

VIMY PARK
TOPOGRAPHICAL PLAN

LEGEND

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Hydro Pole

Light Standard

Guy Wire

Telephone Pedestal

Spot Elevation

Deciduous Tree

Storm Manhole

Sanitary Manhole

Post / Bollard

Sign

Gas Valve

Bell Manhole

Sanitary Manhole

Parking Meter

Catch Basin

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111.00

111.50

Chain Link Fence

Property

Edge of Pavement

Back of Curb

Index Contour

Intermediate Contour
-
- Benchmark No. 3470
Elevation : 78.304

DESCRIPTION
Lakeshore Road bridge over Credit River. Tablet in North-West face of most Nly concrete abutment on North-East side of road, 2m South-West of end and 0.3m below bottom of curb.

Note: Elevations shown are to the Canadian Geodetic Datum, 1928 (not the 1978 Southern Ontario Adjustment).
- Note :
Contour interval equals 0.25 metres.

Property Lines and Building outlines shown on the plan are graphic representations and are taken from available office records. They have not been verified by field survey.

Caution :
Before digging, services should be located on site by the respective agencies.

It is the responsibility of the contractor to ensure that the local bench marks have not been altered or disturbed and that their relative elevations and descriptions agree with the information shown on this plan.

Boundary information shown hereon is derived from the City's cadastral land base.

This is not a Plan of Survey.

All measurements are to be verified in the field

Information contained in this plan is intended for the use by the City of Mississauga only.
- SOURCE DATA
- COMPILATION :
City of Mississauga, Corporate Services Department, Information Technology Division, Digital Services and Mobility, Geospatial Solutions, November 2019
- SURVEY :
City of Mississauga, Transportation and Works Department, Work Operations and Maintenance Division, Technical Services Section, Surveys and Inspections, September 2019
-
- FILENAME: \\cadd\Projects\Topo Surveys\196508 Vimy Park_\Vector\Vimy Park_Topo.dgn
- PLOTTED : Nov 2019 TO ORDER CALL 905-615-3347 AREA Z-08
-
- EXISTING CONDITIONS
- Project:
VIMY PARK IMPROVEMENTS
29 STAVEBANK ROAD
CITY OF MISSISSAUGA
- Project: 21-217A
- Drawing No:
- EX-001
-
- FILE DATA: \\cadd\Projects\Topo Surveys\196508 Vimy Park_\Vector\Vimy Park_Topo.dgn PLOTTED: 20-11-2019 2:04 PM

GENERAL TREE NOTES

1. All arboricultural work performed on trees such as pruning of branches and roots shall be conducted by an ISA Certified Arborist.
2. Prune and mitigate limbs and roots damaged by construction work in accordance with ANSI A300 (Part 1) - 2008 Pruning and the Best Management Practices companion publication (revised 2008).
3. Tree Protection Fence to be erected prior to the commencement of any construction or grading, and maintained throughout the duration of the work.
4. Tree Protection Zone is delimited by Tree Protection Fence shown on the drawings.
5. No construction or activities including the following to occur within Tree Protection Zone: excavation, equipment parking or access, storage of supplies, topsoil or fill, and refueling.
6. Tree removals (if required) will be undertaken in compliance with the Migratory Birds Convention Act. Efforts will be made to remove vegetation outside the General Nesting period (April 1 - Aug 31) for regions C1 and C2 of Ontario. In the event vegetation must be removed within the General Nesting Period, a qualified avian biologist is to review the site prior to removal to ensure compliance with the Migratory Birds Convention Act.
7. Any soils and vegetation within tree protection zone damaged by the Contractor shall be restored to the satisfaction of the Municipality by the Contractor at no additional cost to the Owner.

CONSTRUCTION WITHIN MINIMUM TREE PROTECTION ZONE

1. An ISA Certified Arborist must be present on site during construction activities within MTPZ to confirm and/or modify mitigation measures for trees to be preserved.
2. Use trenchless methods (e.g. horizontal directional drilling) to install underground services (e.g. sanitary sewers and water lines) within Minimum Tree Protection Zones.

CONSTRUCTION ACCESS PIT WITHIN MINIMUM TREE PROTECTION ZONE

1. Where access within/immediately adjacent the MTPZ cannot be avoided (e.g. underground service connection), a pit for worker access may be constructed within the MTPZ as per the following instructions.
2. Excavate soil using Air-Spade or Hydro-Vac or accepted alternative (e.g. hand dig) to avoid/minimize damage to roots.
3. Immediately following construction, topsoil is to be replaced within the excavated pit throughout the root zone. The depth of topsoil will be at least 600mm below the soil surface so as to cover all roots.
4. A qualified tree professional (e.g. ISA Certified Arborist) must be present to assess the construction process, the condition of roots during excavation, and provide guidance on root pruning as needed within the MTPZ.
5. Roots over 8cm diameter must be assessed by an ISA Certified Arborist prior to pruning, the results of which may necessitate relocation of construction activities or tree removal.
6. Do not leave tree roots exposed for more than six (6 hours). Where roots must be left exposed longer and to prevent drying, see *Exposed Root Protection*.

EXISTING UNDERGROUND SERVICES WITHIN TREE PROTECTION ZONES

1. Existing sanitary/storm sewers and water mains to be discontinued within tree protection zones will be filled (as needed) and abandoned.
2. Excavation and access for construction/removal of abandoned underground services will be conducted outside of tree protection zones.

POLE / POST CONSTRUCTION NEAR TREES - INCLUDES FENCES, RAMPS, DECKS, ETC.

1. An ISA Certified Arborist must be present on site during construction activities within tree protection zones (e.g. within 1.5 metres of outer edge of trunks) to confirm and/or modify any of the mitigation measures for trees to be preserved.
2. Pruning of branches/limbs/roots shall be in accordance with ANSI A300 (Part 1)-2008 Pruning and the Best Management Practices companion publication (revised 2008).
3. Excavate post holes using Air-Spade or Hydro-Vac technology.
4. Prune exposed roots using sharp tools.
5. Roots over 8cm in diameter must be assessed by an ISA Certified Arborist prior to pruning and may require relocation of proposed construction.
6. Do not leave tree roots exposed for more than six (6 hours). Where roots must be left exposed longer and to prevent drying, see *Exposed Root Protection*.

FINISH GRADING WITHIN TREE PROTECTION ZONES

Where finish grading of cuts and fills, and including swales occurs within tree protection zones, the following steps are required.

Grade Cut:

1. Excavate by hand or Air-Spade technology to a maximum depth of 100mm.
2. Roots encountered are to be assessed by the Project Arborist to determine the extent of roots to be pruned. Based on findings, other treatments may be required (e.g. crown reduction, tree removal), and which may require approval from the City.
3. Based on root findings, local, minor adjustments to grading within the tree protection zone may be required based on field consultation between the Project Arborist and Project Engineer.
4. No access by heavy equipment into tree protection zone is permitted. Fine grading to be carried out using light equipment and/or by hand.

Grade Fill:

5. Add topsoil to meet grade requirements to a maximum of 150mm.
6. No topsoil to be added onto trunk base or above-ground section of trunk base flare.
7. Maintain positive drainage away from trunk base.
8. Based on local conditions (e.g. surface drainage), local, minor adjustments to grading within the tree protection zone may be required based on field consultation between the Project Arborist and Project Engineer.

EXPOSED ROOT PROTECTION

- Do not leave tree roots exposed for more than six (6 hours). Where roots must be left exposed longer and to prevent drying, implement the following measures:
1. Place topsoil to 150mm depth over exposed roots and soak until water penetrates 150mm into soil;
 2. Apply light-coloured, breathable tarpaulin over topsoil and pruned roots;
-OR-
Apply light-coloured, breathable tarpaulin over six, wet layers of burlap over pruned roots;
 3. Maintain tarpaulin, topsoil/burlap and moist conditions in place until backfilling completed.

ROOT SENSITIVE EXCAVATION

All root sensitive excavation must be performed under the supervision of a qualified arborist. All roots exposed must be documented by the supervising arborist. Every effort should be made to preserve as many exposed roots as possible. Roots approved for pruning should be cleanly cut with a sharp, non-vibrating tool such as a handsaw, secateurs, chainsaw at face of trench such that no further disturbance of the roots are to be expected once mechanical excavation begins. All root pruning is to be performed by the arborist only, as per guidelines below.

1. When root sensitive excavation is performed in regards to the installation of a deep site feature such as a foundation, roots of less than 5cm diameter can be cut sharply, if necessary, unless an abundance of smaller roots are involved. If roots of 5cm diameter or greater or an abundance of smaller roots are exposed in the excavation areas inside or just outside the Tree Protection Zone (TPZ) of bylaw trees they should be preserved.
2. When root sensitive excavation is performed in regards to the installation of site features such as post holes, all roots exposed of under 5cm diameter may be cleanly cut at face of hole such that no further disturbance of the roots are to be expected once mechanical excavation begins for the lower portion of the holes (below hand dug area). If roots of 5cm diameter or greater are uncovered they should be preserved, the post holes filled in with viable soil and the hole moved at least 0.5 metre away to avoid significant roots.
3. When root sensitive excavation is performed in regards to the installation of site features such as driveways, walkways, curbs, etc. roots of less than 5cm diameter can be cut sharply, if necessary, unless an abundance of smaller roots are involved. If roots of 5cm diameter or greater or an abundance of smaller roots are exposed in the excavation areas inside or just outside the TPZ of bylaw trees they should be preserved.
4. When root sensitive excavation is performed in regards to the installation of utilities such as water lines or sewers, every effort should be made to preserve as many exposed roots as possible by installing the utilities underneath the roots without root pruning. If roots of 5cm diameter or greater are uncovered they should be preserved.
5. Root sensitive excavation (RSE) shall be backfilled within the same day as excavation with fill material approved by the Consultant. The Contractor is responsible for coordinating and scheduling arborist site review and timing of backfilling to ensure that RSE does not remain open for a period exceeding six (6) hours.

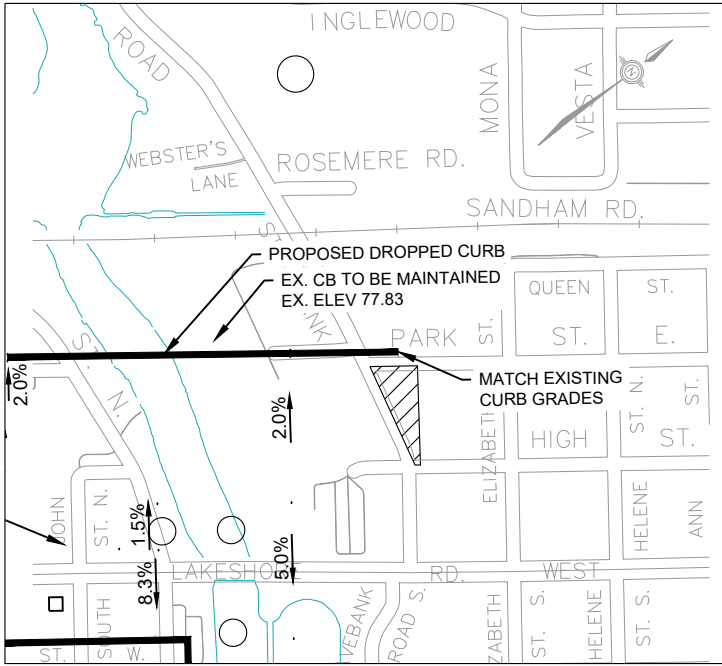
TREES OWNED BY OTHERS

1. Trees owned by others require permission (i.e. written consent) from the land owner(s) prior to activities that may damage or destroy trees. Trees owned by others are Off-site Trees and Shared Trees:
 - a. Off-site Trees - Trees on property adjacent to the subject property;
 - b. Shared (Boundary) Trees - Trees whose trunk including the basal trunk flare growing on the boundary between the subject property and adjoining property (from *Ontario Forestry Act*).

The Provincial Forestry Act, R.S.O. 1990 (Section 10):

10. (2) Every tree whose trunk is growing on the boundary between adjoining lands is the common property of the owners of the adjoining lands. 1990, c. 18 Sched. 1, s. 21.
11. (3) Every person who injures or destroys a tree growing on the boundary between adjoining lands without the consent of the land owners is guilty of an offence under this Act. 1998, c. 18, Sched. 1, s. 21.

Tree No.	Tree Species	DBH (cm) 1.2	Minimum Tree Protection Zone (m) (from outer trunk of tree)	Crown Reserve est. (m)	Biological Health (H, M, L)	Structural Condition (H, M, L)	Overall Condition (G, F, P, D)	Ownership: Private, Office, Municipal, Shared	Rec. Action - Condition: Preserve, Remove	Rec. Action - Development: Preserve, Remove	Final Recommendation: Preserve, Remove	Injury	Compensation: Yes, No	Observations/ Tree Preservation Notes	
1	Acer saccharum Sugar Maple	72	9.60	14.0	M(H)	M	G	O	P	P	P	N	N	Dead wood minor, Broken branches minor	
2	Rhus typhina Staghorn Sumac	14 [10,10]	2.40	5.0	M(L)	M	F	P	P	P	P	N	N	Dieback moderate	
3	Syringa vulgaris Common Lilac	19 [10.9, 8.8,7]	2.40	4.0	M(H)	M(H)	G	P	P	P	P	N	N		
4	Acer platanoides Norway Maple	103	12.36	15.0	M(L)	L	P	M	R	P	RC	N	Y	Major dead & broken branches, extensive dieback, multiple stems & minor cavity at 2m To be removed by City Forces (NIC)	
5	Pinus nigra Austrian Pine	47	6.00	10.0	H	H	G	P	P	P	P	N	N	Broken branches minor; tree not surveyed - tree point location estimated.	
6	Acer X freemanii Freeman Maple	25	3.60	8.0	M(H)	M	G	M	P	P	P	N	N	Frost crack minor	
7	Acer platanoides Norway Maple	63	8.40	12.0	M(H)	M(L)	G	M	P	P	P	Y	N	Broken branches moderate, hanging branches; Root sensitive excavation	
8	Gleditsia triacanthos Honey Locust	21	3.60	7.0	H	M(H)	G	M	P	P	P	N	N	Unbalanced crown minor	
9	Tilia cordata Basswood	18	2.40	6.0	H	H	G	M	P	P	P	N	N		
10	Quercus rubra Red Oak	19	2.40	6.0	H	H	G	M	P	P	P	N	N		
11	Malus pumila Apple sp.	30	3.60	8.0	M(H)	M	G	M	P	P	P	N	N	Cavity minor, Deadwood minor	
12	Acer X freemanii Freeman Maple	32	4.80	9.0	H	M(H)	G	M	P	P	P	N	N	Broken branch minor	
13	Quercus rubra Red Oak	13	2.40	4.0	H	H	G	M	P	P	P	Y	N		
Tree Inventory Summary															
Ownership															
Private Trees							3								
Office							1								
Municipal							9								
Shared Trees							0								
Total							13								
Recommendation Based on Condition															
Preserve Tree Based on Health & Structure							12								
Remove Tree Based on Health & Structure							1								
Total							13								
Recommendation Based on Development															
Preserve/Transplant Tree Based on Development Impacts							13								
Remove Tree Based on Development Impacts							0								
Total							13								
Final Recommendation															
Final Recommendation: Preserve (P)							12								
Final Recommendation: Remove due to Condition (RC)							1								
Discretionary Preservation (DP)							0								
Final Recommendation: Remove due to Development (RD)							0								
Final Recommendation: Remove due to Condition and Development (RCD)							0								
Total							13								
Injury															
Injury with MTPZ (Y)							2								
Injury with MTPZ (N)							11								
Total							13								
Compensation															
Compensation Required (Y)							1								
Compensation Required (N)							12								
Total							13								



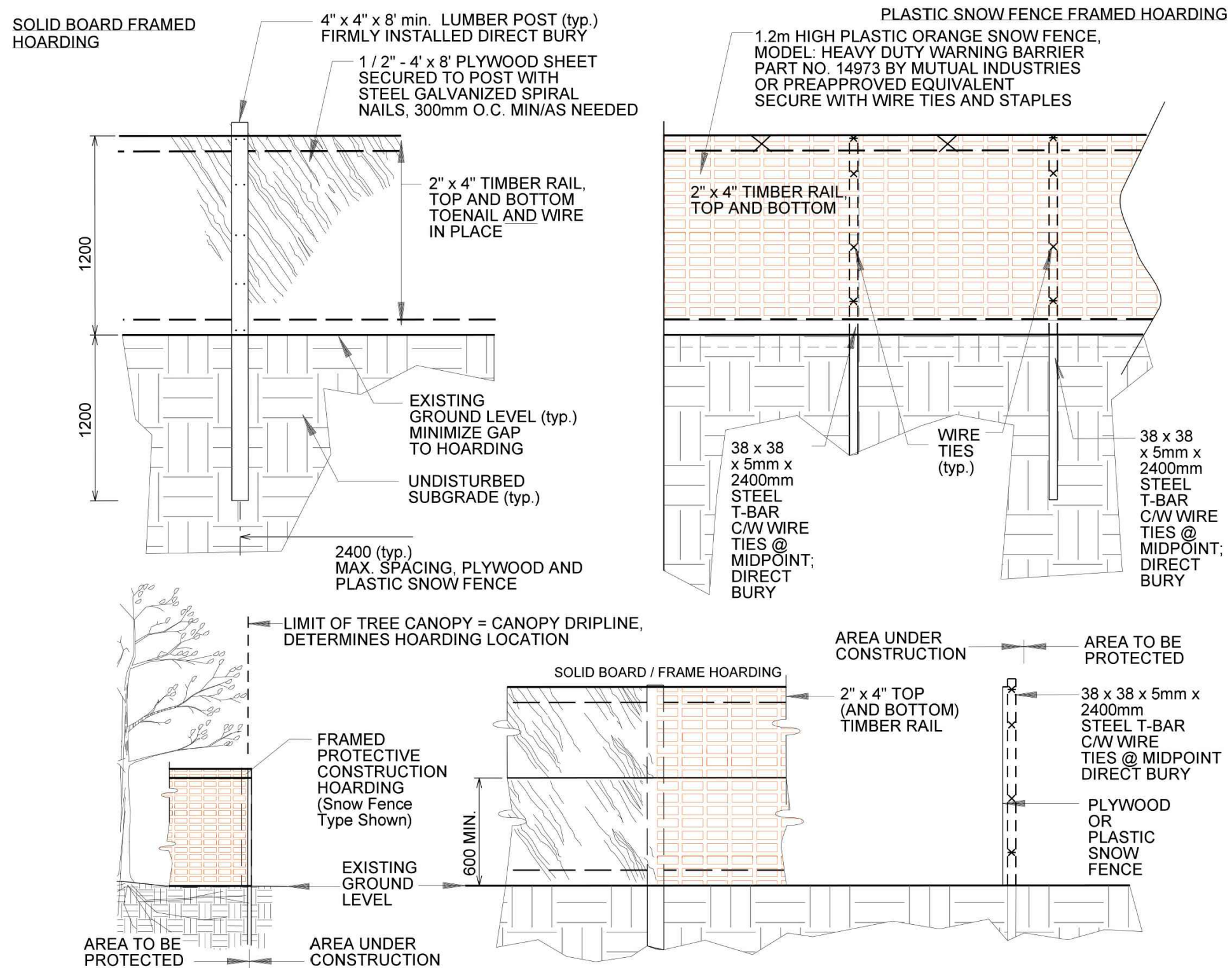
- LEGEND:**
- EXISTING TREE
ID NUMBER, THICK CIRCLE DENOTES CROWN DIAMETER (ESTIMATED), THIN CIRCLE DENOTES MINIMUM TREE PROTECTION ZONE (MTPZ), SINGLE THICK CIRCLE DENOTES BOTH CROWN DIAMETER AND MTPZ
 - PRESERVE TREE
TREE HAS MODERATE LOW TO HIGH BIOLOGICAL HEALTH AND MODERATE LOW TO HIGH STRUCTURAL CONDITION AND CAN BE INCORPORATED INTO THE PROPOSED DEVELOPMENT
 - REMOVE TREE
TREE HAS LOW BIOLOGICAL HEALTH AND/OR STRUCTURAL CONDITION
 - TPF TREE PROTECTION FENCE
 - ROOT SENSITIVE EXCAVATION WITHIN TREE PROTECTION ZONES
 - CONSTRUCTION LIMIT
 - LIGHT DUTY SILT FENCE BARRIER PER OPSD 219.110
 - PROPOSED IRRIGATION REFER TO IRRIGATION PLANS
 - PROPOSED ELECTRICAL CONDUIT REFER TO ELECTRICAL PLANS

- REVISIONS:**
- | No. | Description | By | Date |
|-----|-------------|----|-----------|
| 1 | 90% DESIGN | EE | 26 JUL-22 |
| 0 | 60% DESIGN | EE | 25 MAY-22 |
- All previous issues of this drawing are superseded.

