1 EXISTING CONDITIONS AND REMOVALS
SCALE: 1:75

2 GENERAL NOTES
SCALE: N.T.S.

GENERAL

1. THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNLESS SIGNED BY THE LANDSCAPE ARCHITECT.
2. REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS TO THE CONSULTANT PRIOR TO THE COMMENCEMENT OF ANY SITE WORKS
3. OBTAIN ALL NECESSARY PERMITS AND UTILITY CLEARANCES PRIOR TO COMMENCEMENT OF THE WORK.
4. MAKE GOOD ALL DAMAGES RESULTING FROM WORK CARRIED OUT UNDER THIS CONTRACT AN NO EXTRA COST TO THE OWNER.
5. ALL DIMENSIONS SHOWN ON THE PLANS ARE IN METRIC.
6. THE CONTRACTOR TO VERIFY ALL EXISTING AND PROPOSED GRADES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

TREE PRESERVATION

1. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY POTENTIAL IMPACTS TO TREES LOCATED NEAR OR WHOLLY ON ADJACENT PROPERTIES OR ON SHARED BOUNDARY LINES WITH ADJACENT NEIGHBOURS. SHOULD ANY INJURY OR DEATH TO EXISTING TREES OCCUR DURING THE COURSE OF PROJECT WORKS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR COMPENSATION FOR ALL TREE IMPACTS TO THE SATISFACTION OF THE OWNER.
2. TREE PROTECTION MEASURES SHALL BE INSTALLED TO STANDARDS NOTED ON THE DRAWINGS OR AS PER THE OWNERS TREE PRESERVATION REQUIREMENTS AND SPECIFICATIONS.
3. TREE PROTECTION ZONES (TPZ) MUST BE INSTALLED USING MATERIALS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS TO THE SATISFACTION OF THE OWNER.
4. WHERE REQUIRED TREE PROTECTION SIGNAGE MUST BE DISPLAYED ON EACH SIDE OF THE BARRIER.
5. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THE TREE PROTECTION MEASURES MUST BE IN PLACE AND APPROVED BY THE OWNER.
6. CONTRACTOR TO NOTIFY AND RECEIVE APPROVAL FROM THE OWNER FOR ANY ADJUSTMENTS TO TREE PROTECTION OR SEDIMENT CONTROL MEASURES, PRIOR TO IMPLEMENTING THE ALTERATION
7. TREE PROTECTION MEASURES SHALL REMAIN IN PLACE FOR THE DURATION OF ALL CONSTRUCTION ACTIVITIES AND ONLY TO BE REMOVED AT SUBSTANTIAL COMPLETION OR AS DIRECTED BY THE OWNER.
8. NO CONSTRUCTION ACTIVITIES, GRADE CHANGE, STORAGE OF MATERIALS, EXCAVATION OR SURFACE TREATMENTS SHALL BE PERMITTED WITHIN THE TPZ OF PROTECTED TREES.
9. ANY ADDITIONAL TREE PROTECTION MEASURES THAT ARE IDENTIFIED IN THE TREE PRESERVATION REPORT (AS APPLICABLE) MUST BE IMPLEMENTED TO THE SATISFACTION OF THE OWNER AND AT NO ADDITIONAL COST TO THE PROJECT.
10. IF TREE PROTECTION MEASURES MUST BE REDUCED TO FACILITATE CONSTRUCTION ACTIVITIES THE TREE PROTECTION BARRIERS MUST BE MAINTAINED AT THE LESSER DISTANCE AND A HORIZONTAL ROOT PROTECTION SYSTEM BE PROVIDED TO THE APPROVAL OF THE OWNER
11. ANY ROOT OR BRANCH PRUNING MUST BE UNDERTAKEN BY A CERTIFIED ARBORIST AND PERFORMED IN ACCORDANCE WITH APPROVED ARBORICULTURAL PRACTICE. ALL APPROVED ROOT PRUNING SHALL INVOLVE IRRIGATION OF THE ROOT AREA PRIOR, DURING AND AFTER PRUNING ACTIVITIES. EXCAVATIONS FOR ROOT PRUNING ACTIVITIES SHALL BE UNDERTAKEN USING EITHER A PNEUMATIC OR LOW PRESSURE WATER VACUUM TYPE PROCESS OR BY HAND DIGGING. (NOTE - FOR WATER VACUUM EXCAVATION WATER PRESSURE MUST BE LOW ENOUGH SO THAT ROOT BARK DAMAGE IS AVOIDED). THE ARBORIST PERFORMING THE PRUNING WORKS IS TO CONTACT THE OWNER NO LESS THAN 3 WORKING DAYS PRIOR TO PRUNING ACTIVITIES.
12. THE CONTRACTOR SHALL PROTECT ALL SIGNIFICANT TREES NOT IDENTIFIED FOR REMOVAL FOR THE ENTIRE DEVELOPMENT SITE TO THE SATISFACTION OF THE OWNER.
13. THE CONTRACTOR SHALL BE LIABLE FOR ANY PENALTIES ARISING FROM VIOLATIONS OF MUNICIPAL TREE PROTECTION BY-LAW REQUIREMENTS.

