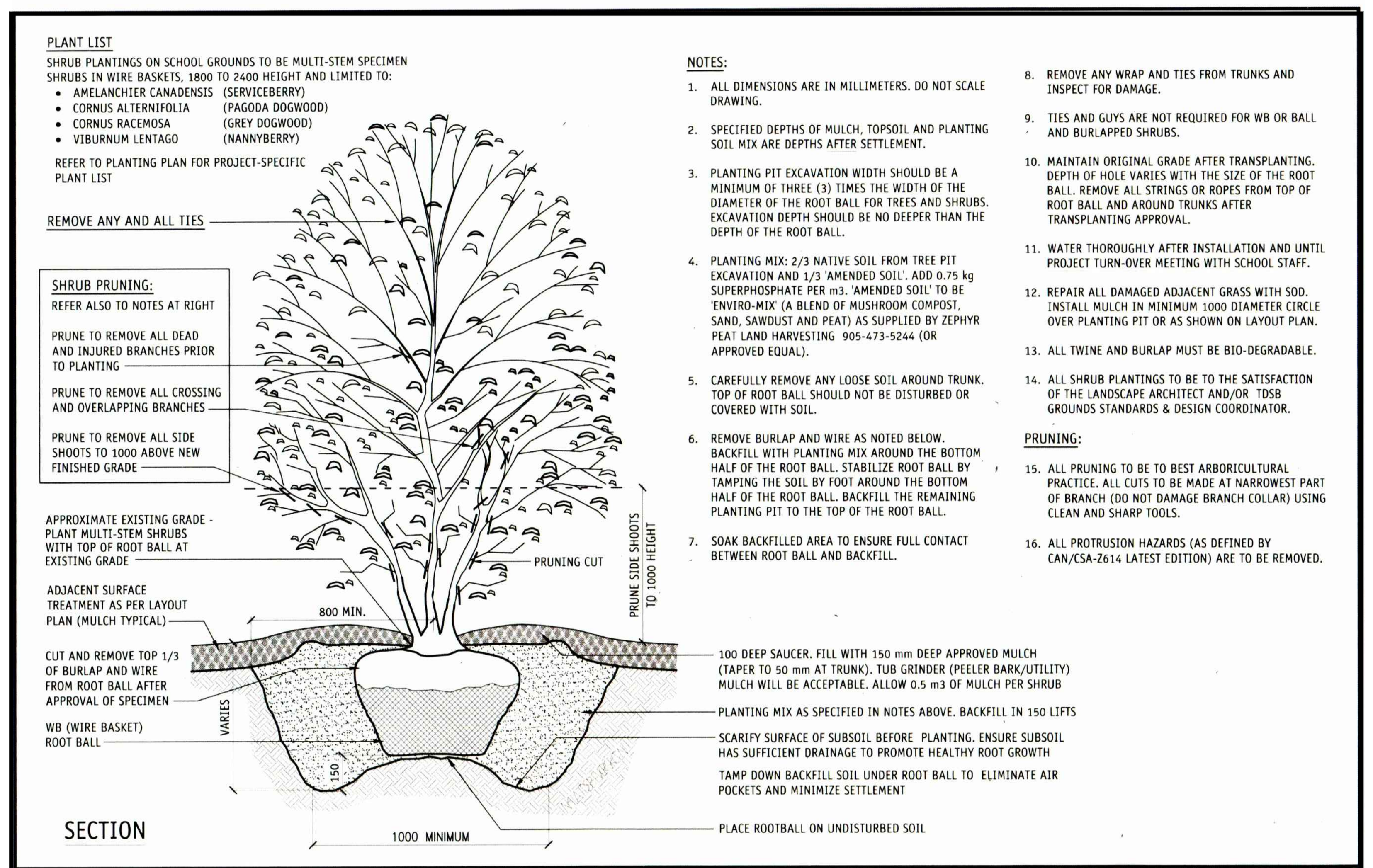
Toronto District School Board | EVERGREEN | northwood | SCHOOL GROUND STANDARD CONSTRUCTION DETAILS

DATE: JANUARY 2013 | NOT TO SCALE | DRAWN BY: KIM ALLERTON OALA | CHECKED BY: BRUCE DAY | DETAIL #

DECIDUOUS TREE PLANTING SOFT SURFACE — 1.01

1 DECIDUOUS TREE PLANTING

NTS



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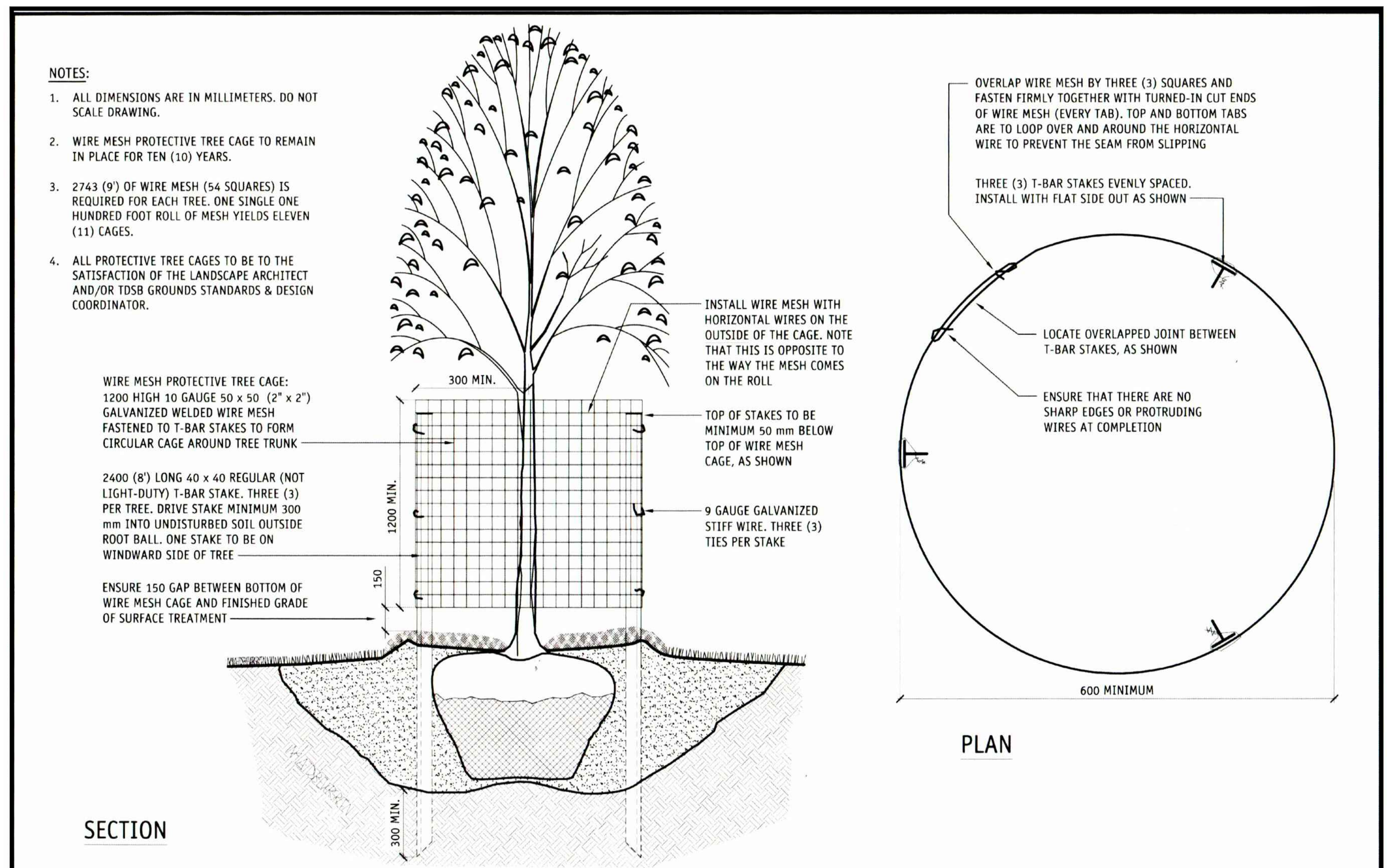
DATE: JANUARY 2013 | NOT TO SCALE | DRAWN BY: KIM ALLERTON OALA | CHECKED BY: BRUCE DAY | DETAIL #

MULTI-STEM SPECIMEN SHRUB PLANTING AND PRUNING — 1.41

2 MULTI STEM SHRUB PLANTING

NTS



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PROTECTIVE TREE CAGE DECIDUOUS TREES — 1.02

3 PROTECTIVE TREE CAGE

NTS

PLANT LIST								
SYM	**Qty**	**Botanical Name**	**Common Name**	**Cal. (mm)**	**HT (cm)**	**Root**	**Spacing**	**Remarks**
DECIDUOUS TREES:								
AR	2	*Acer rubrum*	Red Maple	75	335	WB	As Shown	full vigorous specimen; min 150cm HT clear stem
AF	2	*Acer x freemani 'Jeffersred'*	Jeffersred Maple	75	335	WB	As Shown	full vigorous specimen; min 150cm HT clear stem
GT	2	*Gleditsia triacanthos var. inermis*	Honey Locust	75	335	WB	As Shown	full vigorous specimen; min 150cm HT clear stem
LT	3	*Liquidambar styraciflua*	Sweetgum	75	335	WB	As Shown	full vigorous specimen; min 150cm HT clear stem
TA	2	*Tilia americana*	Basswood	75	335	WB	As Shown	full vigorous specimen; min 150cm HT clear stem

GENERAL PLANTING NOTES

1. IF DISCREPANCIES IN THE PLANT QUANTITIES EXIST, THEN THE **PLANTING PLANS SHALL OVER-RIDE THE PLANT LIST.**
2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR IS TO BE AWARE OF ALL EXISTING AND PROPOSED SERVICES AND UTILITIES. THE CONTRACTOR SHALL HAVE ALL UNDERGROUND SERVICES AND UTILITY LINES STAKED BY EACH AGENCY HAVING JURISDICTION PRIOR TO COMMENCING WORK. PLANTING MAY BE ADJUSTED TO SUIT LOCATION OF UTILITY STRUCTURES.
4. ALL MATERIAL THAT CAN NOT BE PLANTED WITHIN 48 HOURS OF DELIVERY SHALL BE HEALED IN ON SITE AND BE KEPT PROPERLY PROTECTED FROM DESICCATION BY WIND OR SUN.
5. **THE CONTRACTOR IS TO STAKE OUT ALL TREE LOCATIONS AND SHRUB BED GROUPINGS FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING OPERATIONS.**

STOCK

1. ALL PLANT MATERIAL SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE "CANADIAN STANDARDS FOR NURSERY STOCK". PLANT MATERIAL SHALL BE STRUCTURALLY SOUND, WELL FURNISHED WITH FOLIAGE, SHOWING VIGOROUS GROWTH AND FORMATION OF SHOOTS, AND BE FREE FROM BLIGHT AND DISEASE OF ANY DESCRIPTION. ANY SUBSTITUTIONS AS TO VARIETY OR SPECIES MUST BE ACCEPTED BY THE LANDSCAPE ARCHITECT.
2. THE CONTRACTOR UPON REQUEST SHALL PROVIDE DOCUMENTATION FOR ALL PLANT MATERIAL INDICATING THE SPECIES, SIZE, AND SUPPLIER. CONTAINER GROWN PLANT MATERIALS MUST BE GROWN IN THE SAME CONTAINER FOR A MINIMUM PERIOD OF 6 MONTHS.
3. COVER ANY LEAFED-OUT PLANT STOCK WHILE IN TRANSIT OR TEMPORARY STORAGE.
4. PLANT MATERIAL SHALL NOT BE COLLECTED OR DUG FROM NATIVE STANDS OR ESTABLISHED WOODLOTS.

SITE PREPARATION

1. SOILS SHALL BE FERTILE, FRIABLE, STONE-FREE AND NOT IN A FROZEN OR MUDDY CONDITION AT GRADING AND PLANTING.
2. THE CONTRACTOR SHALL FOLLOW THE SPACING AND OFFSETS FROM FIXED OBJECTS, AND ADHERE TO THE DESIGN INTENT WHEN LAYING OUT THE PLANT MATERIAL LOCATIONS.