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Consulting Arborists • Ecologists • Landscape Architects
190 Nicklin Road • Guelph • Ontario • N1H 7L5 • 519.822.6839 • www.aboutdtrg.com
- Title:
- TREE PRESERVATION PLAN**
- Project:
- VIMY PARK ENHANCEMENT**
29 STAVEBANK ROAD
CITY OF MISSISSAUGA
- Date: FEBRUARY 2022 Designer: EE
Project: 21-217A Drawn: EE
Scale: 1:200 Checked: EE



Drawing No: **T-001**



- NOTES:
1. HOARDING LOCATION AS PER DRAWINGS. HOARDING INSTALLATIONS ARE TO INCLUDE WOVEN GEOTEXTILE FABRIC FOR SEDIMENT CONTROL.
 2. NO MOBILIZATION OR CONSTRUCTION WORK TO OCCUR UNTIL HOARDING HAS BEEN INSPECTED AND APPROVED BY COMMUNITY SERVICES PROJECT MANAGER (CSPM). CONTRACTOR TO ARRANGE FOR A HOARDING INSPECTION WITH (CSPM), 48 HOUR NOTICE REQUIRED.
 3. HOARDING TO BE SUPPLIED, INSTALLED AND MAINTAINED BY THE CONTRACTOR THROUGH ALL PHASES OF WORK ON SITE.
 4. THE CONTRACTOR IS TO REMOVE AND DISPOSE THE HOARDING OFF SITE WHEN DIRECTED BY THE (CSPM).
 5. ALL WOOD PRODUCTS TO BE NEW AND LUMBER KILN DRIED SPF.
 6. ALL FASTENERS TO BE NEW GALVANIZED STEEL AND SECURELY INSTALLED. WIRE TIES MIN 3.5mm DIA. GALVANIZED STEEL.
 7. DO NOT ALLOW WATER TO COLLECT AND/OR POND ON EITHER SIDE OF THE HOARDING.
 8. WHEN INSTALLING DIRECT BURY TIMBER POSTS AND T-BARS, TAKE CARE TO AVOID VISIBLE AND ASCERTAINABLE TREE ROOTS.
 9. PLACE HOARDING AT LIMIT OF TREE CANOPY DRIP LINE OR BEYOND (E.G. FURTHER AWAY FROM TRUNK) OF TREE.
 10. HOARDED OFF AREA TO REMAIN UNDISTURBED. NO STOCKPILING, STAGING OR MOVEMENT OF VEHICLES TO OCCUR WITHIN PROTECTED AREA.
 11. FOR PROTECTION OF TREE'S AND ROOT SYSTEM, CONTRACTOR MAY BE REQUIRED TO PROVIDE WATERING, MULCHING, FERTILIZING, PRUNING OR OTHER ACTIVITIES TO ENSURE THE HEALTH OF THE TREE(S).
 12. ALL MEASUREMENTS IN MILLIMETRES UNLESS NOTED OTHERWISE (E.G. DIMENSIONAL LUMBER).
 13. CONTRACTOR RESPONSIBLE FOR LOCATES

1 TREE PROTECTION FENCING
T-002 N.T.S.

Tree Protection Zone (TPZ)

BY-LAW

No construction activities, including grade changes, storage of materials or equipment, dumping, excavation is permitted within this TPZ

This tree protection barrier must remain in good condition and must not be removed or altered without the authorization of City of Mississauga, Urban Forestry.

Concerns or inquires regarding this TPZ can be directed to:

(3-1-1)

Dial 3-11

905-615-4311
outside city limits

1. Tree preservation signs are to be 16 inches by 24 inches (40.64 cm by 60.96 cm) and on a waterproof material.
2. Installation of the signs is mandatory, and all associated costs of the signage are the sole responsibility of the Contractor.
3. Contractor to install one sign every Xm. Where construction fence is acting as Tree Protection Fencing, Signage shall be affixed to the construction fencing on the inside of the construction zone.
4. No other signage is permitted to be fixed onto any tree protection hoarding.

2 TREE PROTECTION SIGNAGE
T-002 N.T.S.

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1	90% DESIGN	EE	26 JUL-22
0	60% DESIGN	EE	25 MAY-22
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superceded

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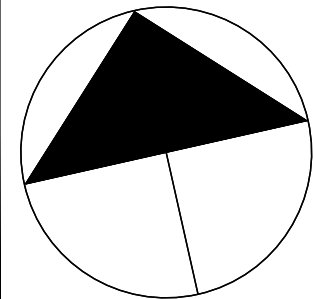
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TREE PRESERVATION DETAILS

Project:
VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022 Designer: EE

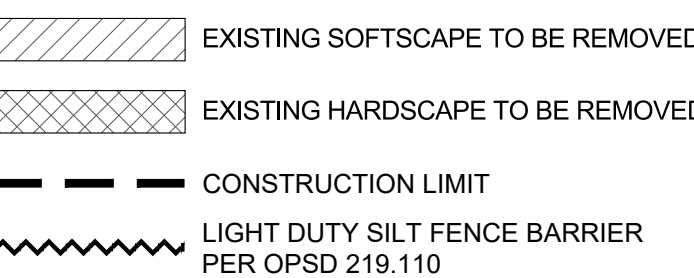
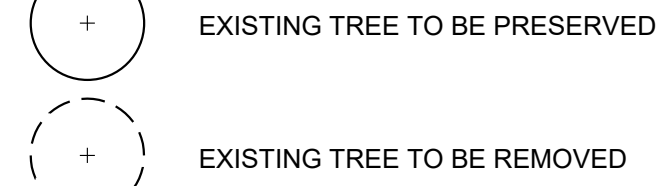
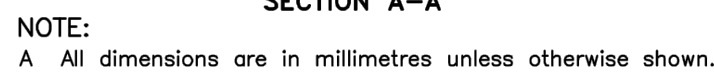
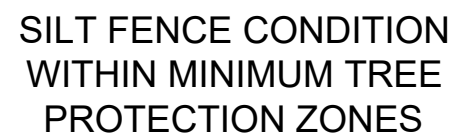
Project: 21-217A Drawn: EE

Scale: 1:150 Checked: EE



Drawing No:
T-002

1. DEMOLITION AND REMOVALS SHALL BE IN ACCORDANCE WITH xx CONSTRUCTION SPECIFICATION FOR GENERAL EXCAVATION.
2. DEMOLITION PLAN TO BE READ IN CONJUNCTION WITH:
 - 2.1. TREE PRESERVATION PLAN. REFER TO DRAWING T-001 FOR TREE PROTECTION AND ROOT SENSITIVE EXCAVATION MEASURES.
 - 2.2. EROSION AND SEDIMENT CONTROL PLAN. REFER TO DRAWING XXX.
 - 2.3. STRUCTURAL DRAWINGS, DETAILS, AND SPECIFICATIONS REGARDING REMOVALS AROUND CENOTAPH. PROTECTION REQUIREMENTS AND MONITORING. REFER TO XXX.
 - 2.4. ELECTRICAL DRAWINGS, DETAILS, AND SPECIFICATIONS REGARDING REMOVAL OF EXISTING LIGHT STANDARDS AND ASSOCIATED ELECTRICAL INFRASTRUCTURE. REFER TO XXX



REMOVE EXISTING ASPHALT TRAIL AND BASE COURSES. REFER TO TREE PRESERVATION PLAN FOR DETAILS REGARDING ROOT SENSITIVE EXCAVATION IN TREE PROTECTION ZONES.

- REMOVE EXISTING HOSE BIB
- REMOVE ASPHALT PAVING AND COURSES

- REMOVE EXISTING PLANTER WALL AND WALL FOOTINGS

- REMOVE EXISTING STONE TERRACE. REFER TO STRUCTURAL DRAWINGS FOR NOTES, DETAILS, AND SPECIFICATIONS REGARDING REMOVALS AROUND CENOTAPH, PROTECTION REQUIREMENTS AND MONITORING.

REMOVE EXISTING PLANTINGS, INCLUDING BOXWOOD HEDGES
PLANTING SOIL AND ASSOCIATED SUB-SURFACE MATERIAL.

DO NOT EXCAVATE FOR SILT FENCING WITHIN
MINIMUM TREE PROTECTION ZONE. REFER TO
DETAIL ABOVE.

REMOVE EXISTING PEDESTRIAL LIGHT STANDARDS. TYPICAL.
REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

REMOVE EXISTING SOD, TOPSOIL, AND SUBSOILS IN
PREPARATION FOR PROPOSED HARDSCAPE SURFACING.

DO NOT EXCAVATE FOR SILT FENCING WITHIN
MINIMUM TREE PROTECTION ZONE. REFER TO
DETAIL ABOVE.

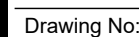
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Title: LANDSCAPE DEMOLITION PLAN

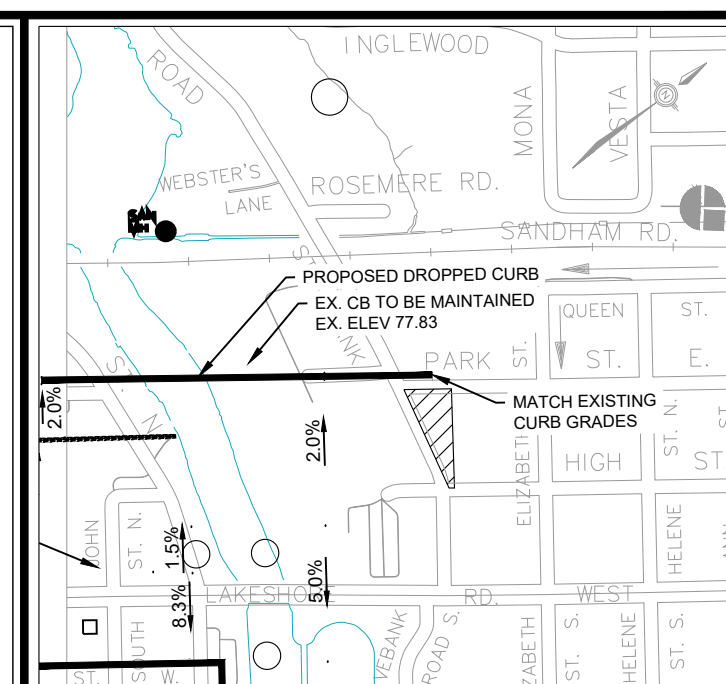
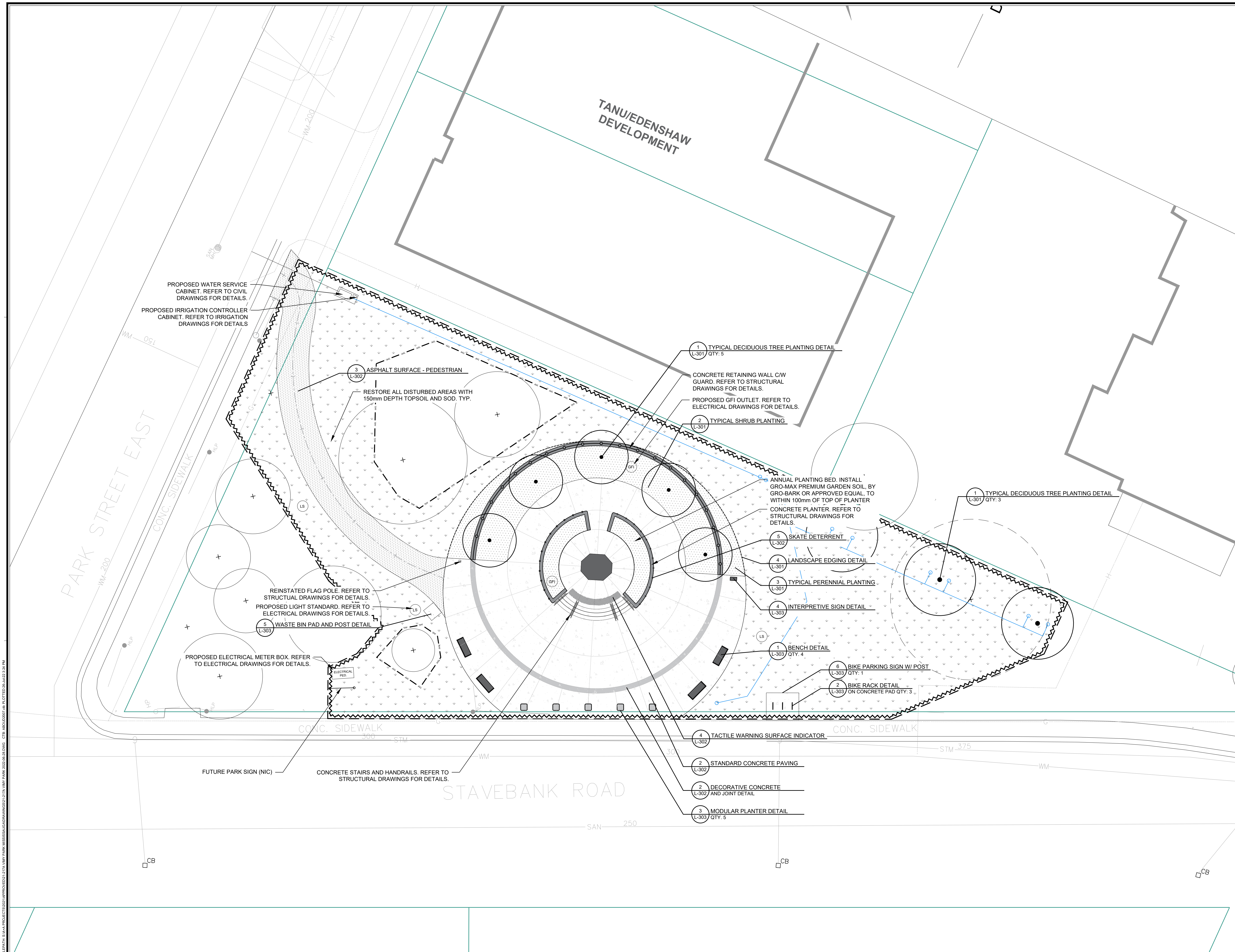
Project:

VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022	Designer: EE
Project: 21-217A	Drawn: EE
Scale: 1:150	Checked: EE



L-001



1	90% DESIGN	EE	26 JUL-22
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No.	Description	By	Date

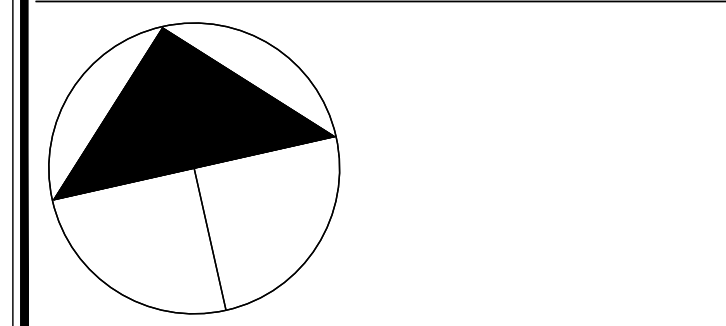
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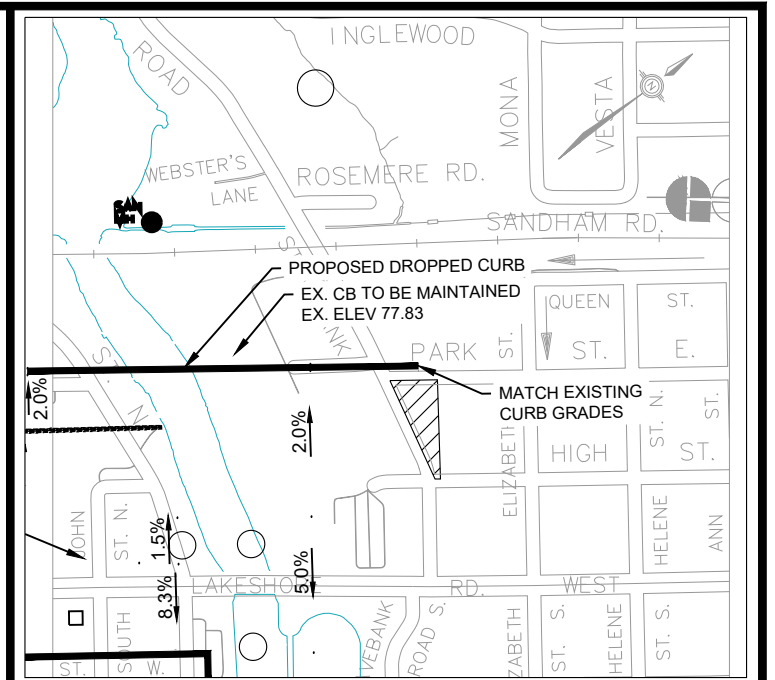
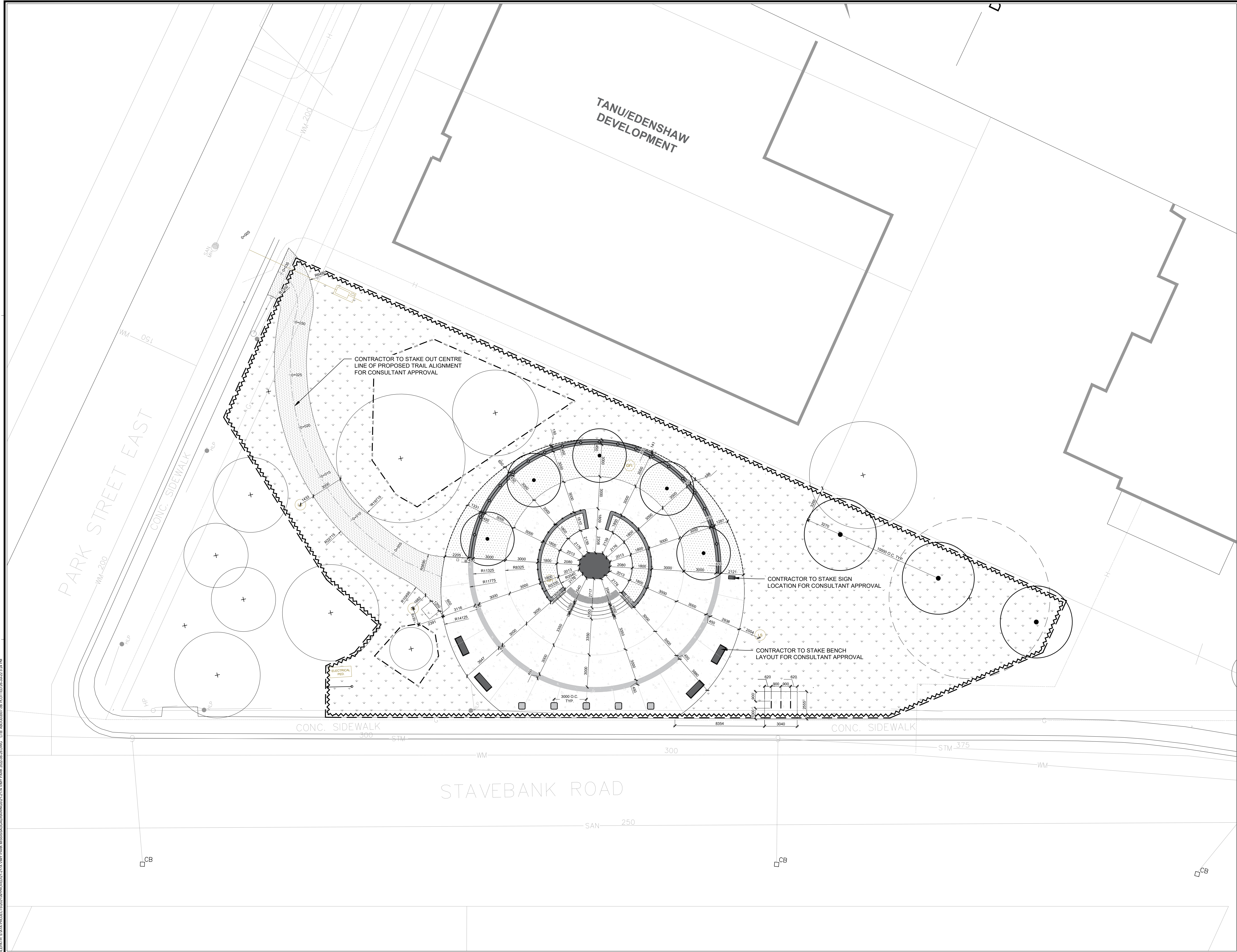
LANDSCAPE MATERIALS PLAN