EROSION AND SEDIMENT CONTROL

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION, TO PREVENT DISCHARGE OF SEDIMENT OUTSIDE THE WORK AREA. ALL SEDIMENT CONTROL MEASURERS SHALL BE REGULARLY INSPECTED BY THE CONTRACTOR AND REPAIRED AS NEEDED FOR THE DURATION OF THE PROJECT.
2. DISTURBANCE TO EXISTING CONDITIONS SHALL MINIMIZED TO THE EXTENT POSSIBLE AND TO BE TEMPORARILY OR PERMANENTLY RESTORED AS THE WORK PROGRESSES.
3. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED / AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREA. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF ANY DELETERIOUS SUBSTANCE, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY, TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
4. THE OWNER / CONSULTANT WILL ATTEND THE SITE TO INSPECT ALL CONTROLS ON A REGULAR BASIS PARTICULARLY AFTER A RAIN OR SNOWMELT EVENT, TO MONITOR ALL WORKS IN RELATION TO ESC MEASURES.
5. ALL ACTIVITIES INCLUDING MAINTENANCE PROCEDURES WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO ANY WATER BODY. VEHICULAR REFUELING AND MAINTENANCE SHALL BE CONDUCTED A MINIMUM OF 30 METRES FROM ANY WATER BODY.
6. THE CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS.
7. ALL DEWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR FOREST, OR ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF PREVENTING THE RELEASE OF SEDIMENT LADEN WATER.
8. ALL ACCESS TO THE WORK SITE SHALL BE AS INDICATED ON THE PLAN
9. ALL DISTURBED AREAS ARE TO BE STABILIZED TO RESTORE THE CONSTRUCTION SITE TO IT'S PRE-CONSTRUCTION STATE OR BETTER.
   ALL DISTURBED AREAS SHALL BE REHABILITATED BY APPLYING TOPSOIL AT A MINIMUM DEPTH OF 300mm AND SODDING.
10. RE-GRADED AREAS WILL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN ACHIEVED, SPECIFICALLY A STABILIZATION PRACTICE WHICH IS SUITABLE GIVEN THE CONDITIONS (FROZEN ETC).
    ALL DISTURBED AREAS WHICH WILL REMAIN EXPOSED FOR LONGER THAN 5 DAYS SHALL BE COVERED WITH A LAYER OF STRAW MULCH.
    ANY COMPLETED AREAS WHICH ARE NOT RE-VEGETATED WITHIN 5 DAYS SHALL BE COVERED WITH A LAYER OF STRAW MULCH.
11. STAGING AND STOCKPILING SHALL ONLY OCCUR WITHIN THE LIMITS OF THE DISTURBANCE IN AREAS INDICATED ON THE PLANS.
12. TOPSOIL STOCKPILES SHALL NOT EXCEED 3 METRES IN HEIGHT, GENERAL FILL SHALL NOT EXCEED 5 METRES IN HEIGHT. STOCKPILES SHALL BE A MINIMUM OF 30 METRES FROM ANY WATER COURSE AND 10 METRES FROM ANY PROPERTY LINE. CONTRACTOR SHALL PREVENT THE DETERIORATION OF THE STOCKPILED MATERIAL, KEEP SURROUNDING ROADS AND PATHS FREE OF SOIL DEPOSITS. SILT FENCE SHALL BE INSTALLED AT THE BASE OF ANY MATERIAL STOCKPILES THAT ARE TO REMAIN ON SITE FOR LONGER THAN 1 MONTH. STOCKPILES AND OTHER EXPOSED AREAS THAT ARE TO REMAIN ON SITE FOR LONGER THAN 1 MONTH ARE TO BE SEEDED TEMPORARILY TO PREVENT EROSION AND CONTROL DUST.