SODDING NOTES

1. SOD SHALL BE NO. 1 CULTIVATED TURF GRASS SOD GROWN AND SOLD IN ACCORDANCE WITH THE CLASSIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO, LATEST EDITION. COMPOSITION OF THE SOD SHALL BE 60-70% KENTUCKY BLUEGRASS AND 30-40% CREEPING RED FESCUE ON MINIMUM 100MM CLEAN TOPSOIL.
2. CONTRACTOR TO RESTORE ALL AREAS DISTURBED BY CONSTRUCTION WITH SOD.

WARRANTY PERIOD

1. ALL WORKMANSHIP AND PLANT MATERIAL SHALL BE UNDER WARRANTY FOR A PERIOD OF **24 MONTHS** COMMENCING ON THE DATE OF ACCEPTANCE. SUBMIT A WRITTEN GUARANTEE TO THE EFFECT THAT ALL PLANTS ACCEPTED DURING THE PERIOD OF JANUARY 1ST TO JULY 15TH SHALL BE GUARANTEED UNTIL JULY 15TH OF THE FOLLOWING YEAR. PLANTS ACCEPTED DURING THE PERIOD OF JULY 15TH TO DECEMBER 31ST SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE. THE GUARANTEE PERIODS LISTED ABOVE SHALL APPLY TO ALL 'NURSERY GROWN' PLANTS.
2. PLANTS WHICH HAVE DIED DURING THE PERIOD OF WARRANTY SHALL BE REPLACED AT NO COST TO THE OWNER AS SOON AS POSSIBLE CONSISTENT WITH THE ALLOWABLE PLANTING SEASON. DEAD PLANT MATERIAL REPLACED UNDER WARRANTY SHALL BE REMOVED FROM THE CONTRACT SITE AT THE CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACED UNDER WARRANTY SHALL CONFORM TO ALL SPECIFICATIONS OF THE ORIGINAL CONTRACT INCLUDING THE WARRANTY FROM THE DATE OF REPLACEMENT PLANTING.
3. 2. THE CONTRACTOR SHALL PROVIDE MAINTENANCE IMMEDIATELY AFTER THE PLANTS ARE INSTALLED AND CONTINUE THROUGHOUT THE ENTIRE WARRANTY PERIOD. MAINTENANCE REQUIREMENTS SHALL INCLUDE ALL PROCEDURES CONSISTENT WITH PROPER HORTICULTURAL PRACTICES TO ENSURE NORMAL, VIGOROUS AND HEALTHY GROWTH OF ALL MATERIAL PLANTED INCLUDING SEEDING.
4. 3. AT THE TIME OF FINAL WARRANTY ACCEPTANCE, ALL MATERIAL MUST BE IN A HEALTHY AND VIGOROUS CONDITION. PLANTING BEDS MUST BE FRESHLY CULTIVATED AND FREE OF WEEDS, RUBBISH AND DEBRIS.

PLANTING

1. ALL MATERIAL DELIVERED TO THE SITE SHALL BE EITHER WATERED IMMEDIATELY OR WITHIN 24 HOURS WARRANTED BY THE MOISTURE CONTENT OF THE ROOT BALLS/CONTAINERS.
2. ALL MATERIAL THAT CANNOT BE PLANTED WITHIN 48 HOURS OF DELIVERY SHALL BE HEALED IN ON SITE AND KEPT PROPERLY PROTECTED FROM DESICCATION BY WIND OR SUN.
3. NO PLANT SUBSTITUTIONS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
4. CONTRACTOR IS TO APPLY IN WRITING REGARDING ANY CHANGES TO CONTRACT DOCUMENTS AND WILL PROVIDE THE LANDSCAPE ARCHITECT WITH DOCUMENTATION AND /OR DRAWINGS FOR THE PREPARATION OF AS-BUILT DRAWINGS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN PLANT MATERIALS IN GOOD CONDITION FROM THE DATE OF DELIVERY TO THE END OF THE WARRANTY PERIOD.
6. DAMAGED MATERIAL WILL BE REJECTED. TREES WITHOUT LEADERS, TRUNK WOUNDS OR DAMAGED MAJOR LIMBS WILL BE REJECTED. SHRUBS WITH DAMAGED BRANCHES OR INSUFFICIENT ROOT MASS WILL BE REJECTED.
7. SOAK ROOT BALL WITH WATER PRIOR TO MOVING/SHIPPING. PLANT STOCK SHIPPED WHILE IN LEAF SHALL BE COVERED WHEN IN TRANSIT. BARE ROOT STOCK SHALL BE KEPT MOIST AT ALL TIMES. MATERIAL THAT SHOWS SIGNIFICANT WIND BURN, DESICCATION OR EXCESSIVELY DRY ROOT BALLS OR CONTAINERS WILL NOT BE ACCEPTED.
7. TREE PIT AND SAUCER AND PLANTING BEDS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING. TOP DRESS AREA IMMEDIATELY OVER ROOT MASS (SAUCER AREA) WITH BONE MEAL.
8. THE POTTED HERBACEOUS VEGETATION SHALL BE REMOVED FROM THE POT TOGETHER WITH THE POTTING SOIL AND PLACED FIRMLY INTO THE NATIVE SOIL AT THE LOCATION INDICATED ON THE PLAN. ROOT RHIZOME, OR TUBER SHALL BE BURIED TO THE SAME DEPTH AS THE NATURAL STATE OF THE PLANT. ALL POTS AND CONTAINERS SHALL BE REMOVED AND DISPOSED OF OFF SITE.
9. IN CASE OF FIBRE POTS, CUT 3 LONGITUDINAL SLITS DOWN SIDES OF POT. PLACE POTTED PLANT IN PLANTING PIT AND CAREFULLY REMOVE FIBRE POT.
10. THE PLANTING PIT SHALL BE BACKFILLED WITH NATIVE SOIL IN LAYERS 150MM DEEP, FIRMLY TAMPED INTO PLACE AND A SHALLOW SAUCER SHALL BE CREATED OVER THE PLANTING PIT AREA TO RETAIN WATER.
11. TREES AND SHRUBS SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS THEY BORE TO PREVIOUS EXISTING GRADE.
12. LIGHTLY TAMP SPECIFIED TOPSOIL WHEN BACKFILLING TO ELIMINATE AIR POCKETS AND PREVENT SETTLING.
13. PLANT MATERIAL SHALL BE THOROUGHLY WATERED AT THE TIME OF PLANTING TO THE FULL DEPTH OF THE ROOT BALL.
14. RODENT PROTECTION FOR ALL TREES: SPIRAL WRAPPED AROUND PLASTIC TREE PROTECTOR 24 INCHES HIGH. ENSURE THAT THE BOTTOM 50MM OF THE TREE GUARD EXTENDS BELOW SOIL TO PREVENT ENTRY BY RODENT.
15. RODENT PROTECTION FOR ALL SHRUBS: ALL SHRUBS TO BE TREATED WITH AN APPLICATION OF RODENT REPELLENT (SKOOT OR APPROVED SUBSTITUTE) PRIOR TO EACH WINTER SEASON THROUGH THE WARRANTY PERIOD.
16. SHRUBS ARE TO BE PLANTED AND ARRANGED SUCH THAT THEY FORM A TIGHTLY SPACED, NATURALISTIC APPEARANCE TO REDUCE WEED GROWTH. ALL SHRUBS TO BE PLANTED IN CONTINUOUS BEDS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
17. ALL MULCH TO BE SHREDDED PINE BARK MULCH. AVAILABLE FROM GRO-BARK (1-888-GRO-BARK) OR APPROVED EQUIVALENT. DEPTH TO BE 100MM. DO NOT PLACE MULCH IN DIRECT CONTACT WITH TRUNKS.
18. ALL PLANTINGS ARE TO BE LOCATED 3.0M MINIMUM FROM UTILITIES, AND 4.0M MINIMUM FROM DRAINAGE STRUCTURES, DITCHES AND SWALES, UNLESS OTHERWISE NOTED.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO APPLY WEED AND GRASS CONTROL IN THE PLANTING BED AREAS AS REQUIRED (NO PESTICIDES IN ACCORDANCE WITH MUNICIPAL BY-LAWS AND PROVINCIAL LEGISLATION).
20. ALL EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY OWNER'S REPRESENTATIVE.
21. DO NOT REMOVE ALL NURSERY TAGS UNTIL FINAL INSPECTION.
22. AT THE END OF WARRANTY PERIOD IT IS RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF ALL STAKES AND GUY WIRES TO THE TREES.

TOPSOIL

SOURCE

1. ADVISE CONSTRUCTION MANAGER OF TOPSOIL SOURCE TO BE UTILIZED WITH SUFFICIENT LEAD TIME FOR TESTING.
2. TOPSOIL SHALL BE A SCREENED, FERTILE, FRIABLE, NATURAL LOAM CONTAINING NOT LESS THAN 4% ORGANIC MATTER FOR CLAY LOAMS AND NOT LESS THAN 2% ORGANIC MATTER FOR SANDY LOAMS TO A MAXIMUM OF 15%.
3. TOPSOIL SHALL BE CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, FREE OF SUBSOIL CONTAMINATION, ROOTS AND STONES OVER 30 MM IN DIAMETER AND WEEDS, WITH A PH RANGING FROM 6.5 TO 7.0.

QUALITY

4. TOPSOIL FOR SEEDED AREAS: MIXTURE OF PARTICULATES, MICRO ORGANISMS AND ORGANIC MATTER WHICH PROVIDES SUITABLE MEDIUM FOR SUPPORTING INTENDED PLANT GROWTH.
5. SOIL TEXTURE BASED ON THE CANADIAN SYSTEM OF SOIL CLASSIFICATION, TO CONSIST OF 20 TO 70% SAND, MINIMUM 7% CLAY, AND CONTAIN 2 TO 10% ORGANIC MATTER BY WEIGHT.
6. CONTAIN NO TOXIC ELEMENTS OR GROWTH INHIBITING MATERIALS.
7. FINISHED SURFACE TOTALLY FREE FROM STONES, ROOTS, DEBRIS, SUBSOIL, CLAY LUMPS, WEEDS, WEED SEEDS OR OTHER SOLID OR DELETERIOUS MATERIALS.
8. CONSISTENCY: FRIABLE WHEN MOIST.

PLANTING MIXTURE

1. PLANTING MIXTURE FOR CONTINUOUS PLANTING BEDS AND TREE PITS SHALL BE 6 PARTS TOPSOIL, 2 PART WELL-ROTTED MANURE, 1 PART PEAT MOSS, AND 0.75 KG SUPERPHOSPHATE.