Project: **VIMY PARK ENHANCEMENT**
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022 Designer: EE
Project: 21-217A Drawn: EE
Scale: 1:150 Checked: EE



Drawing No: **L-100**



- LEGEND:
- PROPOSED DECIDUOUS TREES
 - PROPOSED BENCH
 - PROPOSED BIKE RACK
 - PROPOSED MODULAR PLANTER
 - PROPOSED INTERPRETIVE SIGN
 - PROPOSED LIGHT STANDARD
 - PROPOSED PARK SIGN (NIC)
 - PROPOSED SOD
 - PROPOSED CONCRETE PAVING
 - PROPOSED ASPHALT PAVING
 - PROPOSED PLANTING BED
 - PROPOSED GUARD RAIL
 - EXISTING TREE TO BE PRESERVED
 - EXISTING TREE TO BE REMOVED
 - TPF
 - TREE PROTECTION FENCE
 - CONSTRUCTION LIMIT

1	90% DESIGN	EE	26 JUL-22
0	60% DESIGN	EE	25 MAY-22
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REVISIONS: All previous issues of this drawing are superseded.

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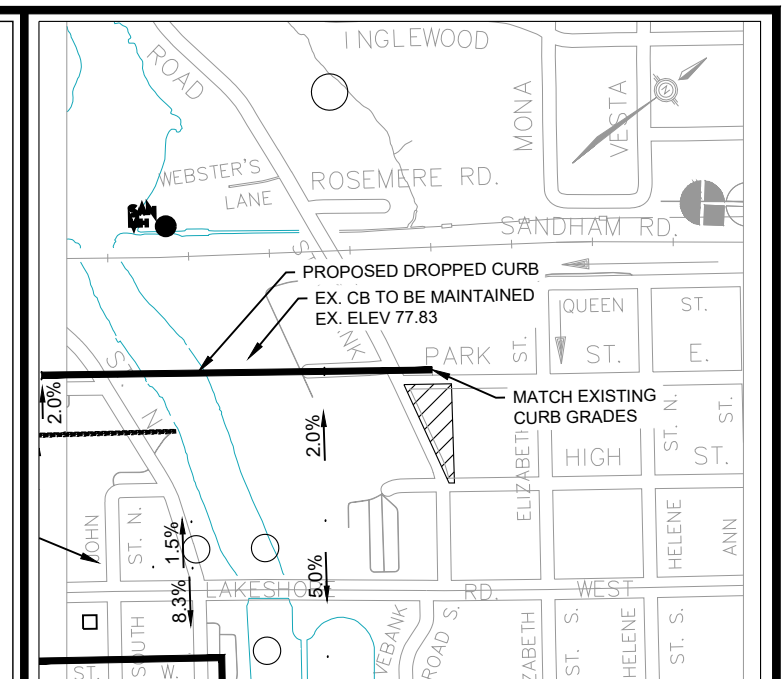
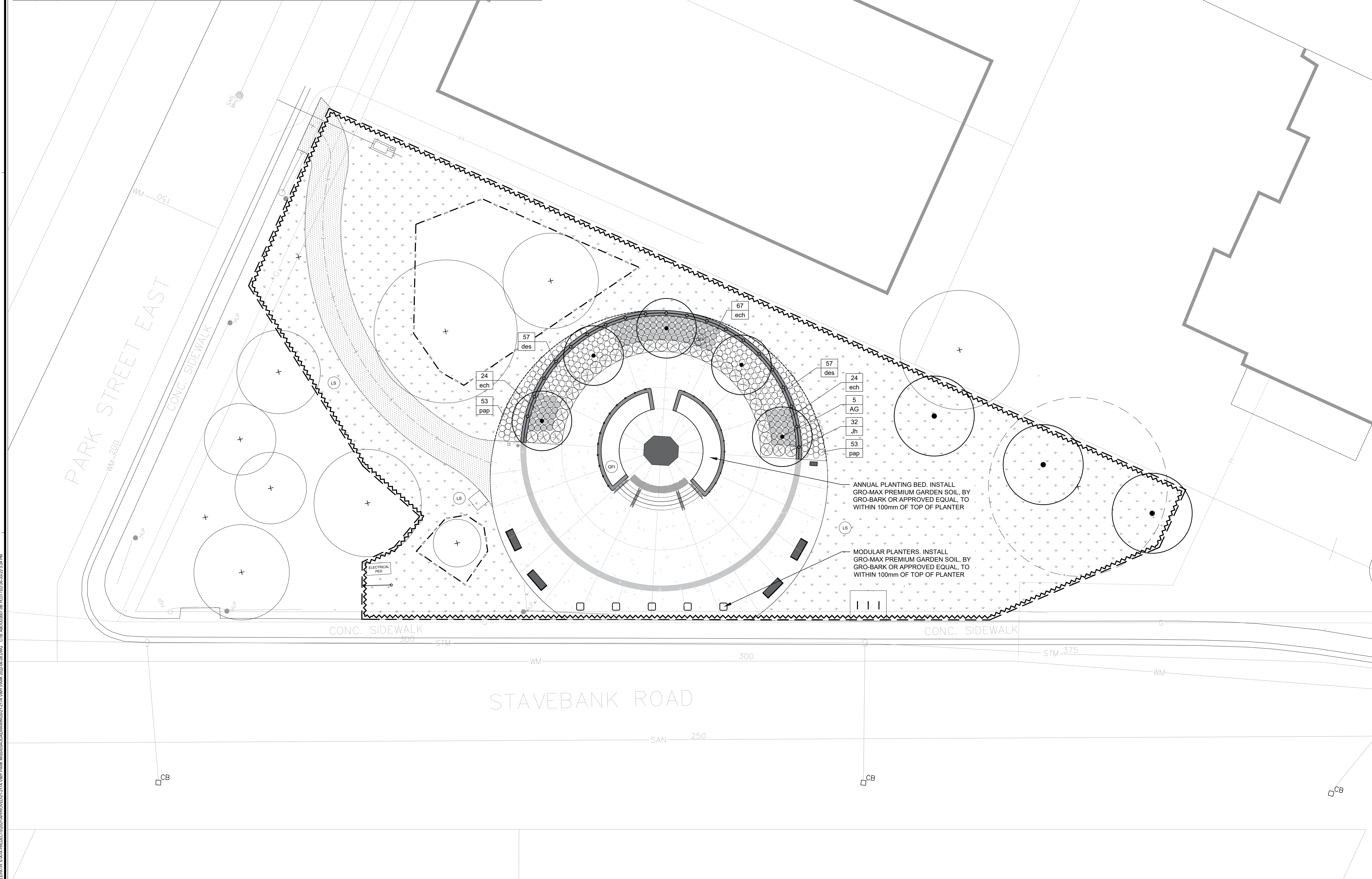
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LANDSCAPE LAYOUT PLAN

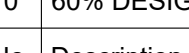
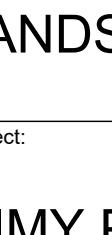
Project:
VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022	Designer: EE
Project: 21-217A	Drawn: EE
Scale: 1:150	Checked: EE

Drawing No:
L-101

PLANT LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	REMARKS
TREES						
AG	5	AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE	AUTUMN BRILLIANCE SERVICEBERRY	50mm CAL	WB	7.0m O.C. AS SHOWN
AR	3	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	60mm CAL	WB	10.0m O.C. AS SHOWN
	8	TOTAL TREES				
SHRUBS						
Jh	32	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUECHIP JUNIPER	40cm HGT	3 GAL.	1.0m O.C.
	32	TOTAL SHRUBS				
ORNAMENTAL GRASSES AND PERENNIALS						
des	114	DESCHAMPSIA CESPITOSA 'GOLD DEW'	GOLDDAU TUFTED HAIR GRASS	-	1 GAL	0.5m O.C.
pap	106	PAPAVER RHOEAS	FLANDERS POPPY	-	1 GAL	0.5m O.C.
ech	115	ECHINACEA PURPUREA 'PRAIRIE SPLENDOR'	PRAIRIE SPLEANDOR ECHINACEA	-	1 GAL	
	335	TOTAL ORNAMENTAL GRASSES AND PERENNIALS				



- LEGEND:**
- | | | | |
|---|--|-----|-----------|
|  | PROPOSED DECIDUOUS TREES | | |
|  | PROPOSED CONIFEROUS SHRUBS | | |
|  | PROPOSED ORNAMENTAL GRASSES AND PERENNIALS | | |
| <table border="1" data-bbox="2719 670 2743 715"> <tr> <td>QTY</td> </tr> <tr> <td>SPE</td> </tr> </table> | QTY | SPE | PLANT KEY |
| QTY | | | |
| SPE | | | |
|  | PROPOSED BENCH | | |
|  | PROPOSED BIKE RACK | | |
|  | PROPOSED MODULAR PLANTER | | |
|  | PROPOSED INTERPRETIVE SIGN | | |
|  | PROPOSED LIGHT STANDARD | | |
|  | PROPOSED PARK SIGN (NIC) | | |
|  | PROPOSED SOD | | |
|  | PROPOSED CONCRETE PAVING | | |
|  | PROPOSED ASPHALT PAVING | | |
|  | PROPOSED PLANTING BED | | |
|  | PROPOSED GUARD RAIL | | |
|  | EXISTING TREE TO BE PRESERVED | | |
|  | EXISTING TREE TO BE REMOVED | | |
|  | TPF | | |
|  | CONSTRUCTION LIMIT | | |

1	90% DESIGN	EE	26 JUL-22
0	60% DESIGN	EE	25 MAY-22
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superceded



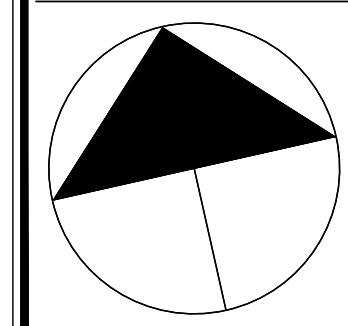
Title: _____

LANDSCAPE LAYOUT PLAN

Project: _____

VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

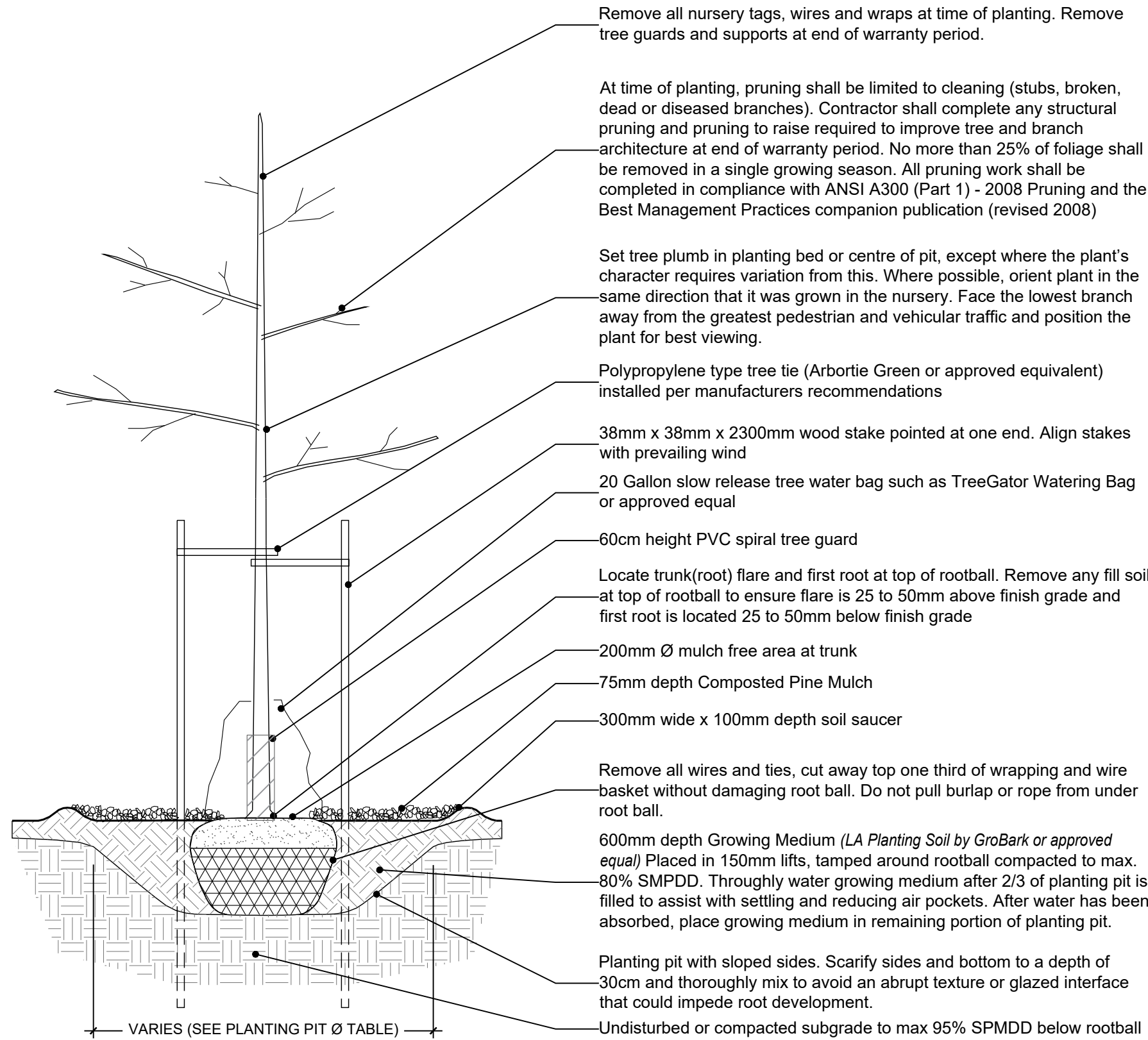
Date: FEBRUARY 2022	Designer: EE
Project: 21-217A	Drawn: EE
Scale: 1:150	Checked: EE



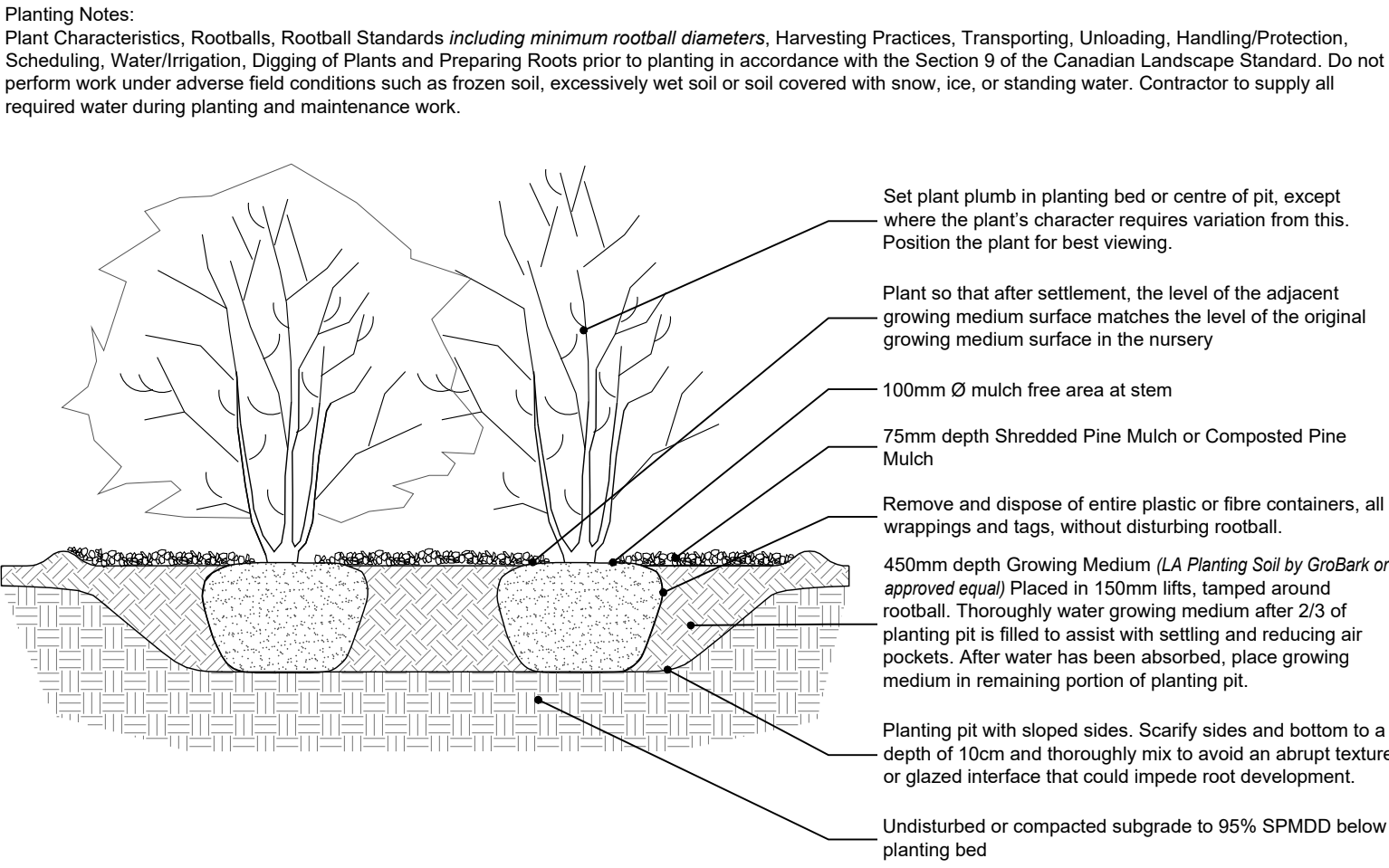
Drawing No: **L-102**

PLANTING PIT Ø TABLE		
Caliper	Rootball Ø	Min. Pit Ø
40 mm	50 cm	1.8 m
50 mm	60 cm	2.1 m
60 mm	70 cm	2.4 m
70 mm	75 cm	2.7 m
80 mm	80 cm	3.0 m