LEGEND

- CONSTRUCTION FENCE
- TREE PROTECTION FENCE
- LIMIT OF DISTURBANCE
- LIMIT OF HARD SURFACE AREA
- TOPSOIL STRIP
- MUD MAT
- ARMOUR STONE REMOVAL
- EXISTING UNIT PAVERS
- ASPHALT PAVING
- CONCRETE PAVING
- LIMESTONE SCREENINGS
- END OF CURVE
- WASTE RECEPTACLE
- BENCH ON CONCRETE PAD
- BIKE RACK
- 1.2m WIDE SOD MOW STRIP
- XX EXISTING TREE

NO.	REVISION	DATE	BY
1	ISSUED FOR CLIENT REVIEW	xxxxxxx	xx

PROJECT:
ENWAYAANG WING SOUTH ENTRY ACCESS RAMP

DRAWING:
EXISTING CONDITIONS AND DEMOLITION PLAN

TRENT UNIVERSITY
Northern Lights Landscape Architects

DRAWN:	CHECKED:	APPROVED:	PROJECT NO.:
AJ	SG	SG	
SCALE: AS SHOWN	DATE: 2025.06.23	DRAWING FILE: NL-050-L1.DWG	DRAWING NO.: L-1

CONTRACTOR TO COORDINATE WITH OWNER / CONTRACT ADMINSTRATOR FOR THE RELOCATED ARMOUR STONES TO THIS AREA

NEW GALVANIZED STEEL RAILING — 9 / L3 — 5 / L4

CONTROL JOINT - TYP. — 5 / L4

LIMIT OF CONCRETE EDGE THICKENING — 3 / L3

ALIGN FACE OF NEW CURB WITH EXISTING STAIR WALL

CIP REINFORCED CONCRETE CURB. FLUSH WITH TOP OF EXISTING CURB

C.I.P. SLOPED CONC. CURB — 2 / L3

3.0m - 100Ø PERF. BIG 'O' SUB-DRAIN WITH SOCK - DAYLIGHT THROUGH FAR WALL — 6 / L4
INV. OUT 99.10
INV IN 99.30

REINSTALL STOCKPILED UNIT PAVERS

300mm DEPTH OF CLEAR CRUSHER RUN LIMESTONE

STEEL GUARD RAIL — 8 / L3

STEEL HAND RAIL — 8 / L3

C.I.P. SLOPED CONC. CURB

CONTRACTOR TO SHAPE A SWALE TO DIRECT WATER TO THE DRAINAGE GALLERY

REINFORCED C.I.P. RAMP SLAB ON GRADE — 1 / L3 — 4 / L4

150mm THICK REINF. CONC. UPTURNED CURB

SOD ALL DISTURBED AREAS

4 / L5 ACCESSIBLE PARKING SIGNS TYP.

2 / L5 MEDIUM DUTY ASPHALT PAVING

C.I.P. SLOPED CONC. CURB

3 / L5 ACCESSIBLE PARKING SPACES

PAINTED PARKING STRIPING AND ACCESSIBLE SYMBOLS

TACTILE PLATES — 2 / L3

RELOCATED PARKING SIGN

1 / L5 ECORASTER E-40 PAVING GRID WITH GRAVEL INFILL. INSTALL YELLOW PARKING MARKERS AT 300mm SPACING TO DELINEATE THE PARKING STALLS

RELOCATE EXISTING ARMOUR STONE TO FILL GAP BETWEEN NEW RAMP EDGE AND STONE SEATS

TYPE A

TYPE B

ACCESSIBLE PARKING SIGNS TYP. — 4 / L5

VAN

2 LAYOUT AND GRADING
SCALE: 1:50

LEGEND

- CONSTRUCTION FENCE
- TREE PROTECTION FENCE
- LIMIT OF DISTURBANCE
- LIMIT OF HARD SURFACE AREA
- TOPSOIL STRIP
- MUD MAT
- ARMOUR STONE REMOVAL
- EXISTING UNIT PAVERS
- ASPHALT PAVING
- CONCRETE PAVING
- LIMESTONE SCREENINGS
- END OF CURVE
- WASTE RECEPTACLE
- BENCH ON CONCRETE PAD
- BIKE RACK
- 1.2m WIDE SOD MOW STRIP
- EXISTING TREE