SOIL AMENDMENTS

1. FERTILIZER:
   - CONFORM TO RECOMMENDATIONS FROM SOIL TESTING AGENCY WITH RESPECT TO IMPROVEMENTS FOR TESTED TOPSOIL AND APPLY AS SPECIFIED FOR EACH CONDITION.
   - INDUSTRY ACCEPTED STANDARD MEDIUM CONTAINING NITROGEN, PHOSPHOROUS, POTASSIUM AND OTHER MICRO_NUTRIENTS SUITABLE TO SPECIFIC PLANT SPECIES OR APPLICATION OR DEFINED BY SOIL TEST.
2. PEATMOSS:
   - DERIVED FROM PARTIALLY DECOMPOSED SPECIES OF SPHAGNUM MOSSES.
   - ELASTIC AND HOMOGENEOUS, BROWN IN COLOUR.
   - FREE OF WOOD AND DELETERIOUS MATERIAL WHICH COULD PROHIBIT GROWTH.
   - SHREDDED PARTICLE MINIMUM SIZE: 5 MM.
3. SAND: WASHED COARSE SILICA SAND, MEDIUM TO COURSE TEXTURED.
4. ORGANIC MATTER: COMPOST CATEGORY A IN ACCORDANCE WITH CURRENT CCME PN1340, UNPROCESSED ORGANIC MATTER, SUCH AS ROTTED MANURE, HAY, STRAW, BARK RESIDUE OR SAWDUST, MEETING THE ORGANIC MATTER, STABILITY AND CONTAMINANT REQUIREMENTS.
5. COMPOST:
   - MIXTURE OF SOIL AND DECOMPOSING ORGANIC MATTER USED AS FERTILIZER, MULCH, OR SOIL CONDITIONER.
   - COMPOST IS PROCESSED ORGANIC MATTER CONTAINING 40% OR MORE ORGANIC MATTER AS DETERMINED BY WALKLEY_BLACK OR LOSS ON IGNITION (LOI) TEST.
   - PRODUCT MUST BE SUFFICIENTLY DECOMPOSED (I.E. STABLE) SO THAT ANY FURTHER DECOMPOSITION DOES NOT ADVERSELY AFFECT PLANT GROWTH (C:N RATIO BELOW 25), AND CONTAIN NO TOXIC OR GROWTH INHIBITING CONTAMINATES.
   - COMPOSED BIO-SOLIDS TO: CCME GUIDELINES FOR COMPOST QUALITY, CATEGORY A.
6. USE COMPOSTS MEETING CATEGORY B REQUIREMENTS FOR LAND FILL RECLAMATION AND LARGE SCALE INDUSTRIAL APPLICATIONS.
7. LIMESTONE:
   - GROUND AGRICULTURAL LIMESTONE.
   - GRADATION REQUIREMENTS: PERCENTAGE PASSING BY WEIGHT, 90% PASSING 1.0 MM SIEVE, 50% PASSING 0.125 MM SIEVE.
8. SOURCE QUALITY CONTROL
   - ADVISE CONSTRUCTION MANAGER OF SOURCES OF TOPSOIL AND/OR MANUFACTURED TOPSOIL TO BE UTILIZED WITH SUFFICIENT LEAD TIME FOR TESTING.
   - CONTRACTOR IS RESPONSIBLE FOR AMENDMENTS TO SUPPLY TOPSOIL AS SPECIFIED.
   - SOIL TESTING BY RECOGNIZED TESTING FACILITY FOR PH, P AND K, AND ORGANIC MATTER, SOLUBLE SALT CONTENTS, ATRAZINE AND PH VALUE IN ORDER TO DETERMINE THE AMOUNT AND TYPE OF FERTILIZER OR ADDITIVES TO BE APPLIED FOR SPECIFIC AREAS.
   - TESTING OF TOPSOIL WILL BE CARRIED OUT BY TESTING LABORATORY APPROVED BY CONSTRUCTION MANAGER.
   - SOIL SAMPLING, TESTING AND ANALYSIS TO BE IN ACCORDANCE WITH PROVINCIAL STANDARDS.

* ALL NEW PROPOSED TREES AND RE-LOCATED SAPLINGS TO BE PROVIDED WITH TREEGATOR AS SPECIFIED BELOW:

TREEGATOR® ORIGINAL

SLOW RELEASE WATERING BAG FOR SHADE TREES

BENEFITS:

- *Ideal for newly planted shade or street trees.*
- *Reduces transplant and drought shock.*
- *100% water absorption with no run-off.*
- *Install and fill in minutes with no tools required.*
- *Deep water saturation with every fill.*
- *Fill just 1 to 2 times per week, or as needed.***
- *Promotes deep root growth.*
- *Non-invasive design will not harm existing landscape.*
- *Can be used with nutrient / chemical additives.***
- *Zip multiple bags together to accomodate large trees.*
- *Made in the U.S.A. with a 5-year limited warranty.*

**REFER TO WATERING CAPACITY / FREQUENCY CHART SHOWN BELOW

DESCRIPTION:
If you plant shade trees, you need a Treegator® Original Slow Release Watering Bag! Golf courses, parks, cities, nurseries, landscapers, DOT's, resorts and homeowners all love its simple, affordable patented tree watering technology. Makes anyone a watering professional. Perfect for newly planted or established trees up to 8" in caliper, with branches beginning at least 25 inches from the ground or higher. Save time, water, effort and trees!

SPECS:
Single bag fits min. 1 inch to max. 4 inch caliper tree with branches at least 25" from the ground or higher.
Use a Double Bag setup (2 single bags zipped together back-to-back) to water 4 inch to 8 inch caliper trees.
Made of green polyethylene with scrim reinforcement, black polypro straps and nylon zippers.
2 water release points per bag.
Bag is empty in approximately 5 to 9 hours.
UV stabilized to withstand exposure to sunlight.
Fill opening fits up to 3" diameter hose.

DIRECTIONS FOR USE:
Place around tree trunk, with the zippers on uphill side of tree.
Wrap both sides around trunk until zippers meet and zip together from bottom to top.
Lift tag to expose fill opening at top of bag.
Insert hose into fill opening and begin filling with water.
Fill bag to 1/4 capacity,
Gently lift up on straps at top of bag to expand bottom.
Fill to desired level and let empty.
Continuously waters for approximately 5 to 9 hours.

MEASUREMENTS:
Full - 30" tall x 18" wide (at base)

WATERING CAPACITY / FREQUENCY CHART:

Treegator® Original Bag Setup	Trunk Caliper (diameter)	Approx. Water Capacity (per single bag)	Recommended Fills per Week
Single Bag Setup	**1 to 2 inch** (3 to 5 cm)	**15 gallons** (56.78 liters)	1 Fill per Week
Single Bag Setup	**2 to 3 inch** (5 to 8 cm)	**14.75 to 14.25 gallons** (55.84 to 53.94 liters)	2 Fills per Week
Double Bag Setup* (2 single bags)	**0.00 inch** (stand-alone†)	**25 gallons** (94.63 liters)	Varies based on application
Double Bag Setup* (2 single bags)	**4 to 5 inch** (10 to 13 cm)	**23.50 gallons** (89.95 liters)	1 Fill per Week
Double Bag Setup* (2 single bags)	**5 to 8 inch** (13 to 20 cm)	**22.75 to 21.5 gallons** (86.11 to 81.38 liters)	2 Fills per Week

**Double Bag setup is two (2) single Treegator® Original bags zipped together back-to-back.*
†When watering older established trees with fully developed root systems, a Double Bag setup can also be used as a stand-alone watering solution (i.e. not wrapped around a trunk)

MULCH SPECIFICATIONS

1. COMPOSED OF COMPOSTED PINE BARK MULCH AGED BARK NUGGETS, AND COMPOST.
2. FINISHED MEDIA MUST HAVE A PH OF 5.0 TO 5.5.
3. COMPOSTED PINE BARK:
4. MINIMUM 98% PINE, CONTAINING VERY LITTLE WOOD FIBRE (LESS THAN 10%).
5. BLEND OF AGED BARKS, WOOD OR SAWDUST.
6. PROCESSED THROUGH A MANAGED COMPOST PROCESS.
7. BARK MUST BE COMPOSTED TO A CHOCOLATE BROWN-BLACK COLOUR AND NOT ORANGE-RED.
8. SIZE GRADATION1: MINIMUM 95% <3/4"; MINIMUM 50% <1/4".
9. PH: <4.5.
10. ORGANIC MATTER CONTENT: >80% BY WEIGHT.AGED BARK NUGGETS
11. AGED BARK NUGGETS RANGING IN PARTICLE SIZE BETWEEN 1/2" AND 1.5".

NOTES:
All dimensions are the responsibility of the contractor to verify. This drawing is not to be scaled directly. Report all errors and omissions to Seferian Design Group Limited immediately.

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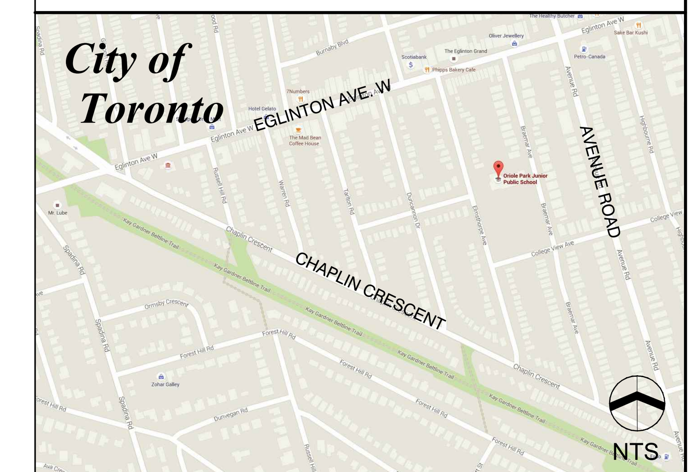
This drawing forms part of a set and may not be separated. This drawing is to be read in conjunction with all other drawings, notes and specifications included in the contract documents.

Any ambiguity in the drawings, specifications or details is to be reported to the Landscape Architect for direction. Do not proceed in uncertainty.

KEY PLAN



NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT: tdsb Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

SHEET TITLE: LANDSCAPE DETAILS

DWG No: D-1	SCALE: AS NOTED
	PROJECT NO: 18-010
STAMP: Haig Seferian, Ontario Association of Landscape Architects, OALA Member	DRAWN BY: SW
	DESIGN BY: SW
	CHECKED BY: HS
	SHEET No: 9 of 14
	NORTH

PRINT DATE: Monday April 16, 2018

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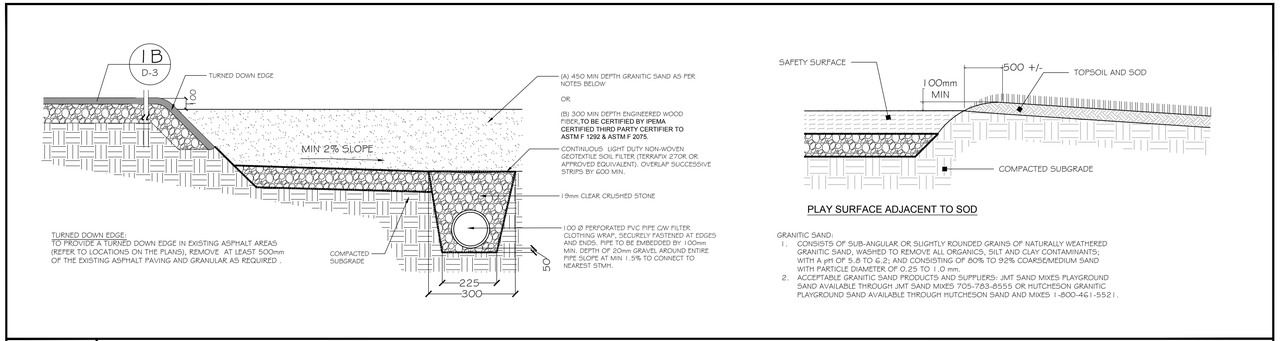
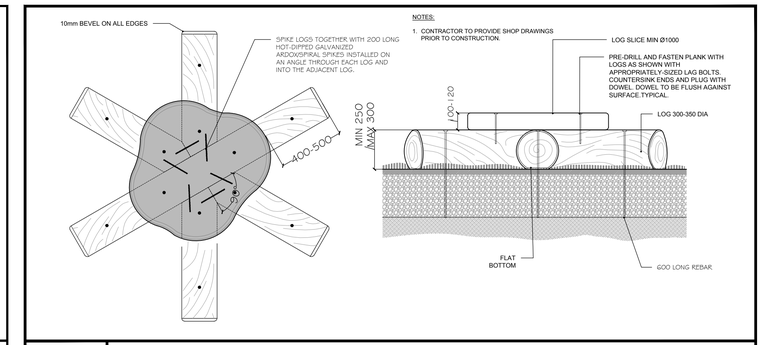
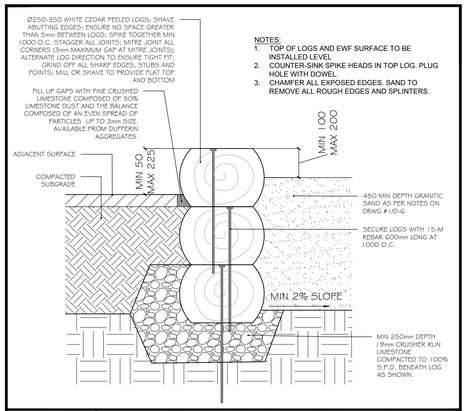


1 PLAY SURFACE AND DRAINAGE — NTS



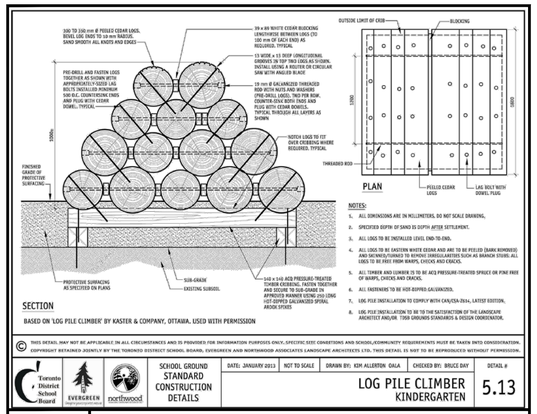
NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO CONSTRUCTION.