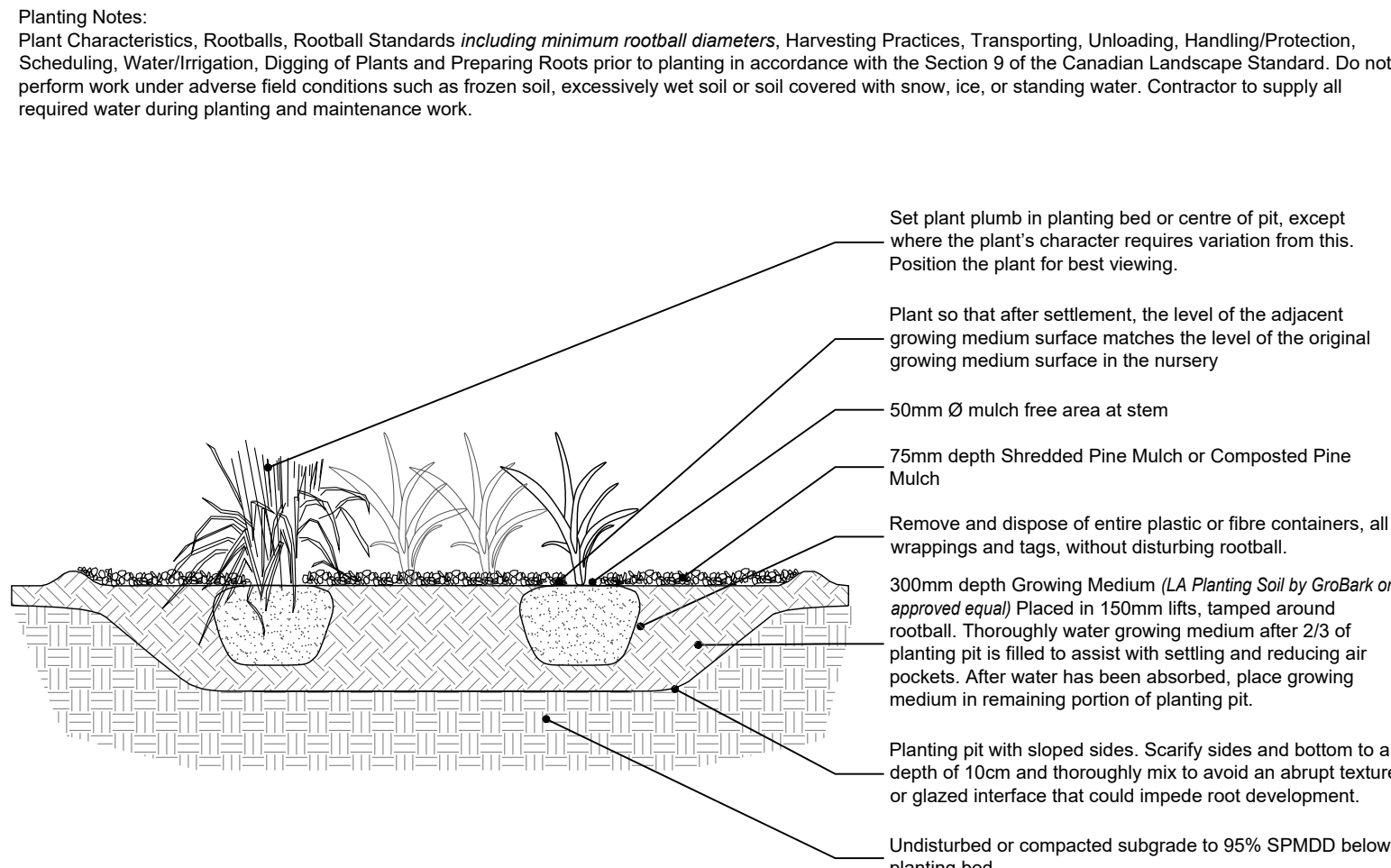
Plant Characteristics, Rootballs, Rootball Standards *including minimum rootball diameters*, Harvesting Practices, Transporting, Unloading, Handling/Protection, Scheduling, Water/Irrigation, Digging of Plants and Preparing Roots prior to planting in accordance with the Section 9 of the Canadian Landscape Standard. Do not perform work under adverse field conditions such as frozen soil, excessively wet soil or soil covered with snow, ice, or standing water. Contractor to supply all required water during planting and maintenance work.



1 TYPICAL DECIDUOUS TREE PLANTING DETAIL
L-301 N.T.S.



2 TYPICAL SHRUB PLANTING - CONTINUOUS BED
L-301 N.T.S.



3 TYPICAL PERENNIAL PLANTING - CONTINUOUS BED
L-301 N.T.S.



PERMALOC CORPORATION
13505 BARRY ST
HOLLAND, MI 49424
TOLL FREE: 1-800-356-9660
PHONE: (616) 399-9600
FAX: (616) 399-9770
www.permaloc.com

CLEAN LINE COMMERCIAL GRADE LANDSCAPE EDGING

SELECT DESIRED SIZE AND FINISH:

1/8" X 3" (3.2 MM X 76 MM), 0.072" (1.83 MM) THICK
WITH 0.135" (3.43 MM) EXPOSED TOP LIP

MF BL

1/8" X 4" (3.2 MM X 102 MM), 0.072" (1.83 MM) THICK
WITH 0.135" (3.43 MM) EXPOSED TOP LIP

MF BL GR BR BLANO

3/16" X 4" (4.8 MM X 102 MM), 0.116" (2.95 MM) THICK
WITH 0.187" (4.75 MM) EXPOSED TOP LIP

MF BL GR BR BLANO

1/8" X 5 1/2" (3.2 MM X 140 MM), 0.072" (1.82 MM)
THICK WITH 0.135" (3.43 MM) EXPOSED TOP LIP

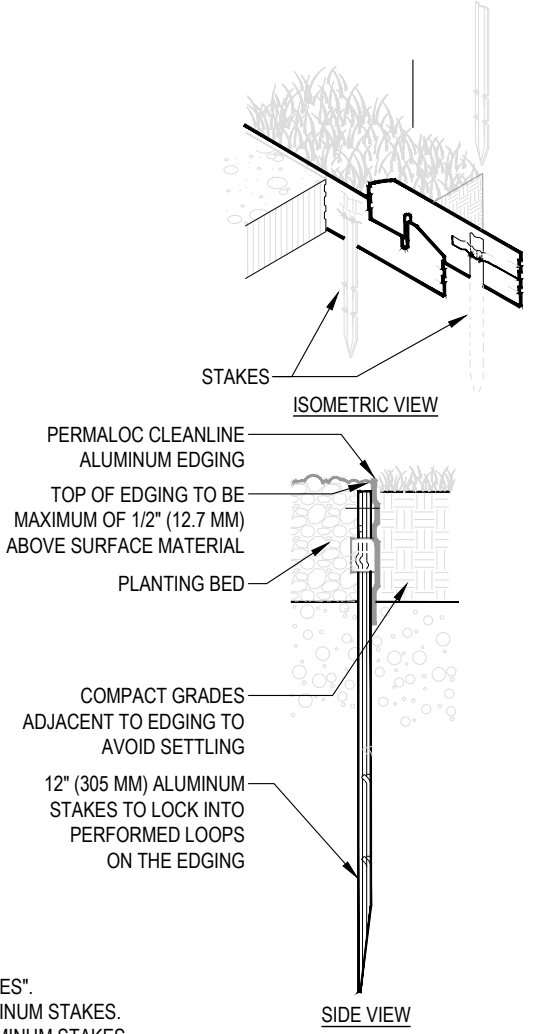
MF BL GR BLANO

3/16" X 5 1/2" (4.8 MM X 140 MM), 0.116" (2.95 MM)
THICK WITH 0.187" (4.75 MM) EXPOSED TOP LIP

MF BL GR BLANO

FINISH LEGEND:

MF - MILL FINISH-NATURAL ALUMINUM
BL - BLACK DURAFLEX-MEETS AAMA 2603
GR - GREEN DURAFLEX-MEETS AAMA 2603
BR - BRONZE DURAFLEX-MEETS AAMA 2603
BLANO - BLACK ANODIZED-CLASS II,
AA-M10C21A33



NOTES:

1. INSTALL PER MANUFACTURER'S "INSTALLATION GUIDELINES".
2. 8'-0" (2.44 M) SECTIONS TO INCLUDE (3) 12" (305 MM) ALUMINUM STAKES.
3. 16'-0" (4.88 M) SECTIONS TO INCLUDE (6) 12" (305 MM) ALUMINUM STAKES.
4. CORNERS - CUT BASE EDGING UP HALFWAY AND FOR A CONTINUOUS CORNER.
5. PERMALOC CLEANLINE AS MANUFACTURED BY PERMALOC CORPORATION.
6. DO NOT SCALE DRAWING.
7. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
8. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
9. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 006-016.

4 LANDSCAPE EDGING
L-301 N.T.S.

1	90% DESIGN	EE	26 JUL-22
0	60% DESIGN	EE	25 MAY-22
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superceded

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Title:

DETAILS I

Project:

VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022 Designer: EE

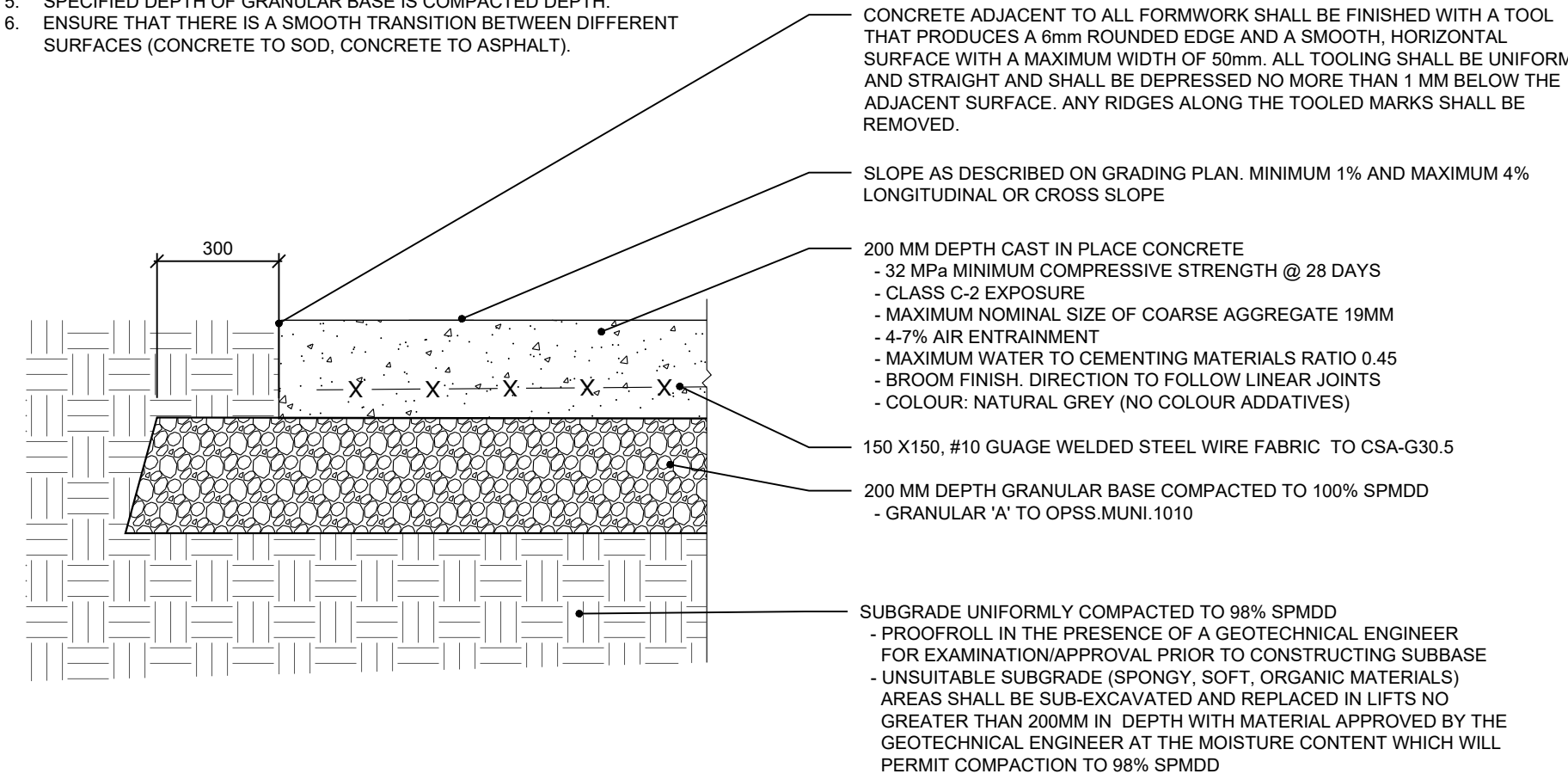
Project: 21-217A Drawn: EE

Checked: EE

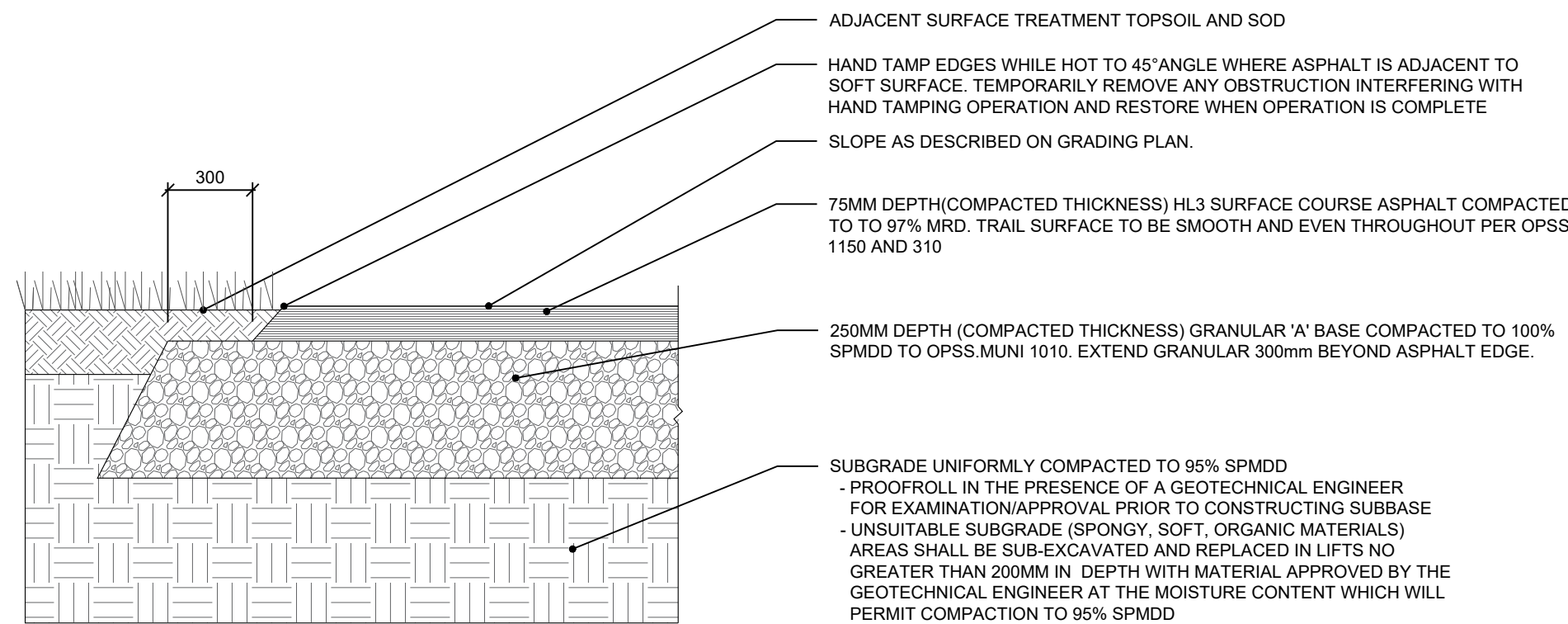
Drawing No:

L-301

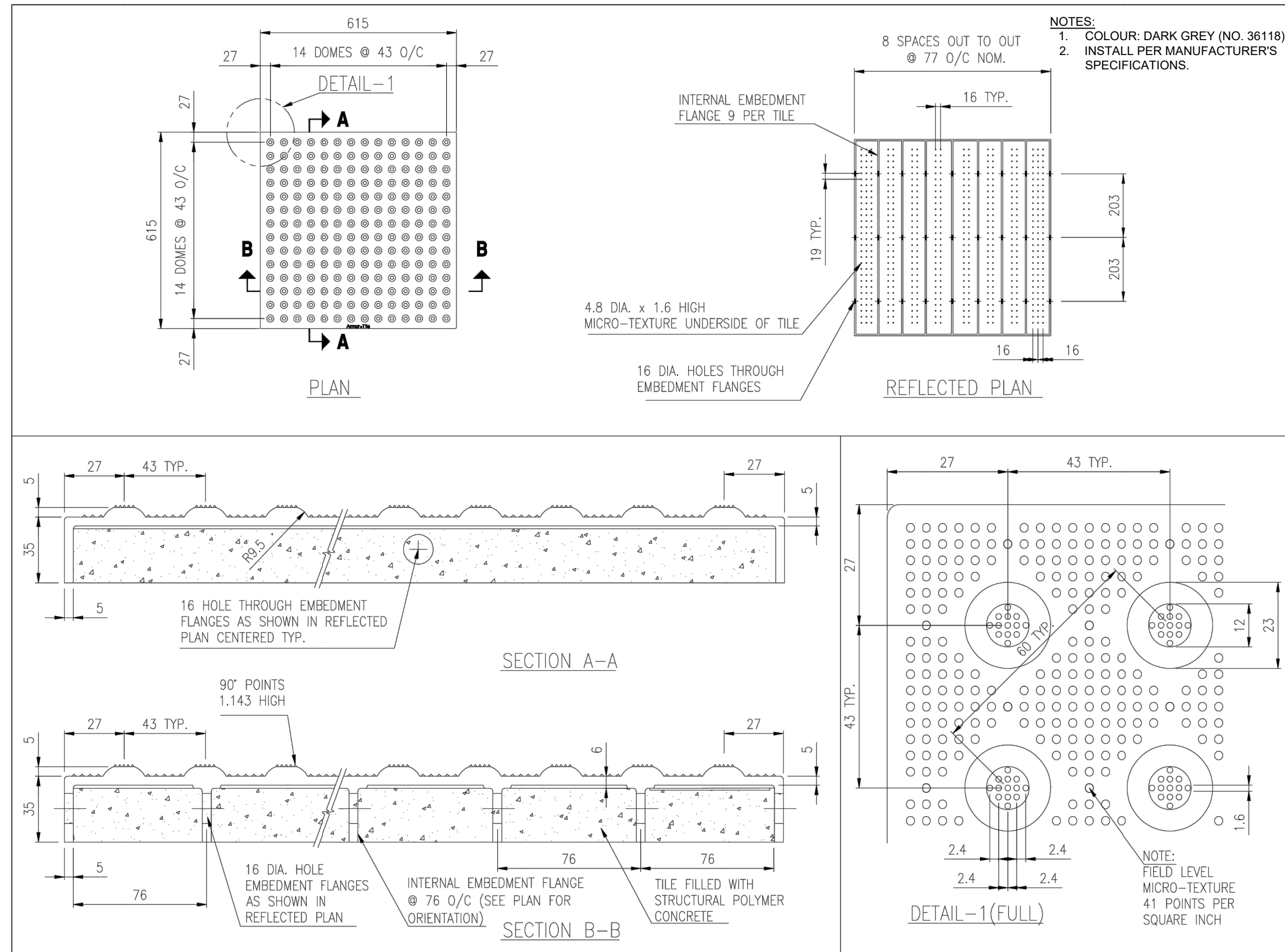
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
 2. REFER TO **GEOTECHNICAL INVESTIGATION REPORT XXX**.
 3. CONTRACTOR SHALL PROVIDE 1800 X 1800 SAMPLE PANEL OF CONCRETE FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PERMANENT CONCRETE PAVEMENT. SAMPLE SHALL INCLUDE COLOURS, EXPANSION, CONTROL JOINTS, AND FINISH.
 4. LANDSCAPE ARCHITECT SHALL INSPECT ALL FORMS AND REVIEW.
 5. SPECIFIED DEPTH OF GRANULAR BASE IS COMPACTED DEPTH.
 6. ENSURE THAT THERE IS A SMOOTH TRANSITION BETWEEN DIFFERENT SURFACES (CONCRETE TO SOD, CONCRETE TO ASPHALT).