NO.	REVISION	DATE	BY
1	ISSUED FOR CLIENT REVIEW	xxxxxxx	xx

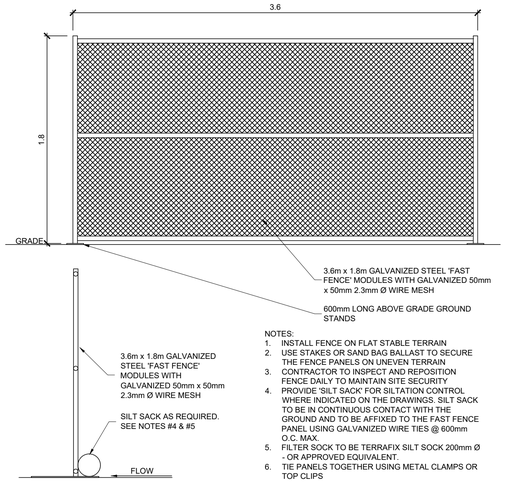
PROJECT: ENWAYAANG WING SOUTH ENTRY ACCESS RAMP

DRAWING: LAYOUT AND GRADING PLAN

TRENT UNIVERSITY

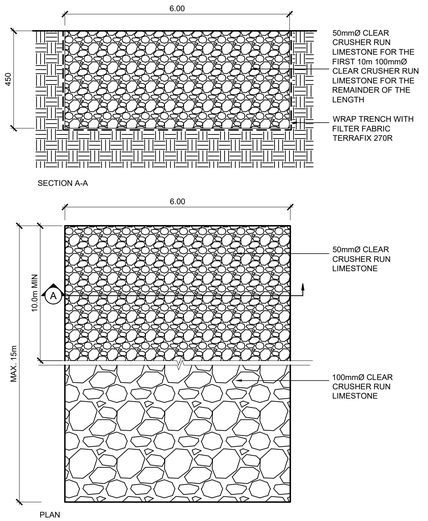
Northern Lights Landscape Architects

DRAWN:	CHECKED:	APPROVED:	PROJECT NO.:
AJ	SG	SG	
SCALE: AS SHOWN	DATE: 2025.06.23	DRAWING FILE: NL-050-L1.DWG	DRAWING NO.: L-2

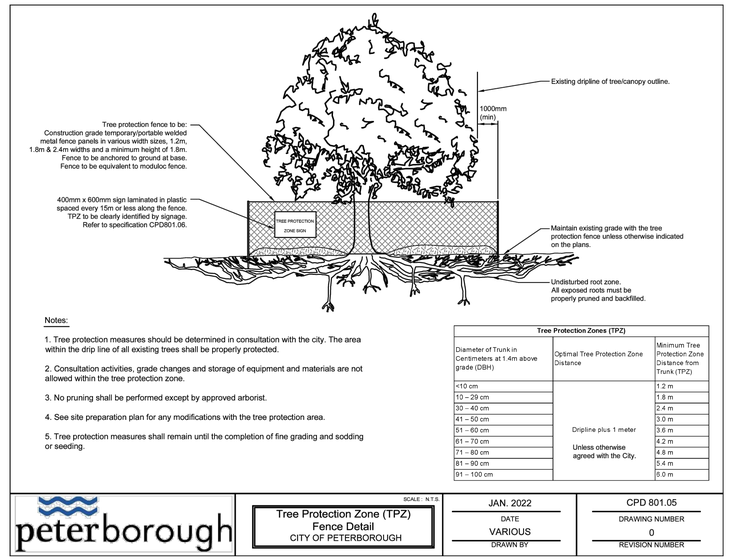


NOTES:
1. INSTALL FENCE ON FLAT STABLE TERRAIN
2. USE STAKES OR SAND BAG BALLAST TO SECURE THE FENCE PANELS ON UNEVEN TERRAIN
3. CONTRACTOR TO INSPECT AND REPOSITION FENCE DAILY TO MAINTAIN SITE SECURITY
4. PROVIDE 'SILT SACK' FOR SILTATION CONTROL WHERE INDICATED ON THE DRAWINGS. SILT SACK TO BE IN CONTINUOUS CONTACT WITH THE GROUND AND TO BE AFFIXED TO THE FAST FENCE PANEL USING GALVANIZED WIRE TIES @ 600mm O.C. MAX.
5. FILTER SOCK TO BE TERRAFIX SILT SOCK 200mm Ø - OR APPROVED EQUIVALENT.
6. TIE PANELS TOGETHER USING METAL CLAMPS OR TOP CLIPS