2 CAMP TABLE — NTS



NOTES:
1. TOP OF LOGS AND EWF SURFACE TO BE INSTALLED LEVEL
2. COUNTER-SINK SPIKE HEADS IN TOP LOG. PLUG HOLE WITH DOWEL.
3. CHAMFER ALL EXPOSED EDGES. SAND TO REMOVE ALL ROUGH EDGES AND SPLINTERS.

3 FLAT TOP LOG — NTS



NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
2. SPECIFIED DEPTH OF SAND TO DEPTH AFTER SETTLEMENT.
3. ALL LOGS TO BE INSTALLED LEVEL END-TO-END.
4. ALL LOGS TO BE EASTERN WHITE CEDAR AND ARE TO BE PEELED (BARK REMOVED) AND SKINNED/TURNED TO REMOVE IRREGULARITIES SUCH AS BRANCH STUBS. ALL LOGS TO BE FREE FROM WARPS, CHECKS AND CRACKS.
5. ALL TIMBER AND LUMBER TO BE ACQ PRESSURE-TREATED SPRUCE OR PINE FREE OF WARPS, CHECKS AND CRACKS.
6. ALL FASTENERS TO BE HOT-DIPPED GALVANIZED.
7. LOG PILE INSTALLATION TO COMPLY WITH CAN/CSA-B651, LATEST EDITION.
8. LOG PILE INSTALLATION TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.

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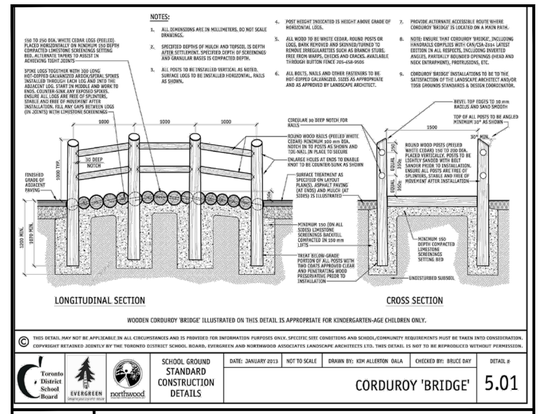
Toronto District School Board | EVERGREEN | northwood
SCHOOL GROUND STANDARD CONSTRUCTION DETAILS | DATE: JANUARY 2013 | NOT TO SCALE | DRAWN BY: KIM ALLERTON OALA | CHECKED BY: BRUCE DAY | DETAIL # 5.13
LOG PILE CLIMBER KINDERGARTEN

4 LOG PILE CLIMBER — NTS



NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWINGS.
2. SPECIFIED DEPTHS OF MULCH AND TOPSOIL TO DEPTH AFTER SETTLEMENT. SPECIFIED DEPTH OF SCREENINGS AND GRANULAR BASES IS COMPACTED DEPTH.
3. ALL POSTS TO BE INSTALLED VERTICAL AS NOTED. SURFACE LOGS TO BE INSTALLED HORIZONTAL, RAILS AS SHOWN.
4. ALL BOLTS, NAILS AND OTHER FASTENERS TO BE HOT-DIPPED GALVANIZED. SIZES AS APPROPRIATE AND AS APPROVED BY LANDSCAPE ARCHITECT.
5. ALL WOOD TO BE WHITE CEDAR. ROUND POSTS OR LOGS, BARK REMOVED AND SKINNED/TURNED TO REMOVE IRREGULARITIES SUCH AS BRANCH STUBS, FREE FROM WARPS, CHECKS AND CRACKS. AVAILABLE THROUGH BUTTON FENCE 705-436-9506
6. CORDUROY BRIDGE INSTALLATIONS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.
7. PROVIDE ALTERNATE ACCESSIBLE ROUTE WHERE CORDUROY 'BRIDGE' IS LOCATED ON A MOUND FEATURE.
8. NOTE: ENSURE THAT CORDUROY 'BRIDGE', INCLUDING GANGPLANKS COMPLIES WITH CAN/CSA-B651 LATEST EDITION IN ALL RESPECTS, INCLUDING INVERTED ANGLES, PARTIALLY BOLTED-OPENING GRIDS AND NOSE DETAIL(TREADS), PROTRUSIONS, ETC.
9. CORDUROY BRIDGE INSTALLATIONS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.

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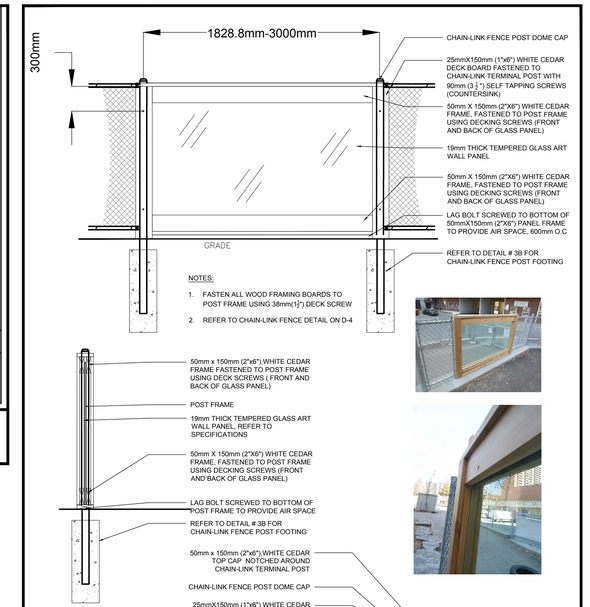
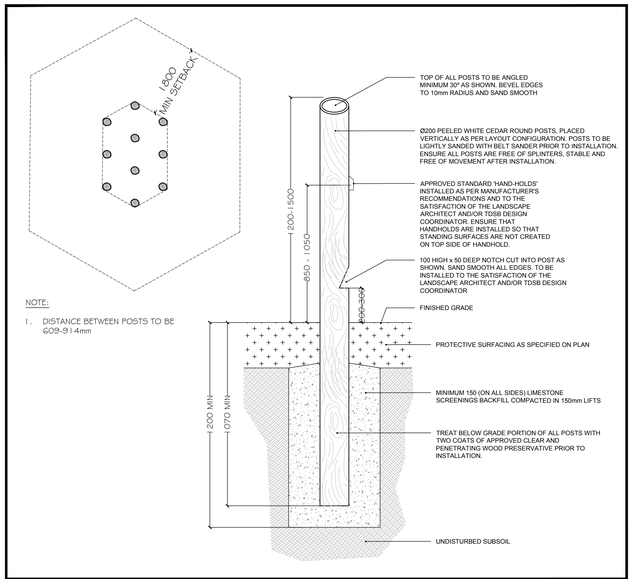
Toronto District School Board | EVERGREEN | northwood
SCHOOL GROUND STANDARD CONSTRUCTION DETAILS | DATE: JANUARY 2013 | NOT TO SCALE | DRAWN BY: KIM ALLERTON OALA | CHECKED BY: BRUCE DAY | DETAIL # 5.01
CORDUROY 'BRIDGE'

5 CORDUROY BRIDGE — NTS



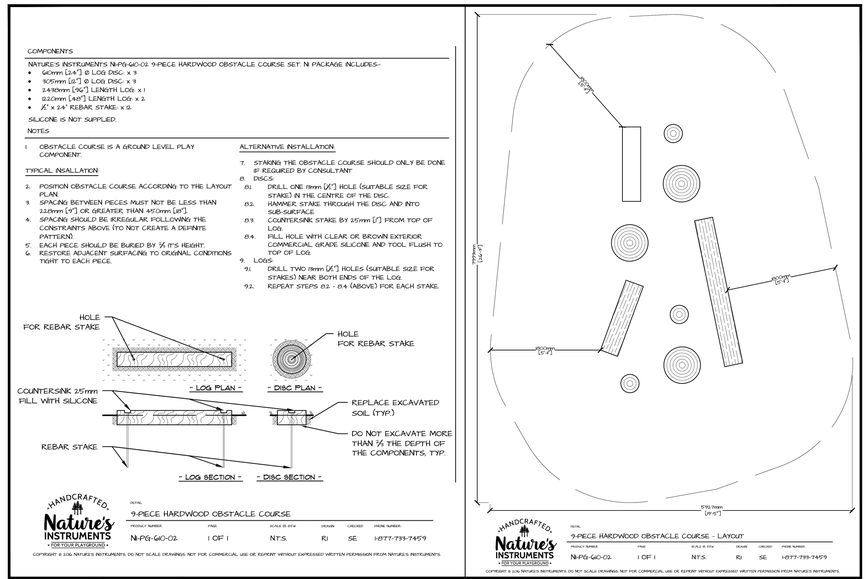
NOTES:
1. FASTEN ALL WOOD FRAMING BOARDS TO POST FRAME USING 38mm(1½") DECK SCREW
2. REFER TO CHAIN-LINK FENCE DETAIL ON D-4

6 ACRYLIC PANEL — NTS

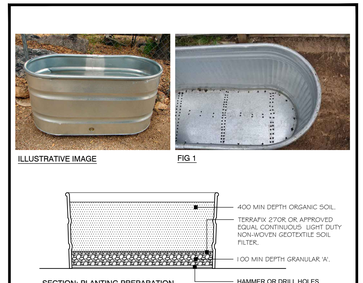


NOTE:
1. DISTANCE BETWEEN POSTS TO BE 609.9 ± 4mm

7 CLIMBING POSTS — NTS

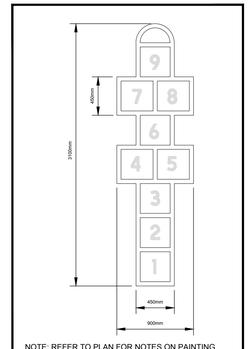


8 OBSTACLE COURSE — NTS



NOTE:
1. TROUGH CAPACITY TO BE AT LEAST 100L

9 GALVANIZED TROUGH — NTS



NOTE: REFER TO PLAN FOR NOTES ON PAINTING

10 HOPSCOTCH — NTS

NOTES:
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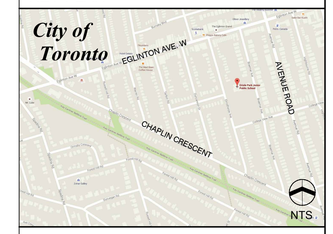
Any ambiguity in the drawings, specifications or details is to be reported to the Landscape Architect for direction. Do not proceed in uncertainty.

KEY PLAN



GENERAL DETAIL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. DO NOT SCALE.
2. ALL LOGS TO BE SKINNED/TURNED TO REMOVE IRREGULARITIES SUCH AS BRANCH STUBS, FREE FROM WARPS, CHECKS AND CRACKS.
3. ALL SPIKES REBARS, NAILS, BOLTS AND OTHER FASTENERS TO BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. FASTENER SIZES TO BE APPROVED BY THE CONSULTANT PRIOR TO INSTALLATION.
4. REBARS TO BE COUNTER-SUNK IN LOGS ANG PLUG HOLES WITH DOWEL. DOWEL TO BE FLUSH AGAINST SURROUNDING SURFACE.
5. ALL LOGS TO BE PROPERLY SECURED AND FREE OF MOVEMENT AFTER INSTALLATION.
6. CHAMFER (ROUND) ALL EXPOSED EDGES. SAND TO REMOVE ALL ROUGH EDGES AND SPLINTERS. BEVEL ALL EDGES TO 10mm RADIUS AND SAND SMOOTH.
7. ALL OPEN ENDS, CRACKS, CUTS AND WOUNDS TO BE SEALED WITH NON-TOXIC CONSTRUCTION ADHESIVE TO BE APPROVED BY CONSULTANT.
8. SPECIFIED DEPTHS OF MULCH, SAND AND TOPSOIL ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF AND GRANULAR MATERIAL IS COMPACTED DEPTH.
9. TUB GROUND MULCH AROUND TREES TO BE 75mm DEEP. REFER TO L-4 FOR MULCH SPECIFICATIONS.
10. THIS DRAWING FORMS PART OF A SET AND MAY NOT BE SEPARATED. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS IN THE SET AND ALL SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
11. WHITE CEDAR POSTS AVAILABLE FROM TRANSCANADA WOOD PRODUCTS. 1-800-208-0054 OR BUTTON FENCE 705-458-9506.

NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT: tdsb Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

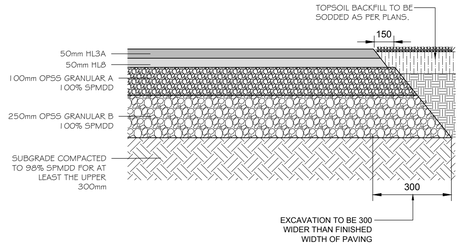
SHEET TITLE:
LANDSCAPE DETAILS

DWG No:	D-2	SCALE:	AS NOTED
		PROJECT NO:	18-010
STAMP:		DRAWN BY:	SW
		DESIGN BY:	SW
		CHECKED BY:	HS
		SHEET No:	10 of 14
		NORTH	

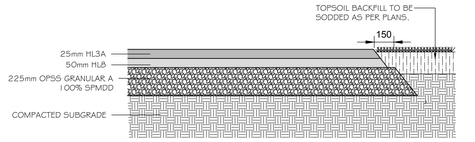
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — Haig Seferian — OALA — MEMBER

PRINT DATE: Monday April 16, 2018

W:\Projects-3\2018\18-010 - TDSB Oriole Public School\Current Dwg\AutoCAD\18-010 - TDSB Oriole Public School - DD-APRIL 13 2018.dwg

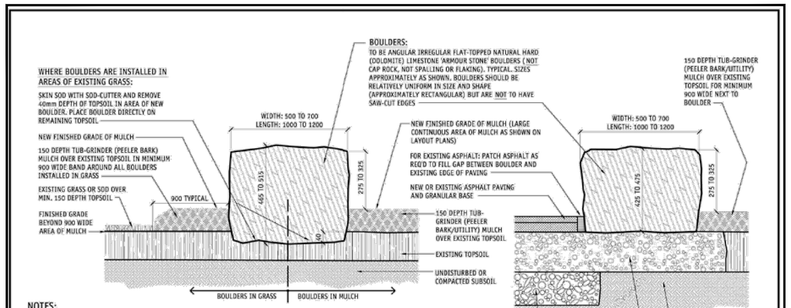


A) HEAVY DUTY ASPHALT PROFILE (PARKING LOT)



B) MEDIUM DUTY ASPHALT PROFILE

1 ASPHALT PAVING NTS



BOULDERS ADJACENT ASPHALT PAVING

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
2. SPECIFIED DEPTHS OF MULCH AND TOPSOIL ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF GRANULAR BASES IS COMPACTED DEPTH.
3. ALL ARMOUR STONE BOULDERS TO BE SIZES AS INDICATED ABOVE.
4. INSTALL ALL BOULDERS WITH MINIMUM ONE-FIFTH BELOW FINISHED GRADE OF SURROUNDING MULCH AS SHOWN.
5. ENSURE THAT ALL BOULDERS ARE STABLE AND FREE FROM ALL MOVEMENT AFTER INSTALLATION IS COMPLETE.
6. PRIOR TO PROJECT COMPLETION ENSURE THAT ALL SHARP CORNERS AND EDGES ON EXPOSED SIDES OF STONES ARE ELIMINATED (ROUNDED) BY GRINDING OR OTHER SIMILAR MEANS TO SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.
7. GAPS BETWEEN ARMOUR STONES ARE TO BE MINIMIZED TO REDUCE DANGER OF ENTANGLEMENT AND ENTRAPMENT, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR. GAPS ARE EITHER TO BE LESS THAN 50mm OR GREATER THAN 2000 mm.
8. ENSURE MINIMUM 2000 DISTANCE BETWEEN ALL BOULDERS AND TREE TRUNKS AND/OR TREE CAGES.
9. ENSURE THAT ALL ARMOUR STONE BOULDERS ARE INSTALLED WITH SEATING SURFACE LEVEL.
10. INSTALLATION OF BOULDERS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.

SECTION

DIMENSIONS AND BOULDER SIZES ILLUSTRATED ON THIS DETAIL ARE APPROPRIATE FOR KINDERGARTEN-AGE CHILDREN ONLY.

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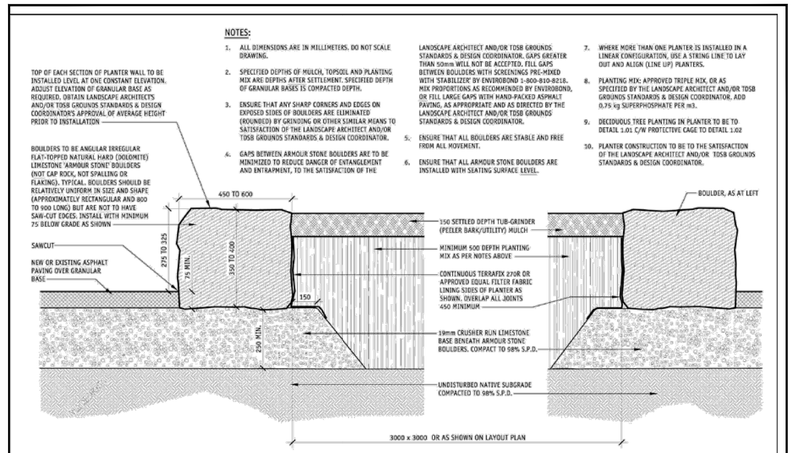
Toronto District School Board | EVERGREEN | northwood | SCHOOL GROUND STANDARD CONSTRUCTION DETAILS | DATE: JANUARY 2013 | NOT TO SCALE | DRAWN BY: KIM ALLERTON OALA | CHECKED BY: BRUCE DAY | DETAIL # 2.02

ARMOUR STONE SEATING
SINGLE BOULDERS - KINDERGARTEN

2 ARMOUR STONE - KINDERGARTEN SEATING NTS



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
2. SPECIFIED DEPTHS OF MULCH, TOPSOIL AND PLANTING MIX ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF GRANULAR BASES IS COMPACTED DEPTH.
3. ENSURE THAT ANY SHARP CORNERS AND EDGES ON EXPOSED SIDES OF BOULDERS ARE ELIMINATED (ROUNDED) BY GRINDING OR OTHER SIMILAR MEANS TO SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.
4. GAPS BETWEEN ARMOUR STONE BOULDERS ARE TO BE MINIMIZED TO REDUCE DANGER OF ENTANGLEMENT AND ENTRAPMENT, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR. GAPS GREATER THAN 25mm WILL NOT BE ACCEPTED. FILL GAPS BETWEEN BOULDERS WITH SCREENINGS PRE-MIXED WITH 'STABILIZER' BY ENVIROBOND (1-800-810-8218). MIX PROPORTIONS AS RECOMMENDED BY ENVIROBOND, OR FILL LARGE GAPS WITH HAND-PACKED ASPHALT PAVING, AS APPROPRIATE AS DIRECTED BY THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.
5. ENSURE THAT ALL BOULDERS ARE STABLE AND FREE FROM ALL MOVEMENT.
6. ENSURE THAT ALL ARMOUR STONE BOULDERS ARE INSTALLED WITH SEATING SURFACE LEVEL.
7. WHERE MORE THAN ONE PLANTER IS INSTALLED IN A LINEAR CONFIGURATION, USE A STRING LINE TO LAY OUT AND ALIGN (LINE UP) PLANTERS.
8. PLANTING MIX: APPROVED TRIPLE MIX, OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR, ADD 0.75 kg SUPERPHOSPHATE PER m3.
9. DECIDUOUS TREE PLANTING IN PLANTER TO BE TO DETAIL 1.01 C/W PROTECTIVE CAGE TO DETAIL 1.02
10. PLANTER CONSTRUCTION TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.

SECTION

HEIGHT OF PLANTER ILLUSTRATED ON THIS DETAIL IS APPROPRIATE FOR KINDERGARTEN-AGE CHILDREN ONLY.

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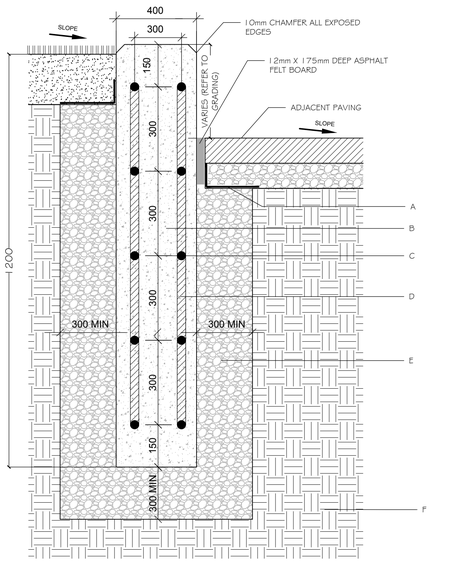
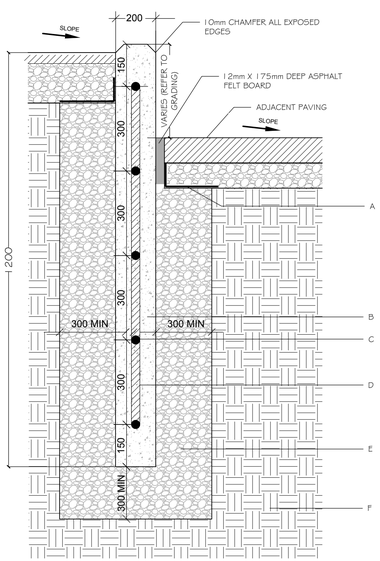
Toronto District School Board | EVERGREEN | northwood | SCHOOL GROUND STANDARD CONSTRUCTION DETAILS | DATE: JANUARY 2013 | NOT TO SCALE | DRAWN BY: KIM ALLERTON OALA | CHECKED BY: BRUCE DAY | DETAIL # 1.21

PLANTER
ARMOUR STONE - KINDERGARTEN

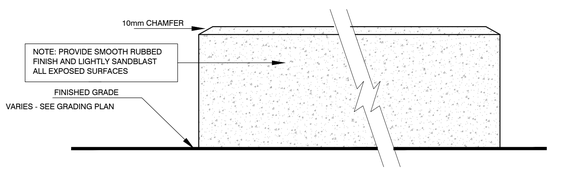
3 ARMOUR STONE - KINDERGARTEN RETAINING WALL NTS



A) 400mm CONCRETE WALL



B) 200mm CONCRETE WALL

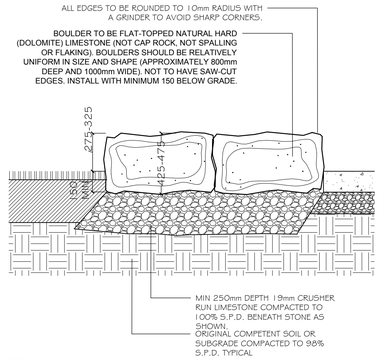


ELEVATION

KEYS:

A. SOIL FILTER TERRAFIX 270R OR APPROVED EQUAL
B. CAST-IN-PLACE CONCRETE WALL. CONCRETE TO BE 20MPA AT 28 DAYS WITH 5-7% AIR ENTRAINMENT.
C. 20M REINFORCEMENT BARS EXTENDED HORIZONTALLY THROUGH CONCRETE WALL. SPACED EQUALLY WITH MAXIMUM 300MM O.C. SPACING.
D. 15M REINFORCED BARS EXTENDED VERTICALLY THROUGH CONCRETE WALL. SPACED EQUALLY WITH MAXIMUM 300MM O.C. SPACING.
E. 19MM (3/4IN) WELL GRADED CRUSHED ANGULAR GRANULAR MATERIAL COMPACTED TO 98% S.P.M.D.D. - MATERIAL TO HAVE LESS THAN 8% PASSING NO. 200 SIEVE
F. ORIGINAL COMPETENT SOIL OR COMPACTED SUBGRADE

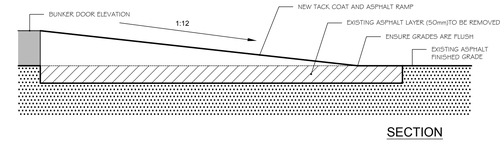
4 CAST-IN-PLACE CONCRETE WALL NTS



NOTES

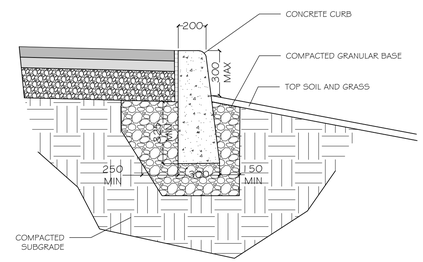
1. ENSURE THAT ANY SHARP CORNERS AND EDGES ON EXPOSED SIDES OF 'STONES' ARE ELIMINATED (ROUNDED) BY GRINDING OR OTHER SIMILAR MEANS TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.
2. GAPS BETWEEN ARMOUR STONE BOULDERS ARE TO BE MINIMIZED TO REDUCE DANGER OF ENTANGLEMENT AND ENTRAPMENT, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR. GAPS GREATER THAN 25mm WILL NOT BE ACCEPTED. FILL GAPS BETWEEN BOULDERS WITH SCREENINGS PRE-MIXED WITH 'STABILIZER' BY ENVIROBOND (1-800-810-8218). MIX PROPORTIONS AS RECOMMENDED BY ENVIROBOND, OR FILL LARGE GAPS WITH HAND-PACKED ASPHALT PAVING, AS APPROPRIATE AS AS DIRECTED BY THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.
3. ENSURE ALL BOULDERS ARE STABLE AND FREE OF ANY MOVEMENT.
4. ENSURE THAT ALL BOULDERS ARE INSTALLED WITH SEATING SURFACE LEVEL.