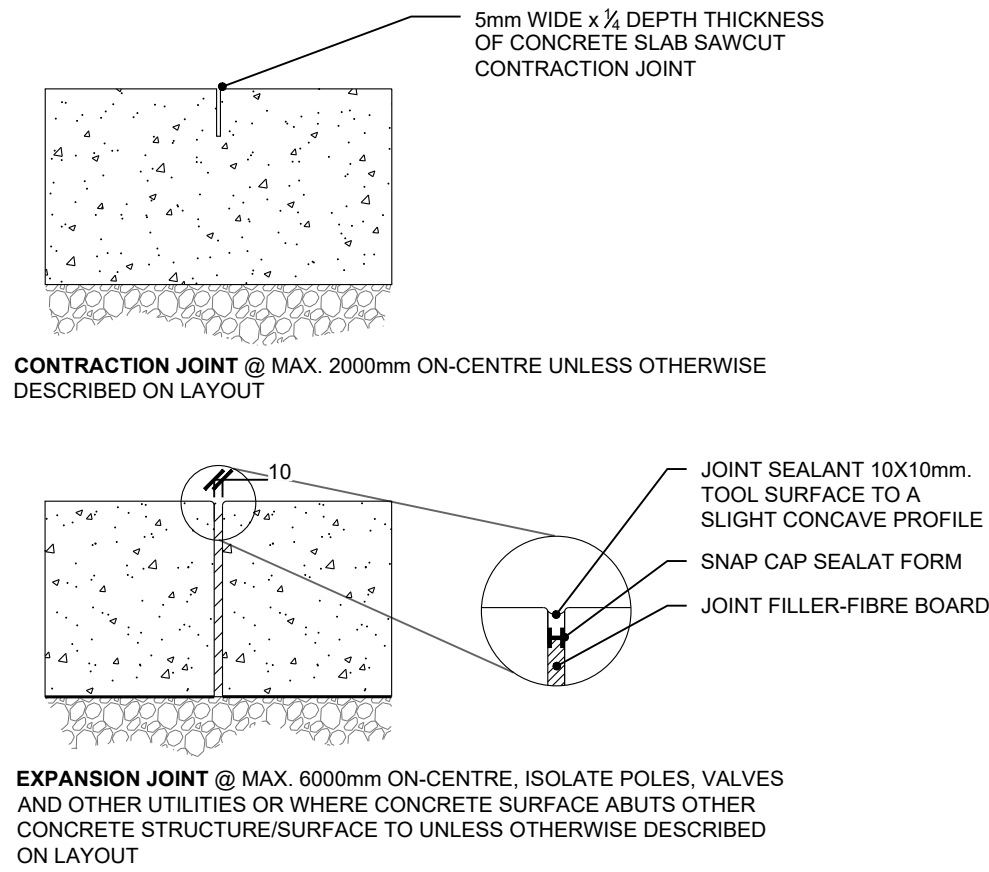
1 STANDARD CONCRETE PAVING
L-302 N.T.S.



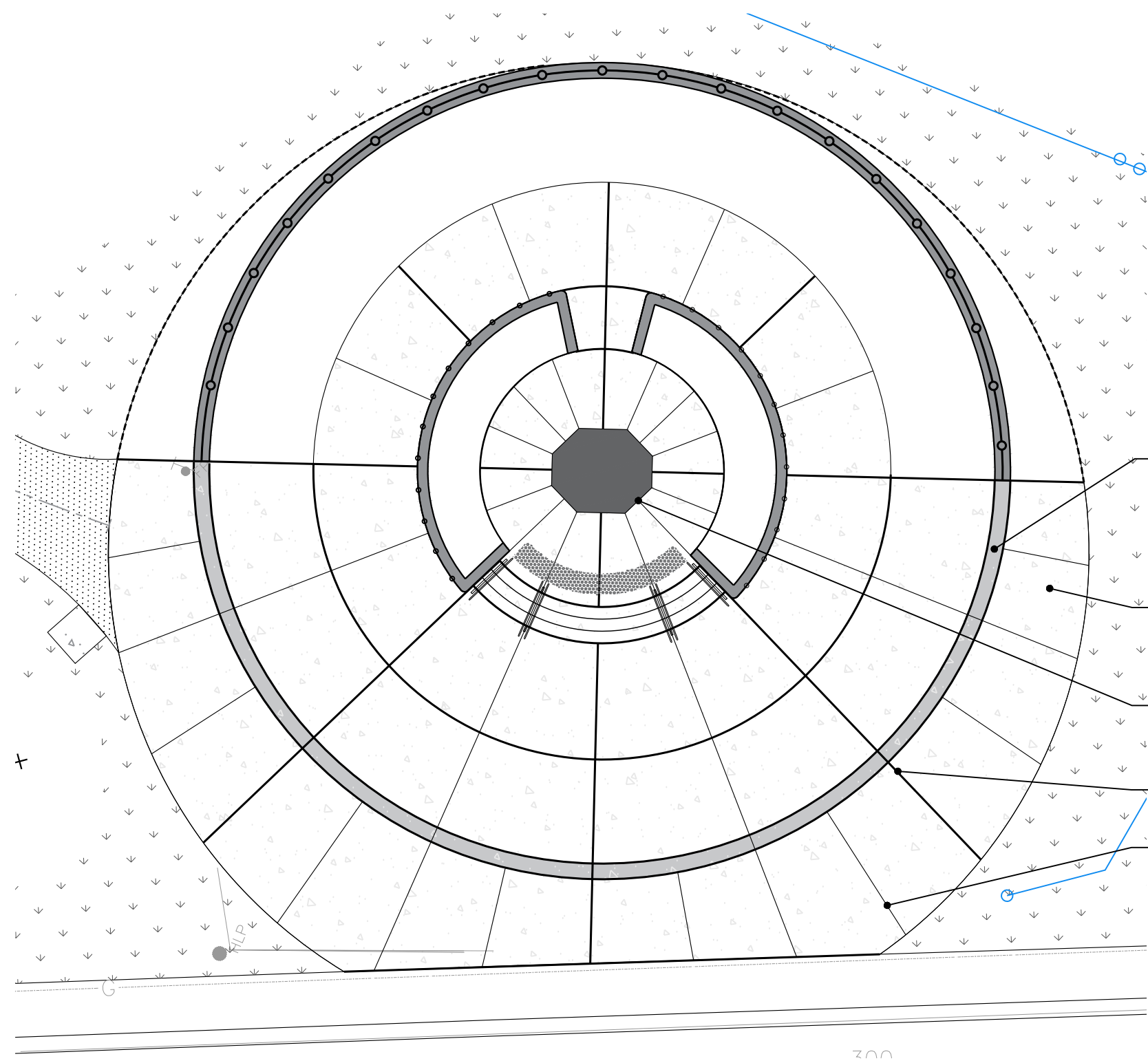
3 ASPHALT SURFACE - PEDESTRIAN
L-302 N.T.S.



4 TACTILE WARNING SURFACE INDICATOR
L-302 N.T.S.



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS. DO NOT SCALE DRAWING.
 2. REFER TO **GEOTECHNICAL INVESTIGATION REPORT REF. NO. XXXX**.
 3. DO NOT BACKFILL AGAINST ASPHALT MINIMUM 48 HOURS UNTIL ASPHALT HAS CURED.
 5. SPECIFIED DEPTH OF GRANULAR BASE AND ASPHALT IS COMPACTED DEPTH.
 6. ENSURE THAT THERE IS A SMOOTH TRANSITION BETWEEN DIFFERENT SURFACES (ASPHALT TO SOD, CONCRETE TO ASPHALT).



SANDBLAST AND COLOURED CONCRETE FINISH NOTES:

1. PREPARE AND INSTALL COLOURED CONCRETE PER MANUFACTURER'S SPECIFICATIONS. FINISH SURFACE SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
2. COLOURED CONCRETE MIXES AND SAMPLES TO BE APPROVED BY THE CONSULTANT.
3. SANDBLAST CONCRETE SURFACES EVENLY OVER ALL EXPOSED CONCRETE SURFACES AND CONSISTENTLY THROUGHOUT PROJECT TO CONSULTANT'S SATISFACTION.
4. CONCRETE SURFACES TO MATCH THE FINISH AND COLOUR OF SAMPLES APPROVED BY THE CONSULTANT.
5. PROTECT OTHER SURFACES AND EQUIPMENT AGAINST DAMAGE RESULTING FROM SANDBLASTING OPERATIONS.
6. USE MATERIALS THAT WILL MINIMIZE ENVIRONMENTAL CONTAMINATION.
7. TAKE CARE TO AVOID BREAKING EXTERNAL CORNERS OF CONCRETE.
8. REMOVE DEBRIS FROM FINISHING OPERATIONS.

2 DECORATIVE CONCRETE AND JOINT DETAIL
L-302 N.T.S.

PRODUCT DETAILS

Maple Leaf
6 piece family
(Architctural Series)



Description: The Maple Leaf family consists of 6 different maple leaves rendered at realistic scale and incredible detail. The parts use two concealed SMART PINS PLUS anchors.



(shown in Cast Silicon Bronze)



(6 different leaves)

Material: Cast Aluminum or Cast Silicon Bronze

Cast Aluminum: Clear Anodize

Cast Silicon Bronze: Brown Patina Finish

Corner Radius: Available in 1/8" radius, 1" radius, or chamfer. Also available in flattened Wallart for accents (3 piece family).

Outside Dimensions: Approx. 5" (wide) x 5" (deep) x 1/2" (tall)

Anchoring: Anchored with two blind SMART PINS PLUS anchors. Use anchors in conjunction with two-part epoxy.

Product Spacing: 18" from end of planters/walls and approximately 36" centers. Do not apply at grout joints.

4 SKATE DETERRENT DETAIL
L-302 N.T.S.

1	90% DESIGN	EE	26 JUL-22
0	60% DESIGN	EE	25 MAY-22
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superseded

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Title:

DETAILS I

Project:

VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022 Designer: EE

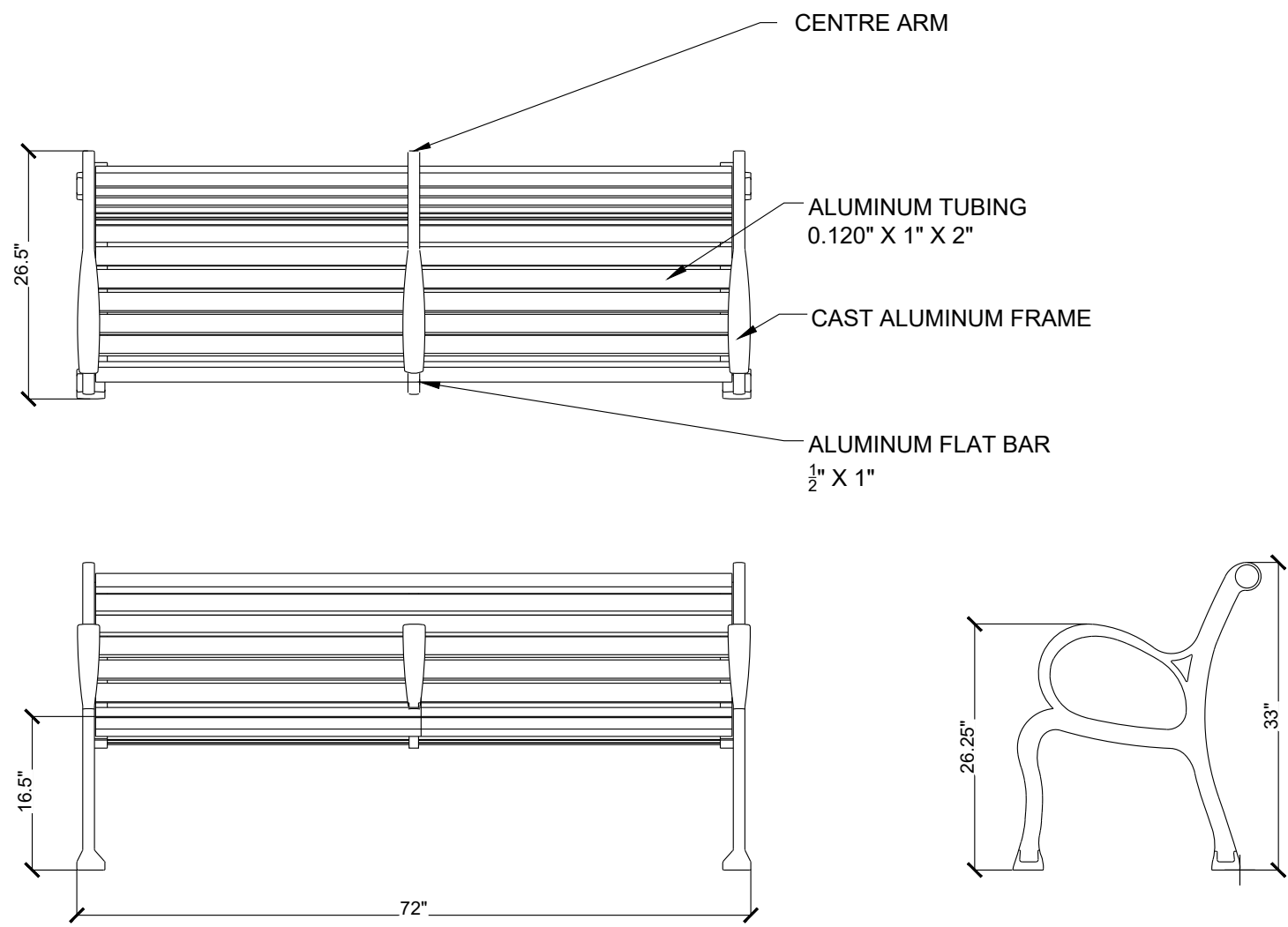
Project: 21-217A Drawn: EE

Checked: EE

Drawing No:

L-302

- NOTES:
1. CITY OF MISSISSAUGA BENCH SUPPLIED BY HAUSER SITE FURNITURE OR APPROVED EQUAL.
 2. MODEL: PS-632-MW2-MW2-A Derby AL WITH CENTRE ARM; SURFACE MOUNT.
 3. COLOUR: RAL 7012 BASALT GREY
 4. CONTRACTOR SHALL SUPPLY ALL ANCHORS AND FASTENING HARDWARE. FASTENERS TO BE STAINLESS STEEL.
 5. PROVIDE SHOP DRAWING FOR CONSULTANT REVIEW. COST OF SHOP DRAWINGS SHALL BE INCLUDED IN THE BID PRICE.