1 CONSTRUCTION FENCE
SCALE: 1:25



2 MUD MAT
SCALE: 1:75



Notes:

1. Tree protection measures should be determined in consultation with the city. The area within the drip line of all existing trees shall be properly protected.

2. Consultation activities, grade changes and storage of equipment and materials are not allowed within the tree protection zone.

3. No pruning shall be performed except by approved arborist.

4. See site preparation plan for any modifications with the tree protection area.

5. Tree protection measures shall remain until the completion of fine grading and sodding or seeding.

Tree Protection Zones (TPZ)

Diameter of Trunk in Centimeters at 1.4m above grade (DBH)	Optimal Tree Protection Zone Distance	Minimum Tree Protection Zone Distance from Trunk (TPZ)
<10 cm	Dripline plus 1 meter Unless otherwise agreed with the City.	1.2 m
10 – 29 cm		1.8 m
30 – 40 cm		2.4 m
41 – 50 cm		3.0 m
51 – 60 cm		3.6 m
61 – 70 cm		4.2 m
71 – 80 cm		4.8 m
81 – 90 cm		5.4 m
91 – 100 cm		6.0 m

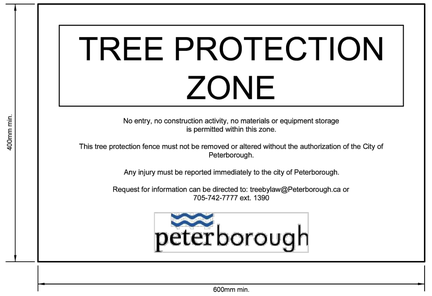
peterborough

Tree Protection Zone (TPZ) Fence Detail
CITY OF PETERBOROUGH

SCALE: N.T.S

JAN. 2022	CPD 801.05
DATE	DRAWING NUMBER
VARIOUS	0
DRAWN BY	REVISION NUMBER

3 TREE PROTECTION FENCE
SCALE: N.T.S



Sign Design, Installation and Maintenance:

TPZ information sign shall be constructed from metal,corrugated plastic, gatorboard or wood, and shall be installed in an appropriate manner such that it will be able to withstand inclement weather conditions. Signage shall be maintained in good condition and in the original location throughout the duration of the site development works. Signage shall be clearly visible, with black text on a white background.

Sign Placement:

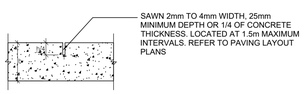
TPZ information signs shall be affixed no more than 15m apart on each outside face of tree protection fencing, at a height of no less than 1.0m.

Sign Size:

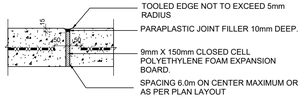
TPZ information signs shall be a minimum of 400mm x 600mm in size.

4 TREE PROTECTION SIGN
SCALE: N.T.S

NOTES:
1. ALL EXPOSED CONCRETE TO BE LIGHT AND STRAIGHT BROOM FINISH (UNLESS NOTED OTHERWISE)
2. FINISH EDGES NOT TO EXCEED 5mm RADIUS.
3. ALIGN EXPANSION JOINTS WITH ABOVE GRADE FEATURES WHERE NOT INDICATED ON PLAN.