5 ARMOUR STONE - CONTINUOUS SEATING NTS

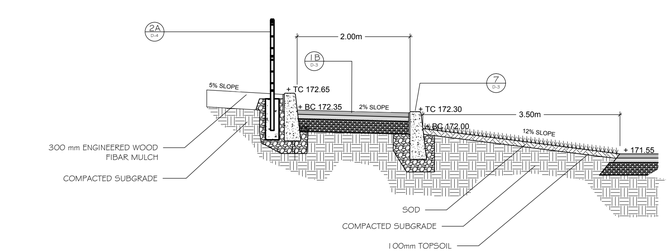


SECTION

6 ASPHALT RAMP FOR CONCRETE STORAGE NTS



7 CONCRETE CURB NTS



A-A' CONCRETE CURB AND PATH SECTION SCALE: 1:50 (0m .5 1 2m)

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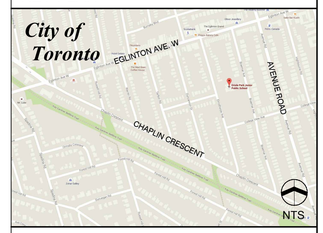
Any ambiguity in the drawings, specifications or details is to be reported to the Landscape Architect for direction. Do not proceed in uncertainty.

KEY PLAN



NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT: tdsb Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

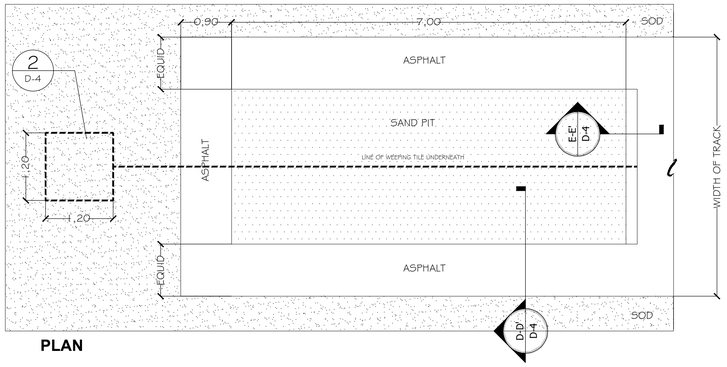
SHEET TITLE:
LANDSCAPE DETAILS

DWG No: D-3
SCALE: AS NOTED
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 11 of 14
NORTH

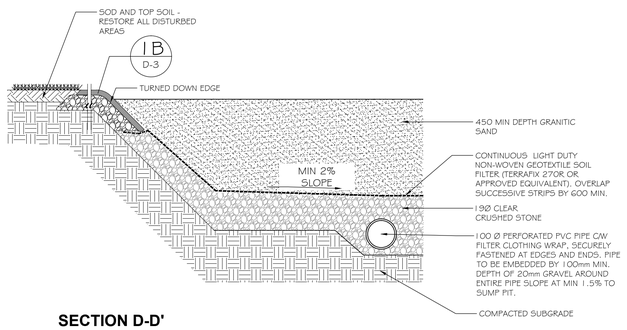
STAMP: ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — Haig Seferian — OALA — MEMBER

PRINT DATE: Monday April 16, 2018

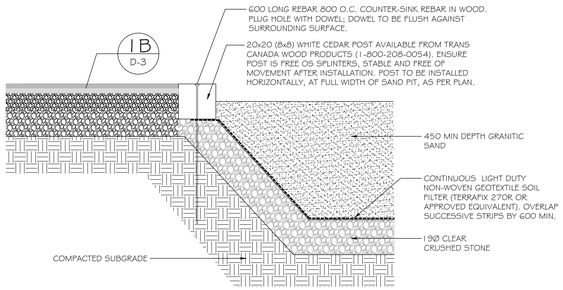
W:\Projects-3\2018\18-010 - TDSB Oriole Public School\Current Dwgs\AutoCAD\18-010 - TDSB Oriole Public School - DD- APRIL 13 2018.dwg



PLAN

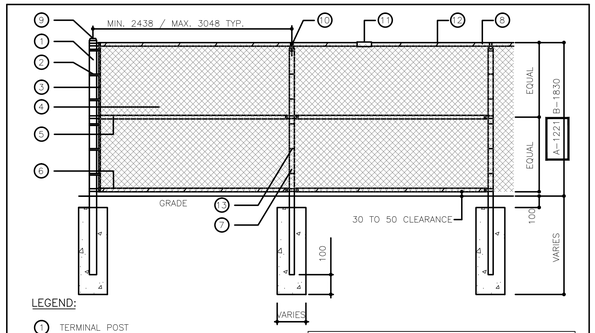


SECTION D-D'



SECTION E-E'

1 LONG JUMP NTS



LEGEND:

1. TERMINAL POST
2. ALUMINUM TENSION BAR BANDS AT 305mm O.C.
3. 5mm x 19mm GALVANIZED FLAT METAL TENSION BARS
4. 38 x 38mm, 6 GAUGE BLACK VINYL COATED MESH
5. MID RAIL (NOT REQUIRED FOR 1524mm OR LESS HIGH FENCES)
6. BOTTOM RAIL
7. LINE POST
8. TOP RAIL
9. DOME CAP
10. LOOP CAP
11. 178mm LONG GALVANIZED SLEEVE OVER RAIL JOINTS
12. 4.2mm GALVANIZED STEEL TOP AND BOTTOM RAIL FASTENERS AT 450mm O.C.
13. 4.2mm GALVANIZED STEEL LINE POST FASTENERS AT 305mm O.C.

POST AND RAIL SIZE TABLE

TYPE	2438 AND 1829 HT.	1524 AND 1219 HT.
TERMINAL POSTS:	88.9mm O.D.	60.3mm O.D.
LINE POSTS:	60.3mm O.D.	60.3mm O.D.
TOP/BOTTOM RAILS:	42.2mm O.D.	42.2mm O.D.
MID RAILS:	42.2mm O.D.	NOT REQUIRED

ALL PIPES SHALL BE HOT DIP GALVANIZED SCHEDULE 40

FOOTING SIZE TABLE

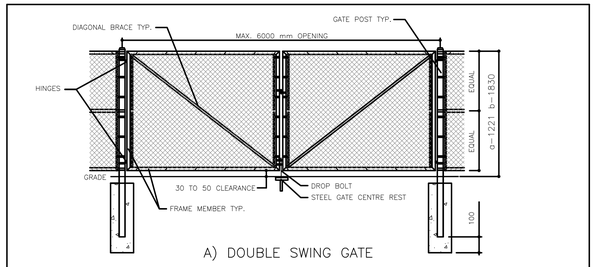
POST O.D.	WIDTH OF FOOTING	DEPTH OF FOOTING
88.9mm	300mm	1200mm
60.3mm	250mm	1200mm

ALL FOOTINGS TO BE 30 MPa CAST-IN-PLACE CONCRETE. USE SONO-TUBES FOR ENTIRE DEPTH OF FOOTING. TOP OF FOOTINGS TO BE 100mm BELOW FINISHED GRADE.

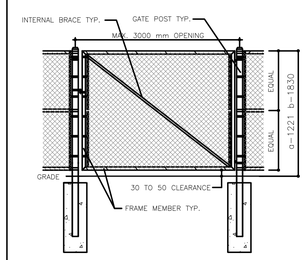
Toronto District School Board
Facility Services Department Design & Construction Division
15 Oakburn Cres. Toronto, Ontario M2N 2T5
t. 416-395-4588 / f. 416-395-9734

Facility: SCHOOL NAME, ANY STREET NAME	Drawn By: M.OZKAN	Approved By: STANDARDS COMM.	
Project: TDSB STANDARD DETAILS FOR CHAIN LINK FENCES	Checked By: V.TARAKANOV	TDSB Project No: XXXX-XXXX-XXX	
	Date: 28/08/2014	Sheet No: S-1	
Sheet Title: XXXX XXXX XXXX	Scale: NTS		

2 CHAINLINK FENCE NTS



A) DOUBLE SWING GATE



B) SINGLE SWING GATE

GATE AND GATEPOST DETAILS TABLE

GATE TYPE AND MAX OPENING (m)	FRAME MEMBER MIN O.D.	DIAGONAL BRACE MIN. O.D.	POST DIA MIN. O.D.
SINGLE SWING 3.0 DOUBLE SWING 6.0	42.2	42.2	88.9

FOOTING SIZE TABLE

POST O.D.	WIDTH OF FOOTING	DEPTH OF FOOTING
88.9 mm	300 mm	1200 mm

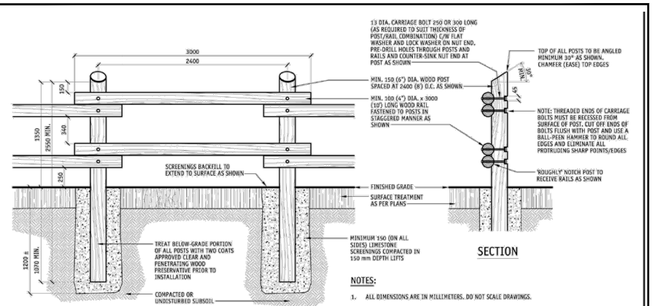
NOTES:

1- FOR CHAIN LINK FABRIC, CONCRETE TYPE AND OTHER CONNECTION DETAILS REFER TO "TDSB STANDARD DETAILS FOR CHAIN LINK FENCE S-1" AND SPECS

Toronto District School Board
Facility Services Department Design & Construction Division
15 Oakburn Cres. Toronto, Ontario M2N 2T5
t. 416-395-4588 / f. 416-395-9734

Facility: SCHOOL NAME, ANY STREET NAME	Drawn By: M.OZKAN	Approved By: STANDARDS COMM.	
Project: TDSB STANDARD DETAILS FOR CHAIN LINK GATES	Checked By: V.TARAKANOV	TDSB Project No: XXXX-XXXX-XXX	
	Date: 28/08/2014	Sheet No: S-2	
Sheet Title: XXXX XXXX XXXX	Scale: NTS		

3 CHAINLINK GATE NTS



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWINGS.
2. SPECIFIED DEPTHS OF TOPSOIL IS DEPTH AFTER SETTLEMENT. SPECIFIED DEPTH OF SCREENINGS AND GRANULAR BASES IS COMPACTED DEPTH.
3. ALL RAILS TO BE INSTALLED LEVEL. STEP FENCE AT POSTS, AS REQUIRED TO SUIT NEW FINISHED GRADES.
4. ALL WOOD TO BE WHITE CEDAR, ROUND POSTS AND RAILS. BARK REMOVED AND SKINNED/TURNED TO REMOVE IRREGULARITIES SUCH AS BRANCH STUBS), FREE FROM WARPS, CHECKS AND CRACKS. AVAILABLE THROUGH BUTTON FENCE 705-458-9506
5. ALL BOLTS, NAILS AND OTHER FASTENERS TO BE GALVANIZED.
6. WOOD RAIL FENCE INSTALLATIONS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.