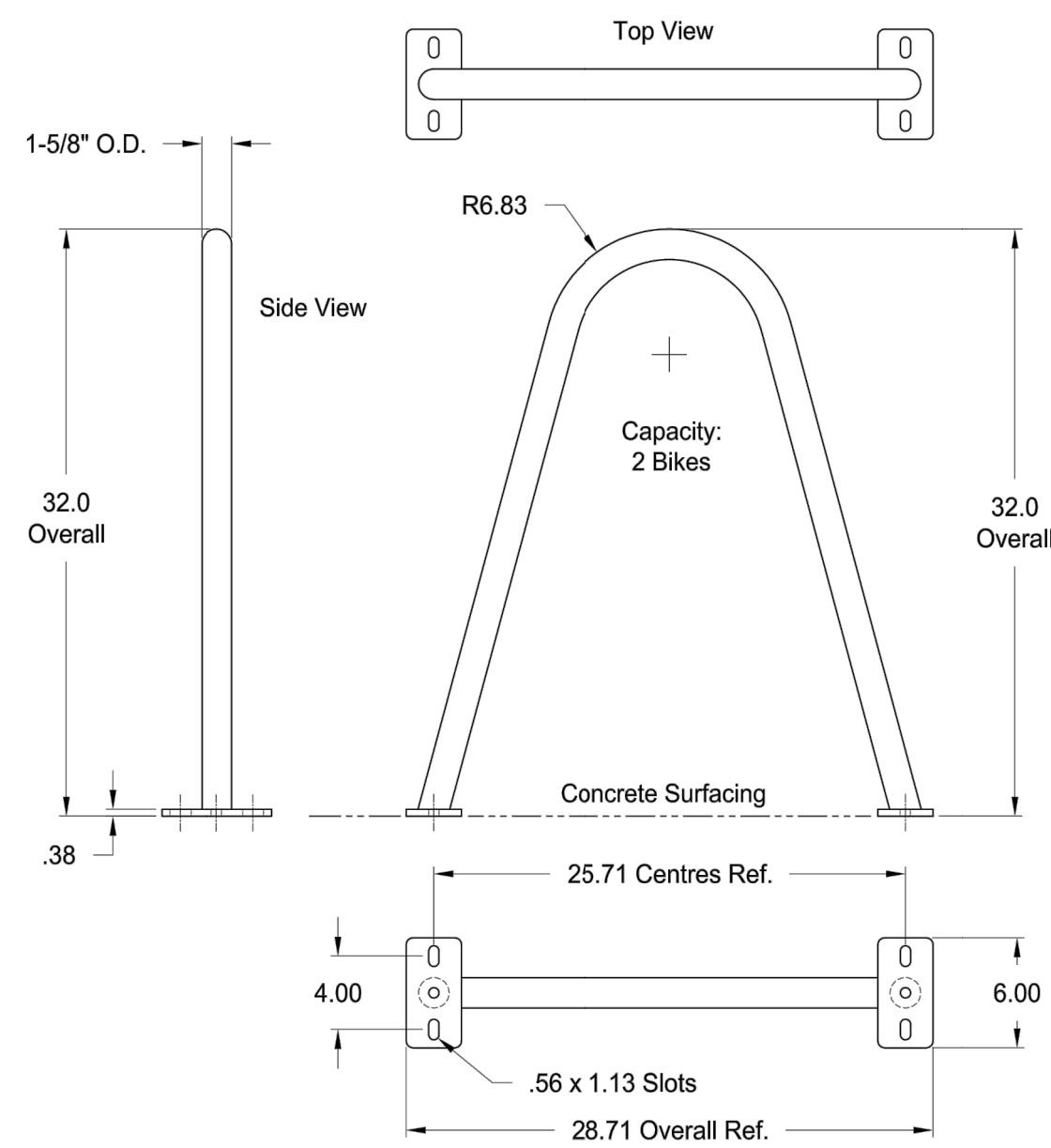


1 BENCH DETAIL
L-303 / N.T.S.



Peak Bike Rack Surface Mounting - Specifications - Model: 850298

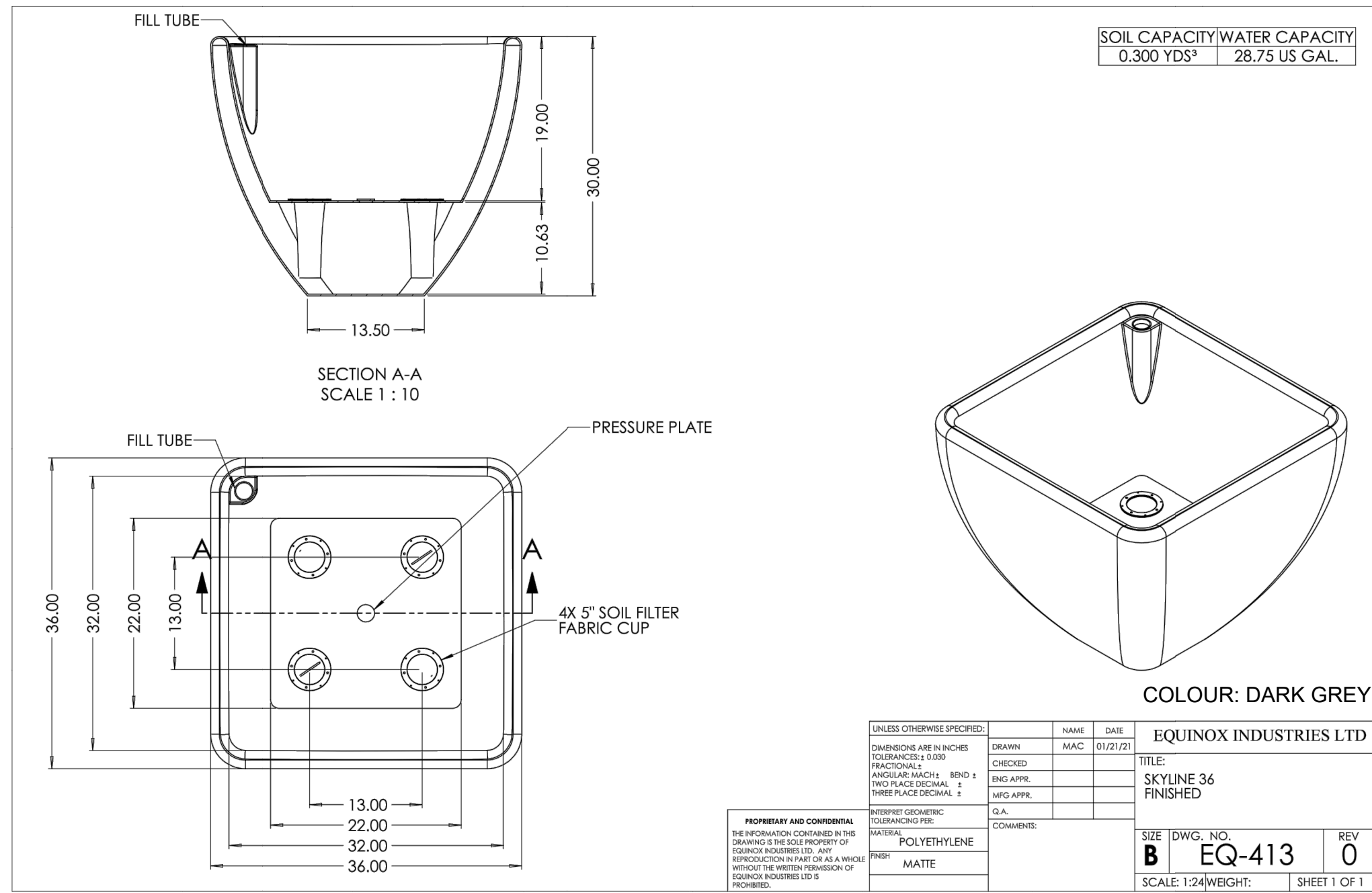
Rev.: 30Jun16



- Finishes:**
- 1) Polyester Powder over Zinc Rich Primer.
 - 2) Hot Dip Galvanized.

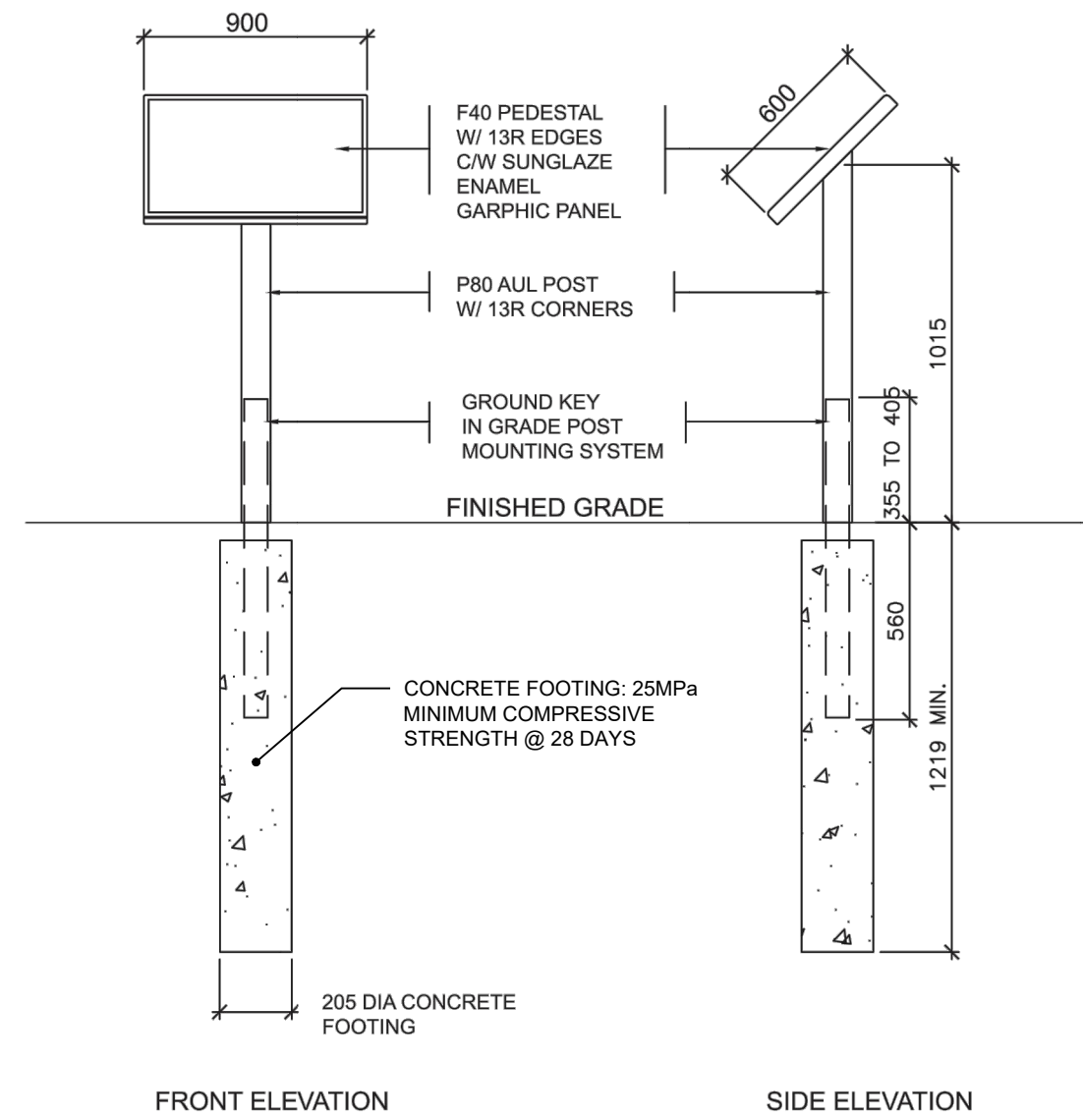
Dimensions shown are in inches.

Greenspoke maintains a policy of continuous product improvement. As a result, some details may change without notice.



3 MODULAR PLANTER DETAIL
L-303 / N.T.S.

Fontasy sign & display inc.

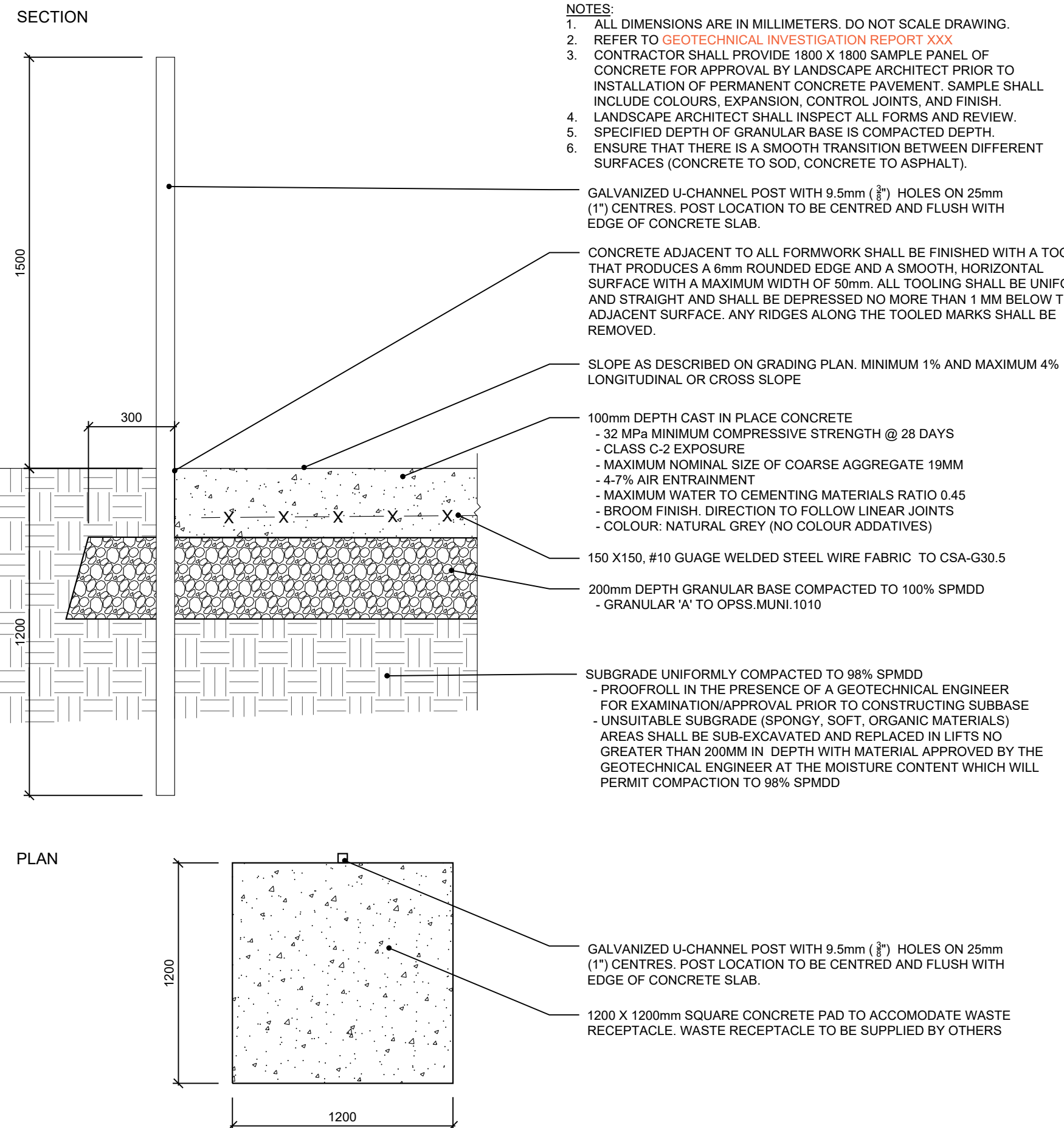


F40 all aluminum frame.
40 mm (1.75 in) thick frame with a 13 mm (1/2 in) radius edge. Complete with SunGlaze™ Enamel Graphics Panel.
P80 post complete with GroundKey mounting system.
Supplied by: Fontasy Sign & Display Inc. 800 263 9488
All frame and post to be painted. Colour TBD by Client.

- NOTES:
1. COLOUR: RAL 7012 BASALT GREY
 2. CONTRACTOR SHALL SUPPLY ALL ANCHORS AND FASTENING HARDWARE. FASTENERS, AS REQUIRED.
 3. CITY / CONSULTANT TO PROVIDE GRAPHIC CONTENT. FINAL PANEL SIZE TO BE CONFIRMED.
 4. PROVIDE SHOP DRAWING FOR CONSULTANT REVIEW. COST OF SHOP DRAWINGS SHALL BE INCLUDED IN THE BID PRICE.



4 INTERPRETIVE SIGN PEDESTAL AND FOOTING DETAIL
L-303 / N.T.S.



5 WASTE BIN PAD AND POST DETAIL
L-303 / N.T.S.



1. NOTES:
2. BIKE (SYMBOL) PARKING - ARROW BOTH DIRECTIONS) SIGN D4-3
 - 2.1. SIZE: 12X18"
 - 2.2. MATERIAL: ALUMINUM
 - 2.3. FINISH: DIAMOND GRADE CUBED; GREEN LETTERING ON WHITE BACKGROUND
 3. MOUNT ON GALVANIZED U-CHANNEL POST, CENTRED ON BIKE PAD.
 4. REFER TO DETAIL 5L-303 WASTE BIN PAD AND POST DETAIL FOR POST STYLE AND INSTALLATION DETAIL.
 5. CONTRACTOR TO PROVIDE ALL FASTENINGS AND SIGN ATTACHMENTS.
 6. SIGN TO BE INSALLED TO THE SATISFACTION OF TEN LANDSCAPE ARCHITECT.

6 BIKE PARKING SIGN
L-303 / N.T.S.

1	90% DESIGN	EE	26 JUL-22
0	60% DESIGN	EE	25 MAY-22
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Title:

DETAILS III

Project:

VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

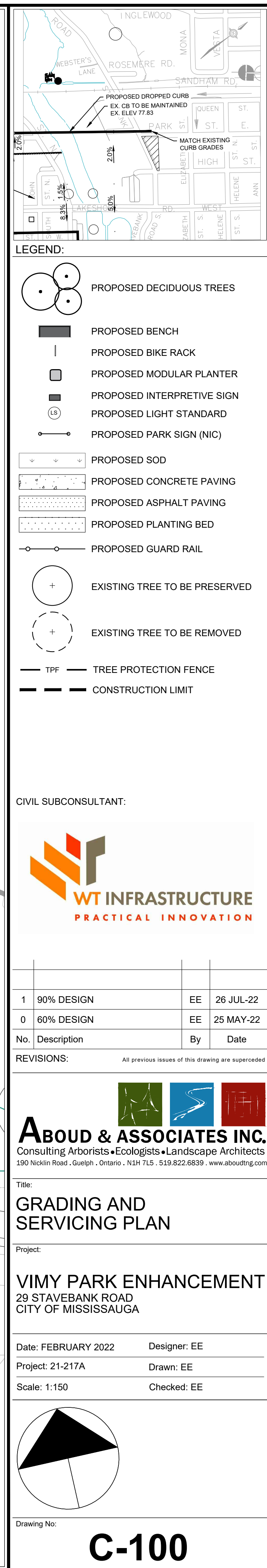
Date: FEBRUARY 2022 Designer: EE

Project: 21-217A Drawn: EE

Checked: EE

Drawing No:

L-303



GENERAL NOTES:

- UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE FOLLOWING NOTES SHALL GOVERN.
- ALL WORK ON THIS PROJECT SHALL CONFORM TO THE ONTARIO BUILDING CODE AS IN EFFECT JANUARY 2020 (OBC 2012 r2020), ANY LOCAL REGULATIONS AND BYLAWS, AND THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT (OHSa) AND CURRENT REGULATIONS FOR CONSTRUCTION PROJECTS. ALL CODES AND STANDARDS SHALL BE THOSE REFERENCED IN OBC 2012 r2020.
- ALL STANDARDS ARE TO BE THE YEAR, EDITIONS, DOCUMENT NUMBERS, ETC AS PER OBC 2012 r2020 DIVISION B, T.1.3.1.2. WHERE DISCREPANCIES EXIST BETWEEN OUR DRAWINGS AND T.1.3.1.2, THE TABLE SHALL GOVERN UNLESS NOTED OTHERWISE.
- THIS SET OF DRAWINGS SUPERSEDES AND REPLACES ALL PREVIOUS DRAWINGS.
- READ THESE DRAWINGS IN CONJUNCTION WITH ALL RELATED CONTRACT DOCUMENTS AND ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND VERIFY ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS WITH THE LANDSCAPE DRAWINGS. REPORT TO THE ENGINEER ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE PROJECT BEFORE PROCEEDING WITH THE WORK.
- IF ANY STRUCTURAL DISCREPANCIES ON THE DRAWINGS EXIST, THE MOST STRINGENT SHALL APPLY.
- DRAWINGS ARE NOT TO BE SCALED.
- CONSTRUCTION AND SHOP DRAWING REVIEW MUST BE PROVIDED AS PER CODE.
- SUBMIT SHOP DRAWINGS AS PER TABLE 1. SHOP DRAWINGS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER WHERE REQUIRED AND REVIEWED BY THE CONTRACTOR FOR DIMENSIONAL CORRELATION WITH THE DRAWINGS AND FIELD CONDITIONS PRIOR TO SUBMITTING TO TACOMA ENGINEERS. FABRICATION OF ELEMENTS ON SHOP DRAWINGS MAY NOT PROCEED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY TACOMA ENGINEERS. REVIEW OF SHOP DRAWINGS IS FOR GENERAL CONFORMANCE TO THE DESIGN CONCEPT ONLY. REVIEW SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF RESPONSIBILITY FOR MAKING THE WORK ACCURATE AND IN CONFORMITY WITH THE PROJECT DOCUMENTS. WHERE THERE IS A DISCREPANCY BETWEEN THE SHOP DRAWINGS AND THE PROJECT DOCUMENTS, THE PROJECT DOCUMENTS SHALL GOVERN.
- CONSTRUCTION LOADINGS SHALL NOT EXCEED THE SPECIFIED DESIGN LOADS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR CONSTRUCTION LOADS AND TEMPORARY BRACING TO KEEP STRUCTURE PLUMB AND IN TRUE ALIGNMENT AT ALL PHASES OF CONSTRUCTION. ANY BRACING MEMBERS SHOWN ON THE DRAWINGS ARE REQUIRED FOR THE FINISHED STRUCTURE AND MAY NOT BE SUFFICIENT FOR ERECTION PURPOSES.
- OBC 2012 r2020 DIVISION C SECTION 1.2.2 REQUIRES GENERAL REVIEW OF THE CONSTRUCTION BY THE DESIGN PROFESSIONAL. TACOMA ENGINEERS SHALL BE GIVEN A MINIMUM OF 48 HOURS NOTICE AT (519) 763-2000 (GUELPH) BY THE CONTRACTOR FOR THE FOLLOWING REQUIRED CONSTRUCTION REVIEWS:
 - FOUNDATIONS – PRIOR TO POURING FOOTINGS AND FOUNDATION WALLS.
 - FINAL FRAMING – UPON COMPLETION OF ALL STRUCTURAL ELEMENTS.
- RETAIN A CERTIFIED INDEPENDENT TESTING OR INSPECTION COMPANY FOR TESTING & INSPECTION FOR THE ITEMS IN TABLE 2.