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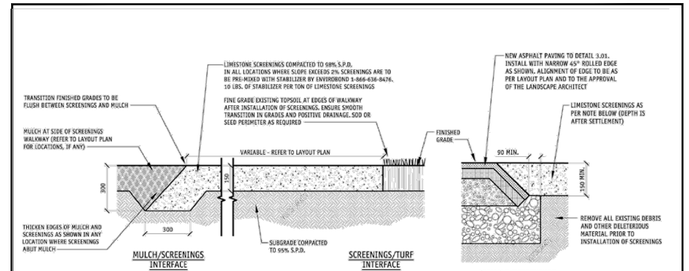
Toronto District School Board / EVERGREEN / northwood	SCHOOL GROUND STANDARD CONSTRUCTION DETAILS	DATE: JANUARY 2013	NOT TO SCALE	DRAWN BY: KIM ALLERTON OALA	CHECKED BY: BRUCE DAY
		WOOD RAIL FENCE			DETAIL # 4.01

4 WOOD FENCE NTS



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
2. SPECIFIED DEPTHS OF MULCH AND TOPSOIL ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF LIMESTONE SCREENINGS AND GRANULAR BASES IS COMPACTED DEPTH.
3. LIMESTONE SCREENINGS TO BE A FINE CRUSHED LIMESTONE PRODUCT COMPOSED OF 50% LIMESTONE DUST AND THE BALANCE COMPOSED OF AN EVEN SPREAD OF PARTICLES UP TO 3 mm SIZE. AVAILABLE FROM DUFFERIN AGGREGATES.
4. INSTALLATION OF LIMESTONE SCREENINGS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR TDSB GROUNDS STANDARDS & DESIGN COORDINATOR.

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Toronto District School Board / EVERGREEN / northwood	SCHOOL GROUND STANDARD CONSTRUCTION DETAILS	DATE: JANUARY 2013	NOT TO SCALE	DRAWN BY: KIM ALLERTON OALA	CHECKED BY: BRUCE DAY
		LIMESTONE SCREENINGS WALKWAY			DETAIL # 3.02

5 LIMESTONE SCREENINGS NTS

NOTES:
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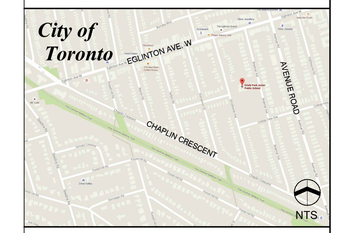
KEY PLAN



NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT: tdsb Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

SHEET TITLE:
LANDSCAPE DETAILS

DWG No: D-4
SCALE: AS NOTED
PROJECT NO: 18-010
DRAWN BY: SW
DESIGN BY: SW
CHECKED BY: HS
SHEET No: 12 of 14
NORTH

STAMP: Ontario Association of Landscape Architects — Haig Seferian — OALA — Member

PRINT DATE: Monday April 16, 2018

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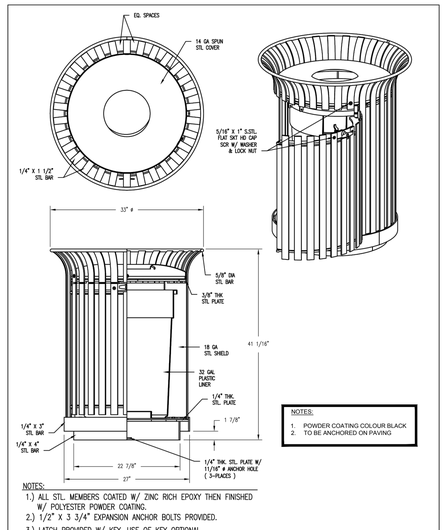


NOTES:
1. POWDER COATING COLOUR BLACK
2. TO BE ANCHORED ON PAVING

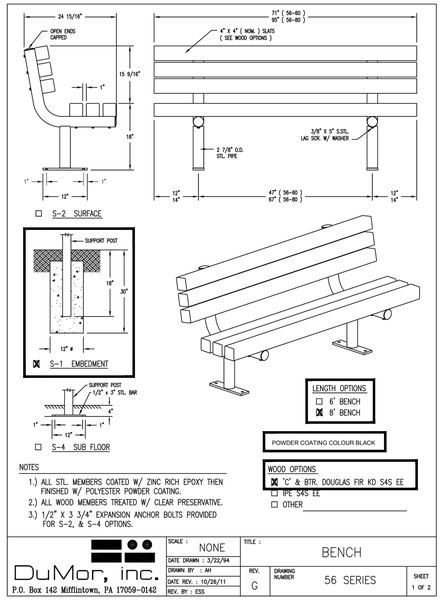
NOTES:
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
3.) LATCH PROVIDED W/ KEY, USE OF KEY OPTIONAL.

DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE : NONE	TITLE : RECEPTACLE		
DATE DRAWN : 1/11/13			
DRAWN BY : JSB	REV. A	DRAWING NUMBER 157-32SH-FTO	SHEET 1 OF 2
DATE REV. :			
REV. BY :			

1 GARBAGE RECEPTACLE

NTS



LENGTH OPTIONS
☐ 6' BENCH
☒ 8' BENCH

POWDER COATING COLOUR BLACK

WOOD OPTIONS
☒ 'C' & BTR. DOUGLAS FIR KD S4S EE
☐ IPE S4S EE
☐ OTHER

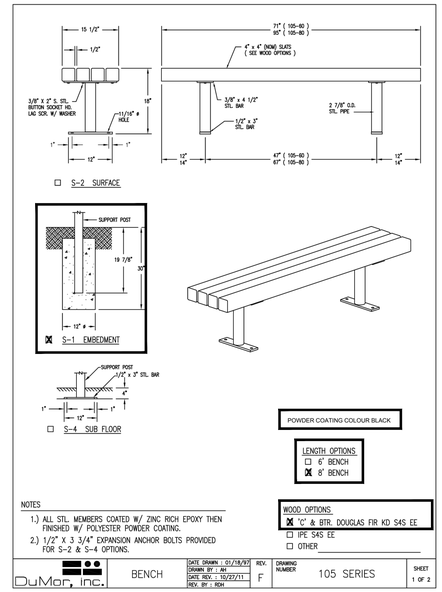
NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) ALL WOOD MEMBERS TREATED W/ CLEAR PRESERVATIVE.
3.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR S-2, & S-4 OPTIONS.

DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE : NONE	TITLE : BENCH		
DATE DRAWN : 3/22/94			
DRAWN BY : AH	REV. G	DRAWING NUMBER 56 SERIES	SHEET 1 OF 2
DATE REV. : 10/28/11			
REV. BY : ESS			

2 BENCH WITH BACKREST

NTS



POWDER COATING COLOUR BLACK

LENGTH OPTIONS
☐ 6' BENCH
☒ 8' BENCH

WOOD OPTIONS
☒ 'C' & BTR. DOUGLAS FIR KD S4S EE
☐ IPE S4S EE
☐ OTHER

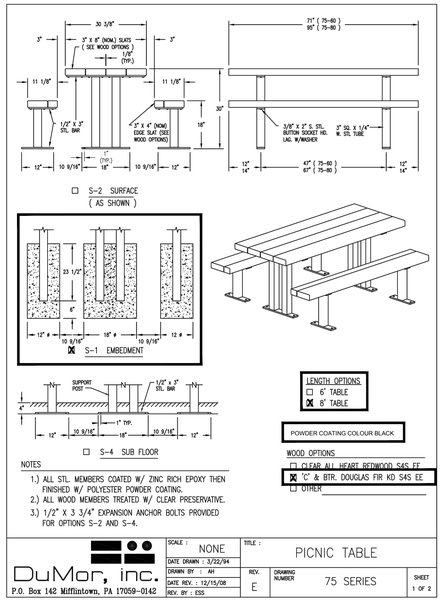
NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR S-2 & S-4 OPTIONS.

DuMor, inc.

BENCH	DATE DRAWN : 01/18/97 DRAWN BY : AH DATE REV. : 10/27/11 REV. BY : RDH	REV. F	DRAWING NUMBER 105 SERIES	SHEET 1 OF 2

3 BACKLESS BENCH

NTS



LENGTH OPTIONS
☐ 6' TABLE
☒ 8' TABLE

POWDER COATING COLOUR BLACK

WOOD OPTIONS
☐ CLEAR ALL HEART REDWOOD S4S EE
☒ 'C' & BTR. DOUGLAS FIR KD S4S EE
☐ OTHER

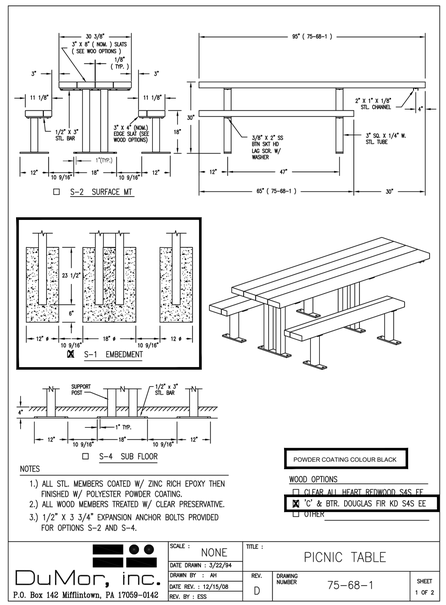
NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) ALL WOOD MEMBERS TREATED W/ CLEAR PRESERVATIVE.
3.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 AND S-4.

DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE : NONE	TITLE : PICNIC TABLE		
DATE DRAWN : 3/22/94			
DRAWN BY : AH	REV. E	DRAWING NUMBER 75 SERIES	SHEET 1 OF 2
DATE REV. : 12/15/08			
REV. BY : ESS			

4 PICNIC TABLE

NTS



POWDER COATING COLOUR BLACK

WOOD OPTIONS
☐ CLEAR ALL HEART REDWOOD S4S EE
☒ 'C' & BTR. DOUGLAS FIR KD S4S EE
☐ OTHER

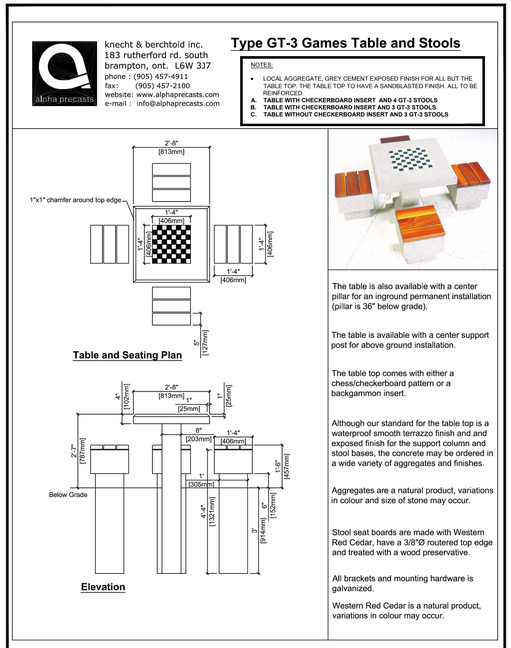
NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) ALL WOOD MEMBERS TREATED W/ CLEAR PRESERVATIVE.
3.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 AND S-4.

DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142

SCALE : NONE	TITLE : PICNIC TABLE		
DATE DRAWN : 3/22/94			
DRAWN BY : AH	REV. D	DRAWING NUMBER 75-68-1	SHEET 1 OF 2
DATE REV. : 12/15/08			
REV. BY : ESS			

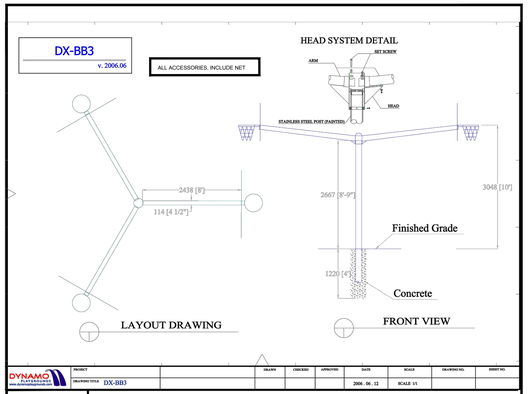
5 ACCESSIBLE PICNIC TABLE

NTS



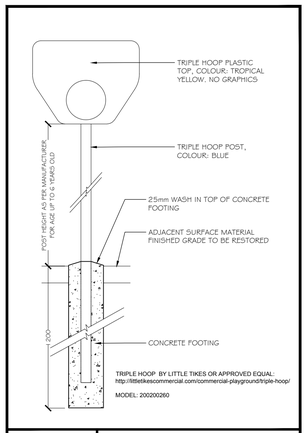
6 CHESS TABLE

NTS



7 TRI-ARM BASKETBALL NET

NTS



8 TRIPLE HOOP

NTS

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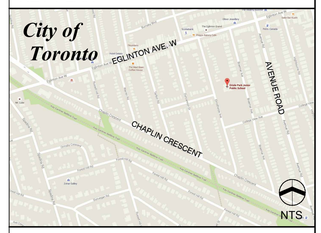
KEY PLAN



NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
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3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT:
tdsb
Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
Burlington, ON | L7R 2H4
905.634.3110 | seferiandesign.com

SHEET TITLE:
LANDSCAPE DETAILS

DWG No: D-5	SCALE: AS NOTED
	PROJECT NO: 18-010
STAMP: ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS Haig Seferian OALA MEMBER	DRAWN BY: SW
	DESIGN BY: SW
	CHECKED BY: HS
	SHEET No: 13 of 14
	NORTH

PRINT DATE: Monday April 16, 2018

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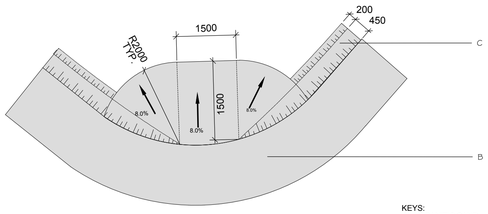
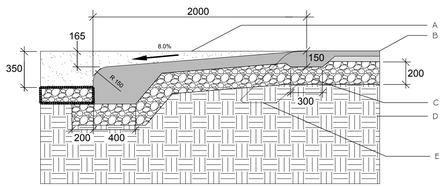


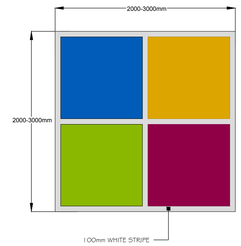
PLAN



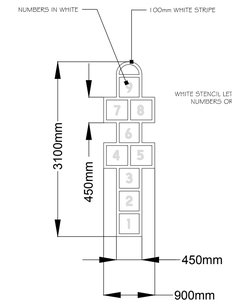
SECTION

KEYS:
A. GRANITIC SAND
B. 80mm DEPTH ASPHALT
C. 19mm GRANULAR B COMPACTED TO 100% SPD
D. COMPACTED OR UNDISTURBED SUBGRADE
E. EDGE OF ASPHALT

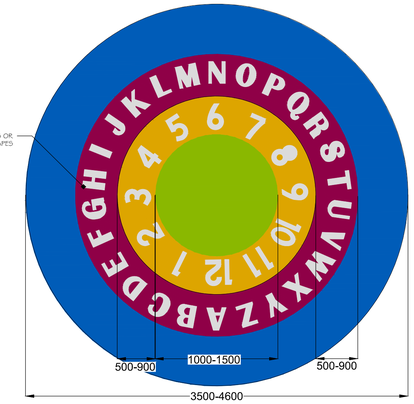
1 ASPHALT RAMP FOR PLAY GROUND NTS



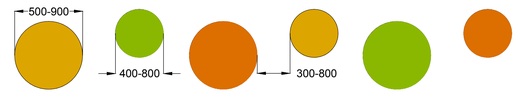
TYPE A- FOUR SQUARE



TYPE B- HOPSCOTCH



TYPE C



TYPE D- LILY PADS (SEPARATE ITEM)

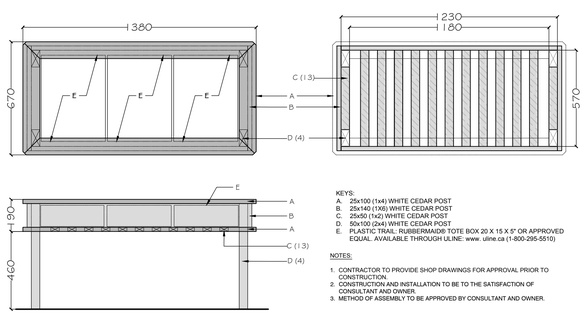
ALL PAINTING PRODUCTS BY HUB SURFACE SYSTEMS OR APPROVED EQUAL.

HUB SURFACE SYSTEMS
416-540-9287
HUBBS.COM

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS, NOT TO SCALE.
2. DIMENSIONS ARE STANDARD, UNLESS OTHERWISE NOTED ON LAYOUT PLAN.
3. VARIATIONS ON CIRCLE PAINTINGS AS PER LAYOUT PLAN.
4. PAINT AND COLOURS TO BE AS PER PLANS AND SPECIFICATIONS.
5. TRACKS ARE TO BE LAYED OUT AND APPROVED ON SITE
6. ASPHALT PAINTING TO BE STREETBOND® BY HUB (HUBSS.COM) OR APPROVED EQUAL.
7. WHITE LINES: A 100mm WHITE STRIPE SHALL BE PAINTED AS INDICATED IN THE PLAN, WITH EXCEPTION OF THE HOPSCOTCH (REFER TO DETAIL).
8. NUMBERS AND LETTERS IN WHITE
9. CONTRACTOR TO PROVIDE SAMPLES OF PAINT COLOURS AND TEMPLATES OF NUMBERS AND LETTERS FOR APPROVAL, PRIOR TO INSTALLATION.
10. ALL SEPARATE OR PROVISIONAL ITEMS MUST HAVE LOCATION APPROVED BY SCHOOL PRINCIPAL AND CONSTRUCTION ADMIN. BEFORE INSTALLATION

PAINT COLOUR GUIDE
RED
ORANGE
YELLOW
BLUE
GREEN

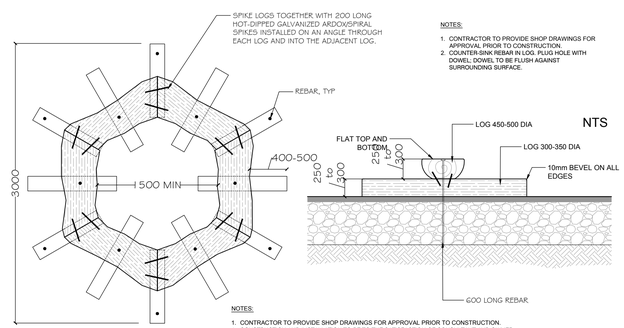
2 PAINTED GAMES / ITEMS NTS



KEYS:
A. 25x100 (1x4) WHITE CEDAR POST
B. 25x140 (1X6) WHITE CEDAR POST
C. 25x50 (1x2) WHITE CEDAR POST
D. 50x100 (2x4) WHITE CEDAR POST
E. PLASTIC TRAIL: RUBBERMAID® TOTE BOX 20 X 15 X 5" OR APPROVED EQUAL. AVAILABLE THROUGH ULINE: www. uline.ca (1-800-295-5510)

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
2. CONSTRUCTION AND INSTALLATION TO BE TO THE SATISFACTION OF CONSULTANT AND OWNER.
3. METHOD OF ASSEMBLY TO BE APPROVED BY CONSULTANT AND OWNER.

3 SENSORY TABLE (SEPARATE ITEM) NTS



NTS

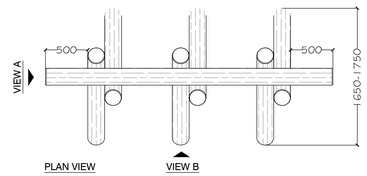
NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
2. CONSTRUCTION AND INSTALLATION TO BE TO THE SATISFACTION OF CONSULTANT AND OWNER.

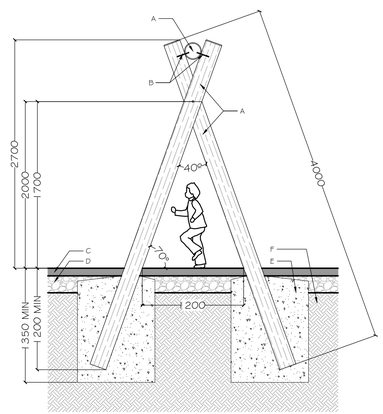
NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
2. CONSTRUCTION AND INSTALLATION TO BE TO THE SATISFACTION OF CONSULTANT AND OWNER.

4 TABLE AROUND TREE (SEPARATE ITEM) NTS

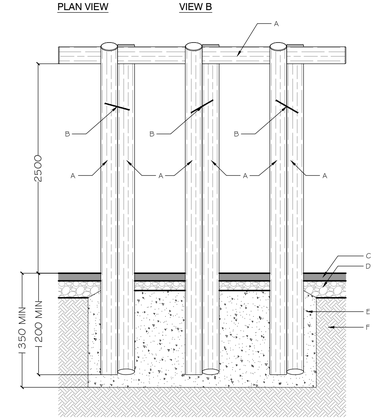
KEYS:
A. ROUND POSTS Ø200-250 PLACED AS SHOWN. POSTS TO BE LIGHTLY SANDED WITH BELT SANDER PRIOR TO INSTALLATION.
B. SPIKE LOGS TOGETHER WITH 200 LONG HOT-DIPPED GALVANIZED ARDOX/SPIRAL SPIKES INSTALLED ON AN ANGLE THROUGH EACH LOG AND INTO THE ADJACENT LOG.
C. ADJACENT SURFACE MATERIAL. REFER TO PLANS AND DETAILS.
D. GRANULAR BASE IF REQUIRED. REFER TO PLANS AND DETAILS FOR ADJACENT SURFACE MATERIAL.
E. MIN 150mm (ON ALL SIDES) 19mm CRUSHER RUN LIMESTONE BACKFILL COMPACTED IN 100mm LIFTS
F. ORIGINAL COMPETENT SOIL OR COMPACTED SUBGRADE

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO CONSTRUCTION.
2. CONSTRUCTION AND INSTALLATION TO BE TO THE SATISFACTION OF CONSULTANT AND OWNER.
3. METHOD OF ASSEMBLY TO BE APPROVED BY CONSULTANT AND OWNER.
4. POSTS TO BE PEELED. ENSURE WOOD IS FREE OF SPLINTERS, STABLE AND FREE OF MOVEMENT AFTER INSTALLATION.





VIEW A



VIEW B

5 LOG TUNNEL (SEPARATE ITEM) NTS

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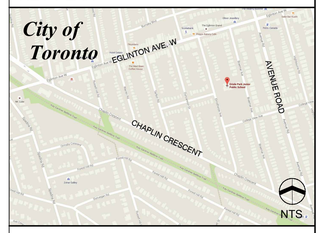
KEY PLAN



NO.	REVISIONS	DATE:

NO.	ISSUED	DATE:
1	ISSUED FOR REVIEW	MAR 14, 2018
2	ISSUED FOR TENDER	APR 03, 2018
3	RE-ISSUED FOR TENDER	APR 16, 2018

CLIENT:
tdsb
Toronto District School Board

PROJECT TITLE:
ORIOLE PARK PS
80 Braemar Avenue, Toronto
M5P 2L4

Seferian
SEFERIAN DESIGN GROUP
761 Brant Street, Suite 202
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905.634.3110 | seferiandesign.com

SHEET TITLE:
LANDSCAPE DETAILS

DWG No: D-6

SCALE:	AS NOTED
PROJECT NO:	18-010
DRAWN BY:	SW
DESIGN BY:	SW
CHECKED BY:	HS
SHEET No:	14 of 14
NORTH	

STAMP:
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
Haig Seferian
OALA
MEMBER

PRINT DATE: Monday April 16, 2018

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