TABLE 1: SHOP DRAWING SUBMITTALS

ITEM	REQUIRED SUBMITTAL?	ENGINEER'S STAMP REQ'D?	NOTES
CONCRETE MIX DESIGN	YES	NO	
REINFORCING STEEL	YES	NO	
MISC. METAL (INCLUDING GUARDS & HANDRAILS)	YES	YES	

TABLE 2: REQUIRED TESTING & INSPECTION

RESULTS SHALL BE SUBMITTED DIRECTLY TO TACOMA ENGINEERS FROM THE TESTING COMPANY, FOR REVIEW

ITEM	REQ'D	NOTES
SOIL BEARING CAPACITY	YES	BY SOILS ENGINEER
SOIL COMPACTION	YES	BY SOILS ENGINEER
CONCRETE COMPRESSIVE TESTS	YES	MIN. 3 TEST, SEE CONCRETE NOTES
CONCRETE AIR ENTRAINMENT	YES	
CONCRETE SLUMP	NO	
MISC. METALS	YES	

STRUCTURAL DESIGN LOADS:

- STRUCTURAL DESIGN IS TO OBC 2012 r2020 PART 4 PRIMARY GRAVITY STRUCTURAL SYSTEMS:
- DESIGN LOADS ARE UNFACTORED UNLESS NOTED OTHERWISE.
 - CLIMATIC DESIGN DATA (MISSISSAUGA):

Snow Load	Ss	=	0.9 kPa
Wind Pressure	Sr	=	0.4 kPa
	q(50)	=	0.45 kPa
 - BUILDING IMPORTANCE CATEGORY = Normal
- GUARDS DESIGN LOADS: TO OBC 4.1.5.14.(1)(c), (2) TO (6).
- HANDRAIL DESIGN LOADS: TO OBC 4.1.5.14.(7)

REINFORCING STEEL:

- ALL REBAR SHALL BE DEFORMED BARS CONFORMING TO G30.18 WITH A MINIMUM YIELD STRENGTH OF 400 MPa.
- REINFORCING STEEL SHALL BE FABRICATED BY A SUPPLIER EXPERIENCED IN BAR BENDING. ALL BEND DIAMETERS SHALL CONFORM TO CAN/CSA-A23.1.
- ALL REBAR SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE REINFORCING STEEL R.S.I.O. MANUAL OF STANDARD PRACTICE 2018.
- MAINTAIN THE FOLLOWING CLEAR CONCRETE COVER TO REINFORCEMENT (U.N.O.):
 - 40 mm (1.5") FOR CONCRETE PLACED IN FORMWORK FOR 15M OR SMALLER BARS.
 - 50 mm (2") FOR CONCRETE PLACED IN FORMWORK FOR 20M OR LARGER BARS.
 - 65 mm (2.5") FOR SLAB ON GRADE, TOP OF SLAB TO TOP LAYER OF STEEL.
 - 75 mm (3") FOR CONCRETE PLACED AGAINST THE EARTH (BOTTOM OF FOOTINGS).
- CHairs SHALL BE USED TO MAINTAIN THE SPECIFIED CONCRETE COVER.
 - MINIMUM REBAR TENSION LAP LENGTH (25 MPa, NORMAL DENSITY, NON COATED BARS) SHALL BE CLASS B SPLICES AS LISTED BELOW. MULTIPLY BY 1.3 FOR HORIZONTAL REBAR WITH MORE THAN 200mm BELOW THE LAP:
 - 450 mm (18") FOR 10M BARS
 - 600 mm (24") FOR 15M BARS
 - 750 mm (30") FOR 20M BARS
 - LAP ALL HORIZONTAL BARS AT CORNERS WITH BENT DOWELS MEETING THE MINIMUM LAP REQUIREMENTS IN BOTH DIRECTIONS.

CONCRETE

- ALL REINFORCED CONCRETE ELEMENTS ARE DESIGNED IN ACCORDANCE WITH CAN/CSA-A23.3.
- CONCRETE WORK SHALL CONFORM TO CAN/CSA-A23.1,2,3 FOR MATERIALS AND WORKMANSHIP.
- CLASSES OF CONCRETE SHALL BE PLACED IN THE LOCATIONS NOTED:

CLASS OF CONCRETE	LOCATION
C-1	EXTERIOR STRUCTURALLY REINFORCED SLABS & RETAINING WALLS
C-2	EXTERIOR UNREINFORCED SLABS ON GRADE, CURBS, STAIRS, AND STEPS
F-2	FOOTINGS
- CLASSES OF CONCRETE SHALL HAVE THE FOLLOWING MIX REQUIREMENTS:

CLASS OF CONCRETE	STRENGTH	W/C RATIO	AIR ENTRAINMENT	CHLORIDE ION
C-1	35 MPa (56 DAYS)	0.40	5% TO 8%	<1500 COULOMBS AT 91 d
C-2	32 MPa	0.45	5% TO 8%	
F-2	25 MPa	0.55	4% TO 7%	

ADJUST AIR ENTRAINMENT PERCENTAGE FOR AGGREGATE SIZE BASED ON A23.1 TABLE 4.
- CONCRETE DESIGN IS BASED ON THE ABOVE MIX REQUIREMENTS. PHYSICAL PROPERTIES (SLUMP, AGGREGATE SIZE, ETC.) TO SUIT INSTALLATION (BY OTHERS) AND SHALL NOT AFFECT REQUIREMENTS SPECIFIED.
- ALL CONCRETE TO BE TESTED SHALL BE TESTED BY A C.S.A. CERTIFIED CONCRETE TESTING LABORATORY. CONTRACTOR TO PROVIDE COPIES OF TESTING REPORTS TO TACOMA ENGINEERS. NOT LESS THAN ONE STRENGTH TEST SHALL BE MADE FOR EACH 100 m³ OF CONCRETE WITH AT LEAST THREE TESTS FOR EACH CLASS OF CONCRETE USED, PER DAY.
- USE HIGH FREQUENCY VIBRATION TO PLACE ALL CONCRETE.
- ALL CONCRETE SHALL BE KEPT MOIST DURING THE FIRST THREE DAYS OF CURING.
- TAKE ADEQUATE MEASURES TO PROTECT THE CONCRETE FROM EXPOSURE TO FREEZING TEMPERATURES AT LEAST SEVEN DAYS AFTER CONCRETE PLACEMENT. COLD WEATHER PROTECTION IS REQUIRED FOR ALL CONCRETE PLACED WHERE IT IS FORECASTED THAT THE TEMPERATURE WILL DROP BELOW 5°C WITHIN 24 HOURS OF PLACEMENT. PROTECTION PROVIDED, INCLUDING INSULATED TAPPS, POLY COVERED STRAW, SUPPLEMENTAL HEAT AND/OR CHEMICAL ADMIXTURES, IS TO BE SUFFICIENT TO MAINTAIN A MINIMUM CURING TEMPERATURE OF 10°C FOR 3 DAYS.
- INSTALL V-NOTCH CONTROL JOINTS AT A MAXIMUM SPACING OF 24 TIMES THE WALL THICKNESS, IN BOTH SIDES OF ALL WALLS. CUT 50% OF THE HORIZONTAL REINFORCEMENT AT CONTROL JOINT LOCATIONS.
- FINISH EXPOSED CONCRETE WORK AS PER LANDSCAPE DRAWINGS.
- DO NOT ADD WATER TO CONCRETE ON SITE.
- CALCIUM CHLORIDE OR ANY ADMIXTURE FORMULATION CONTAINING CHLORIDE SHALL NOT BE USED IN CONCRETE CONTAINING REINFORCEMENT, OR IN CONCRETE CLASSIFICATIONS S-1, S-2, OR C-1, C-2, OR FOR PARKING STRUCTURES, FLOORS RECEIVING DRY-SHAKE METALLIC HARDENERS, OR CONCRETE CONTAINING EMBEDDED ALUMINUM. USE ONLY IN DOSAGES LESS THAN 2% BY WEIGHT OF CEMENT.
- REBAR CHAIRS (BAR SUPPORTS) ARE TO BE OF PRECAST CONCRETE, PLASTIC OR STEEL. WOOD, CLAY BRICK AND CONCRETE BLOCK IS NOT ACCEPTABLE. STEEL CHAIRS MAY NOT BE USED IN CORROSIVE ENVIRONMENTS, INCLUDING PARKING GARAGES.

FOUNDATIONS:

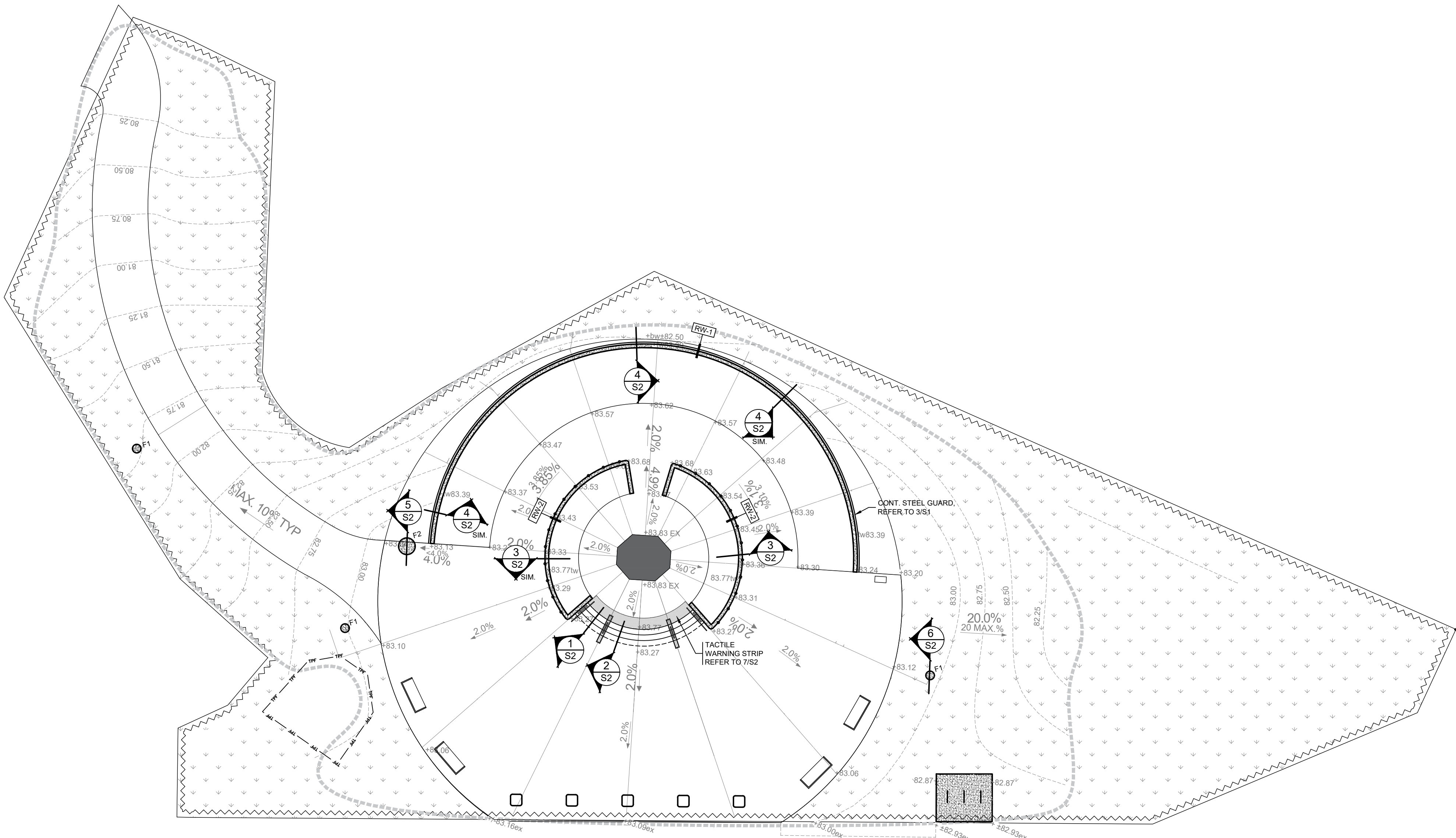
- ALL FOOTINGS SHALL BE FOUNDED IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. NO GEOTECHNICAL REPORT HAS YET BEEN SUPPLIED FOR THIS PROJECT. ALL BEARING PRESSURES HAVE BEEN ASSUMED AND MUST BE VERIFIED ON SITE, PRIOR TO PLACING FOOTINGS.
- DESIGN BEARING PRESSURES ON UNDISTURBED NATIVE SOIL, OR APPROVED ENGINEERED FILL ARE AS FOLLOWS:

SLS, kPa (psf)	U.S. kPa (psf)	LOCATIONS
150 (3000)	225 (4500)	ALL FOOTINGS
- SOFT AREAS UNCOVERED DURING EXCAVATION SHALL BE SUB-EXCAVATED TO SOUND MATERIAL AND FILLED WITH CLEAN, FREE DRAINED GRANULAR SOIL COMPACTED TO 100% STANDARD PROCTOR DRY DENSITY (SPDD), PLACED UNDER THE DIRECTION AND SUPERVISION OF A GEOTECHNICAL ENGINEER.
- SOIL BEARING CAPACITY, SITE CLASS, AND SOIL COEFFICIENTS SHOWN ON THE DRAWINGS (K_a, K_p, DENSITY, ETC.) SPECIFIED MUST BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO THE PLACING OF FOUNDATIONS. ANY NON-CONFORMANCE WITH THE SPECIFIED MINIMUM CAPACITIES MUST BE IMMEDIATELY REPORTED TO THE STRUCTURAL ENGINEER.
- LOCATE ALL FOOTINGS AND PIERS CENTRALLY UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
- PLACE FOOTINGS WHICH ARE EXPOSED TO FREEZING WEATHER A MINIMUM OF 1200mm (48") BELOW FINISHED GRADE UNLESS SPECIFIED OTHERWISE.
- DO NOT EXCEED A RISE OF 7 AND A RUN OF 10 IN THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS OR ALONG STEPPED FOOTINGS. USE STEPS NOT EXCEEDING 600mm (24") IN HEIGHT AND NOT LESS THAN 1200mm (48") IN LENGTH.
- MAINTAIN UNSUPPORTED SIDES OF EXCAVATION ONLY IF SAFE INCLINATION OF THE SIDES OF THE EXCAVATION IS PROVIDED IN ACCORDANCE WITH THE SOIL ENGINEERS RECOMMENDATIONS. IF REQUIRED, ERECT, MAINTAIN, AND REMOVE A SUPPORTING SHORING SYSTEM ALONG THE SIDES OF THE EXCAVATION, DESIGNED BY A PROFESSIONAL ENGINEER, IN ACCORDANCE WITH THE SOILS REPORT AND OHSa.
- PROTECT SOIL FROM FREEZING ADJACENT TO AND BELOW ALL FOOTINGS.
- BACK FILL AGAINST FOUNDATION WALL IN SUCH A MANNER THAT THE LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN 450mm (18") HIGHER THAN THE LEVEL ON THE LOWER SIDE OF THE WALL, EXCEPT WHERE TEMPORARY SUPPORT FOR THE WALL IS PROVIDED OR WALLS ARE DESIGNED FOR SUCH UNEVEN PRESSURES.
- SHOULD UNDERGROUND WATER BE ENCOUNTERED, PROVIDE DEWATERING FACILITIES TO KEEP WATER LEVEL BELOW FOOTINGS. REFER TO SOIL ENGINEERS RECOMMENDATIONS FOR REMEDIAL MEASURES.
- LATERAL EARTH PRESSURE FACTORS:

DENSITY = 20.4 kN/m ³
q = 4.8 kPa
K _a = 0.35 (RETAINING WALLS AND CURBS NOT SUPPORTED AT THE TOP)
FRICITION COEFFICIENT = 0.35
- EXISTING SOIL CONDITIONS AROUND FLAGPOLE AND LIGHT POST FOUNDATIONS ASSUMED TO BE FIRM SANDY GRAVEL AND/OR GRAVEL WITH A LATERAL PRESSURE PER UNIT DEPTH OF 45kPa/m (TO BE VERIFIED BY GEOTECHNICAL ENGINEER).

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL ELEMENTS ARE DESIGNED IN ACCORDANCE WITH CAN/CSA-S16.
- SUBMIT ERECTION AND SHOP DRAWINGS FOR REVIEW BY THE PROJECT ENGINEER. CONNECTIONS (INCLUDING MOMENT CONNECTIONS) SHALL BE DESIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.
- ALL I.S.S. SHALL CONFORM TO CAN/CSA G40.21 GRADE 350W (CLASS C) UNLESS NOTED.
- ALL STEEL PLATE TO BE A36 (250W MPa) MATERIAL (MINIMUM) UNLESS NOTED.
- WELDING SHALL CONFORM TO CSA W47.1 AND CSA W59, BY THE CANADIAN WELDING BUREAU. ALL WELDING SHALL BE COMPLETED BY CWB CERTIFIED WELDERS.
- THIRD PARTY WELDING INSPECTION SHALL BE PERFORMED BY FIRMS CERTIFIED TO CSA W178.1 AND W178.2.
- GALVANIZING FOR METALS SHALL CONFORM TO CSA-G164 UNLESS NOTED. TOUCH-UP ON SITE BY GRINDING THE SURFACE TO BRIGHT METAL AND APPLYING ZINC RICH PAINT CONFORMING TO CAN/CSG8-1.181 (OR ASTM A780).
- STRUCTURAL STEEL MEMBERS SHALL NOT BE SPLICED WITHOUT THE APPROVAL OF THE ENGINEER.
- EXTERIOR STRUCTURAL STEEL:
 - SHALL BE PROTECTED FROM CORROSION BY HOT DIP GALVANIZING
 - HSS COLUMNS SHALL HAVE DRAINAGE HOLES AT THE BASE (13mm (1/2") DIAM. MAX. 2" UP FROM BASE).
- IF HOLES IN BASE PLATES ARE OVERSIZED TO SUIT SITE CONDITIONS, NOTIFY TACOMA ENGINEERS AND SUPPLY AND INSTALL PLATE WASHERS TO COVER THE HOLE.



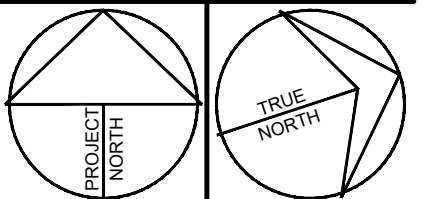
PLAN - VIMY PARK
SCALE 1:150

FOOTING SCHEDULE			RETAINING WALL SCHEDULE		
MARK	SIZE	REINFORCING	MARK	SIZE	REINFORCING
F1	DIRECT BURIED POST	AS PER DETAIL 6/S2	RW-1	200 CONCRETE	AS PER DETAIL 4/S2
F2	762 Ø SONOTUBE	AS PER DETAIL 6/S2	RW-2	200 CONCRETE	AS PER DETAIL 3/S2

NOTES:

- FOOTINGS TO BE FOUNDED ON SOILS WITH A MIN. 144 kPa (3000 psf) BEARING CAPACITY. TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

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No.	Date	Issued for / Revision
1.	JULY 25 2022	ISSUED FOR 90% REVIEW

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ENGINEERS

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ABOUT & ASSOCIATES INC.
5 EDINBURGH RD. GUELPH, ON.

VIMY PARK REDEVELOPMENT
29 STAVEBANK RD. MISSISSAUGA, ON.

PLAN & STRUCTURAL NOTES

Project No: TE-39620-21
Drawn By: S.W.

S1



GENERAL CONDITIONS:

- G1** THE CANADIAN STANDARD FORM OF CONSTRUCTION CONTRACT AND GENERAL CONDITIONS GOVERNING THE SAME CCDC ARTICLES 1 TO 45 INCLUSIVE ARE HEREBY MADE A PART OF THIS SPECIFICATION.
- G2** ALL WORK SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO ELECTRICAL CODE, LOCAL POWER COMMISSION AND THE LOCAL INSPECTION DEPARTMENT REQUIREMENTS.
- G3** THIS CONTRACTOR SHALL MAINTAIN ADEQUATE LIABILITY INSURANCE.
- G4** ALL WORKMANSHIP SHALL BE EXECUTED TO A STANDARD DETERMINED BY GOOD PRACTICE. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE THE INSTALLATION FOR ONE YEAR.
- G5** THE OWNERS RESERVE THE RIGHT TO ALTER THE LOCATION OF ANY ITEM UP TO TEN (10) FEET (3M) WITHOUT INCURRING AN EXTRA COST, PROVIDED HE DOES SO BEFORE THE ITEM IS INSTALLED.
- G6** ALL MATERIAL AND EQUIPMENT USED ON THIS PROJECT SHALL BE C.S.A. APPROVED.
- G7** THE CUTTING AND PATCHING FOR ELECTRICAL WORK SHALL BE DONE BY THE GENERAL CONTRACTOR AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
- G8** THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS BEFORE SUBMITTING HIS TENDER PRICE.
- G9** PROVIDE LABELING OF ALL ELECTRICAL DEVICES AND EQUIPMENT.
- G10** THE FOLLOWING DOCUMENTS ARE REQUIRED TO BE SUBMITTED BY THE ELECTRICAL CONTRACTOR TO THE ELECTRICAL CONSULTANT WHERE APPLICABLE. THE DOCUMENTS SHALL BE SUBMITTED AT THE COMPLETION OF THE PROJECT AND PRIOR TO FINAL CLOSEOUT DOCUMENTATION IS ISSUED FROM THE CONSULTANT.

CONDUIT LEGEND & UNIT CONVERSION

SYMBOL	METRIC	IMPERIAL
— 16mm —	16mm	2"
— 21mm —	21mm	2"
— 27mm —	27mm	1"
— 35mm —	35mm	1-1/2"
— 40mm —	40mm	1-1/2"
— 50mm —	50mm	2"
— 75mm —	75mm	3"
— 100mm —	100mm	4"
— 2/0 GND —	2/0 GND —	2/0 GROUND CONDUCTOR

CONDUIT & TRAY TYPES

UG	100mm	UNDERGROUND CONDUIT (SIZE AS PER PLAN)
DM	100mm	OVERHEAD CONDUIT (SIZE AS PER PLAN)
		CABLE TRAY (SIZE AS PER PLAN)
		CONDUIT STUB DOWN
		CONDUIT STUB UP
		CONDUIT CAP OFF
		CONDUIT CONTINUATION

DISCLAIMER:

1. CONDUIT TYPES AS NOTED ON DRAWING
2. DEVICE MOUNTING HEIGHTS TO CENTRE-LINE OF DEVICES UNLESS OTHERWISE NOTED ON PLANS. CONFIRM ALL MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION. NOTIFY CONSULTANT OF ANY DISCREPANCIES.

ABBREVIATIONS

TBR	TO BE REMOVED	REL	RELOCATED
EXR	EXISTING TO REMAIN	RAR	REMOVE AND RE-INSTALL
EX	EXISTING	AFB	ABOVE FINISHED FLOOR
CTE	CONNECT TO EXISTING	UBF	UNDER FINISHED FLOOR
OH	OVERHEAD	UG	UNDER GROUND
AFG	ABOVE FINISHED GRADE	UG	UNDER GROUND
RPL	REPLACE EXISTING WITH NEW		

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MTD. HEIGHT
POWER DEVICES		
	JUNCTION BOX	N/A
	RECEPTACLE - 20 AMP T-SLOT - GROUND FAULT INTERRUPTER	400mm
	DIRECT CONNECTION	N/A
LIGHTING DEVICES		
	POLE MOUNTED FIXTURE	AS NOTED
	SURFACE MOUNTED FIXTURE - JUNCTION BOX MOUNT	AS NOTED
DRAWING IDENTIFIERS		
	NOTE TAG IDENTIFIER	
	REFRIGERATION SYSTEM TAG	
	EQUIPMENT I.D. TAG	

ELECTRICAL SITE PLAN NOTES:

- SEE POLE DETAIL - POST TOP FOR MOUNTING HARDWARE AND REQUIREMENTS.

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Max/Avg	Avg/Min	# Points	
SITE	Illuminance	Fc	0.4	3.4	0.0	N/A	N/A	243	
PROPERTY LINE	Illuminance	Fc	0.08	0.5	0.0	N/A	N/A	85	
PATHWAYS	Illuminance	Fc	1.01	3.4	0.2	3.37	5.05	24	

FIXTURE SCHEDULE

TYPE	MANUFACTURE	MODEL	CATALOGUE NUMBER	NUMBER AND TYPE OF LAMPS	LAMP COLOR	VOLTAGE	MOUNTING	MOUNTING HEIGHT	REMARKS	ALTERNATE MANUFACTURE
AA	AMERLUX	CSL-P	CSL-P2M/30T3/TBK-BG	LED - 44W	3000K	120V	POLE	18'-0" AFG	ARCHITECT TO CONFIRM FINISH. PHOTOCELL CONTROL IS BUILT-IN	APPROVED EQUAL
BB	AMERLUX	CSL-P	CSL-P2M/30T4/TBK-BG	LED - 44W	3000K	120V	POLE	18'-0" AFG	ARCHITECT TO CONFIRM FINISH. PHOTOCELL CONTROL IS BUILT-IN	APPROVED EQUAL
CC	AMERLUX	VARIETA FLOOD	FL1-NSP30-BLK-EGS-JBOX-BLK	LED - 31W	3000K	120V	POLE	TBC	ARCHITECT TO CONFIRM FINISH. JUNCTION BOX MOUNTED ON POLE. AIM FIXTURE UP AT 90°	APPROVED EQUAL

COACH STYLE LANTERN
POST - TOP MOUNT

DESCRIPTION:
The **CSL-P** luminaire is a classically styled post-top lantern that offers a choice of several optical systems.

CONSTRUCTION:
Die-cast aluminum housing ensures rigidity and longevity in application. The rooftop casting is hinged to the cage and utilizes tool-less hardware for ease of installation and maintenance.

OPTICAL MODULE:
The lanterns utilize up to four IP65 sealed optical modules consisting of a high-performance LED board with an acrylic (TR) lens to deliver maximum spacing and uniformity. A choice of Type 2 (T2), Type 3 (T3), Type 4 (T4), or Type 5 (T5) LED distributions are available with the scalability to meet application criteria. Custom configurations available.

ELECTRICAL:

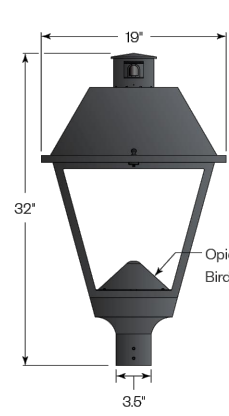
- 12 LED per module
- LED Board Drive Current 600mA (Custom drive currents available)
- Universal input voltage 100-277 VAC (50/60Hz)
- Operational Temp. -40°C to 40°C
- Power consumption up to 7W
- Series wired 20kV/100A surge protector (Per ANSI C82.71 6-2016)
- 0-10V dimming is standard
- A 50V/500V option is available
- DLC listed

PHOTO CONTROL:

- A 3-pin twistlock photocell receptacle is standard.
- An optional rotatable 7-pin (TP) twistlock photocell receptacle is available.
- The 3-pin twistlock photocell is an accessory and must be specified (TW-POL).

FINISH:

- Durable thermoplastic polyester powdercoat finish in the following:
- Textured Black (TBK)
- Classic Bronze (CLB)
- Gloss Textured Bronze (GBZ)
- Gloss Textured Black (GTB)



973-882-8320 • Fax 973-882-3026 • www.amerlux.com

CSL-P
LED

ORDERING #

PROJECT:

TYPE:

DATE:

PREPARED BY:

COMMENTS:



Certain Restrictions Apply

5 year limited warranty
A M E R L U X
5 Year Warranty Available
Consult Factory For Details.



amerlux

COACH STYLE LANTERN
POST - TOP MOUNT

CSL-P
LED

ORDERING Information

CSL-P / / / / / /

1 Model

CSL-P

2 LED Modules

1M - 1 Module

2M - 2 Modules

3M - 3 Modules

4M - 4 Modules

3 CCT

30 - 3000K

40* - 4000K

4 Light Distribution

T2 - Type 2

T3 - Type 3

T4 - Type 4

T5 - Type 5

5 Finish

TBK - Textured Black

CLB - Classic Bronze

GBZ - Gloss Textured Bronze

GTB - Gloss Textured Black

6 Options/Accessories

347V/480V - 347/480 voltage

7P - 7-Pin Photocell Receptacle

TA* - Textured Acrylic lens

BG - Bird Guard

BLS - Backlight Shield (Type II and Type III dist.)

TW-POL - Twistlock Photocell (not available for use with S0 option)

S0 - Shorting Cap (to bypass receptacle) (not available for use with TW-POL option)

To meet IDA Dark Sky Fixture Seal of Approval
3000K CCT must be chosen, and no Textured
Acrylic (TA) option used.
*Not approved with 4000K & TA options.

973-882-8320 • Fax 973-882-3026 • www.amerlux.com

Amerlux reserves the right to change details that do not affect overall function and performance.

1 FIXTURE TYPE AA & BB SPECIFICATION SHEET

E2.1 NTS

Varieta
Single Array
LED Flood Light

FL1xx-BLK

PROJECT:

TYPE:

Features

The Amerlux Varieta flood luminaire employs solid state technology and precision engineering to provide LED solutions for exterior signage, wall washing, and landscape layouts. All components are encapsulated inside a single attractive enclosure designed for superior performance in weather resistant applications. Offered in a choice of finishes, and color temperatures, three mounting options and glare shield are also available.

Product Overview

Type: Exterior Flood Lighting
Wattage: 31W
Lumen Output: 3170 lm
Color Temp: 3000K, 4000K, 5000K
Dimming: 0-10V

PROJECT:

TYPE:

Application:

Exterior flood lighting for signage, wall washing, and landscape layouts.

Construction:

• Die-cast aluminum faceplate

• Extruded aluminum housing

• IP67 sealed optical module

Optics:

• Lumen maintenance 70% @ 50,000 hours

• Lens module containing 16 LEDs available in a number of symmetric or asymmetric axial beam spread patterns

Electrical:

• Integral driver

• Input voltage 120V/277V auto-sensing

• Power consumption 31W

• 1/2" NPT wire entry

• 0-10V dimming is standard

Mounting:

• Cast aluminum pivot

• 180° tilt, 360° rotation

Mounting Accessories:

(order separately)

• GBPT7 - Ground Stake

• PMBS-2-B - Pole Mount

• WMB14 - Wall Mount

• JBOX - Junction Box

• JCOW - Junction Mount

Accessories:

• EGS - External Glare Shield

Finish:

Premium quality thermoplastic powdercoat for a durable finish.

Ambient Operating Range:

-30°C to 40°C

Weight:

6 lbs

EPA:

0.26

2 FIXTURE TYPE CC SPECIFICATION SHEET

E2.1 NTS

Varieta
Single Array LED Flood Light

PROJECT:

TYPE:

Luminaire Ordering Information

FL1

1 Model

FL1

2 Light Distribution

NBP - Narrow Spot

HMB - Horizontal Medium Spot

VMB - Vertical Medium Spot

HWS - Horizontal Wide Spot

VWS - Vertical Wide Spot

SQB - Square Spot

MPL - Medium Flood

HMF - Horizontal Medium Flood

VMF - Vertical Medium Flood

HWF - Horizontal Wide Flood

VWF - Vertical Wide Flood

SQF - Square Flood

3 Color Temp

30 - 3000K

40 - 4000K

50 - 5000K

4 Finish

BLK - Satin Black

CLB - Classic Bronze

GRN - Green

TBK - Textured Black

WHT - White

CSTM - Custom

5 Accessories

EGS - External Glare Shield

Mounting Accessories Ordering Information (order separately)

1

2

1 Mounting Accessories

GBPT7 - Ground Stake (black polycarbonate)

PMBS-2-B - Pole Mount (finish matches fixture finish)

WMB14 - Wall Mount (finish matches fixture finish)

JBOX - Junction Box (finish matches fixture finish)

JCOW - Junction Mount (finish matches fixture finish)

2 Finish

BLK - Satin Black

CLB - Classic Bronze

GRN - Green

TBK - Textured Black

WHT - White

CSTM - Custom

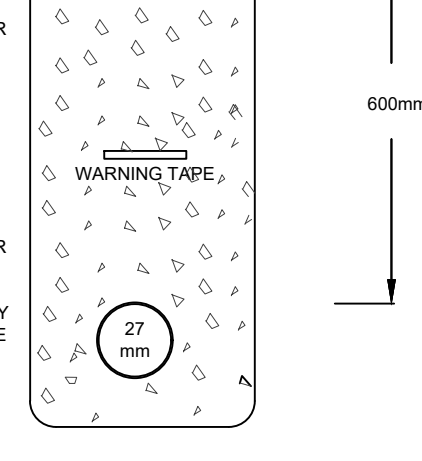
3 POLE DETAIL - POST TOP

E2.1 NTS

1 ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AS INDICATED ON THE ELECTRICAL SITE PLAN. PROVIDE 1/4" NYLON PULL ROPE IN EACH CONDUIT.

2 PROVIDE A COMPACTED GRAVEL BED.

3 ELECTRICAL CONTRACTOR SHALL PROVIDE SUITABLE MARKING TAPES BURIED APPROXIMATELY HALF WAY BETWEEN THE TOP OF THE CONDUIT AND GRADE.



4 SITE LIGHTING TRENCHING DETAIL

E2.1 NTS

CONSULTANT

ROMBALD INC.
Engineers Specializing in Building Services

NORTH:

CONSULTANT STAMP:

3	ISSUED FOR 60% REVIEW	05/09/22
2	ISSUED FOR REVIEW	05/06/22
1	ISSUED FOR REVIEW	01/18/22
#	DESCRIPTION	MM/DD/YY

City of Mississauga Vimy
Park Electrical
29 STAVEBANK ROAD
MISSISSAUGA, ON

DRAWING TITLE:

**SCHEDULES,
DETAILS AND
LEGENDS**

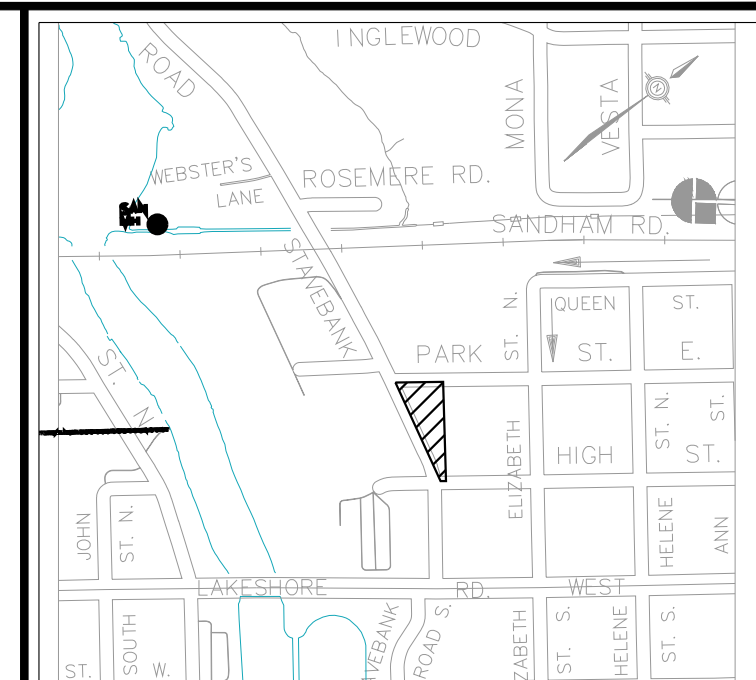
DRAWN BY: M. INAM	CHECKED BY: M. KRZEMINSKI	APPROVED BY: B. WIRZBA
----------------------	------------------------------	---------------------------

SCALE:
AS NOTED

SHEET SIZE:
ARCH D

PROJECT #:
21-221

SHEET #:
E2.1



**CHECK AND VERIFY ALL DIMENSIONS BEFORE
PROCEEDING WITH THE WORK. DO NOT SCALE
DRAWINGS.
CONTRACTOR SHALL VERIFY THE WATER
CONNECTION PIPE SIZE AND PRESSURE
MEETS OR EXCEEDS THE MINIMUM
REQUIREMENT OF THE IRRIGATION DESIGN
PRIOR TO COMMENCEMENT OF THE
INSTALLATION.**

measure . manage . monitor
smart
watering systems
1-888-444-1530

1	FOR 90%CD	AF	22 JUL-22
0	FOR REVIEW	AF	25 MAY-22
No.	Description	By	Date

REVISIONS: All previous issues of this drawing are superceded



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www.aboundtng.com

Title:

IRRIGATION LAYOUT

Project:

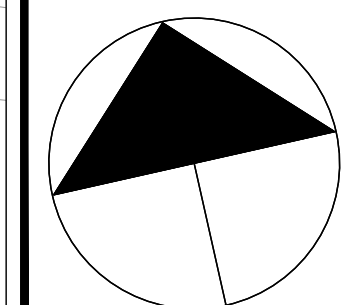
VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022 Designer: AF

Project: 21-217A Drawn: AF

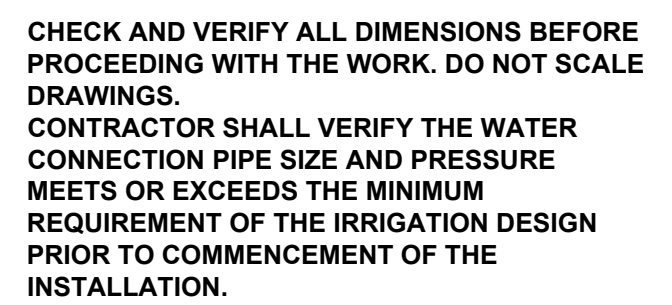
Scale: 1:150

Checked: AF



Drawing No:

IR1



REVISIONS: All previous issues of this drawing are superceded



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Title: _____

IRRIGATION DETAILS

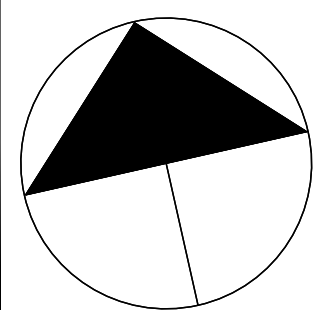
Project:

VIMY PARK ENHANCEMENT
29 STAVEBANK ROAD
CITY OF MISSISSAUGA

Date: FEBRUARY 2022 Designer: AF

Project: 21-217A Drawn: AF

Scale: NTS Checked: AF



Drawing No:

IR2