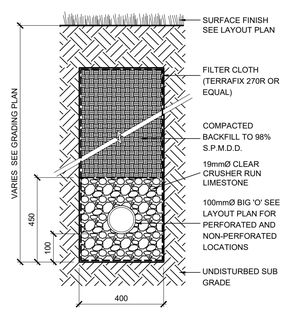
CONTROL JOINT



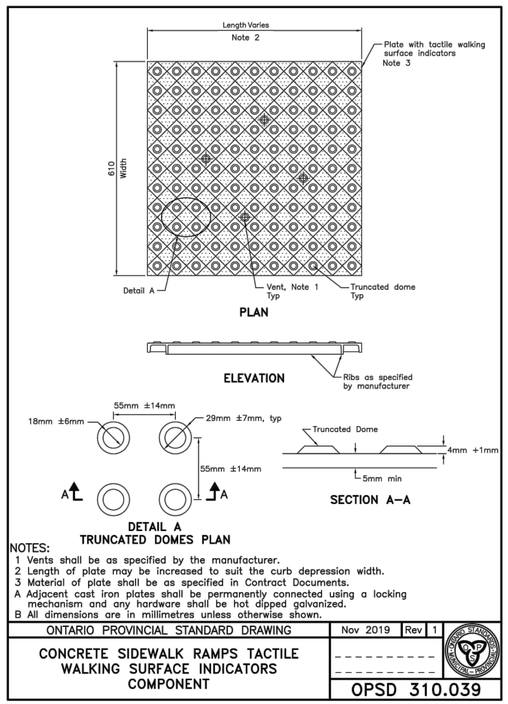
NOTES:
PROVIDE "SIKA SPEED DOWELS" AT ALL CONSTRUCTION AND EXPANSION JOINTS.

EXPANSION / CONSTRUCTION JOINT

5 CONCRETE JOINTING
SCALE: N.T.S.



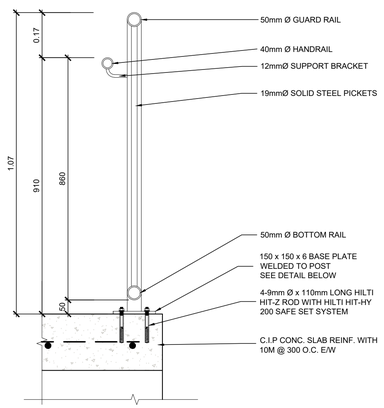
6 SUB-DRAIN
SCALE: 1:10



NOTES:
1 Vents shall be as specified by the manufacturer.
2 Length of plate may be increased to suit the curb depression width.
3 Material of plate shall be as specified in Contract Documents.
A Adjacent cast iron plates shall be permanently connected using a locking mechanism and any hardware shall be hot dipped galvanized.
B All dimensions are in millimetres unless otherwise shown.

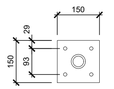
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2019	Rev	1
CONCRETE SIDEWALK RAMPS TACTILE WALKING SURFACE INDICATORS COMPONENT			
	OPSD 310.039		

7 TACTILE PLATE
SCALE: N.T.S.

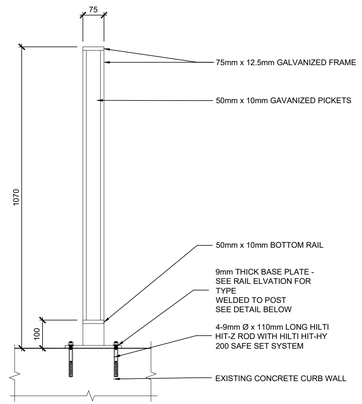


NOTES:
1. ALL STEEL PIPES TO BE SCHEDULE 40 WITH WELDED CONNECTIONS.
2. RAILING TO BE HOT DIPPED GALVANIZED
3. DAMAGE TO GALVANIZED FINISH TO BE TOUCHED UP WITH ZINC RICH PAINT PRIOR TO APPLYING FINAL FINISH COAT PAINT.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
5. ALL C.I.P. EXPOSED CONCRETE WALLS TO HAVE ARCHITECTURAL FINISH

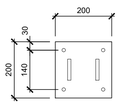
8 RAMP RAILING
SCALE: 1:10



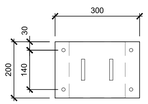
BASE PLATE



NOTES:
1. ALL STEEL PIPES TO BE SCHEDULE 40 WITH WELDED CONNECTIONS.
2. RAILING TO BE HOT DIPPED GALVANIZED
3. DAMAGE TO GALVANIZED FINISH TO BE TOUCHED UP WITH ZINC RICH PAINT PRIOR TO APPLYING FINAL FINISH COAT PAINT.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
5. EXISTING RAILINGS TO BE REPAIRED AS PER THE FOLLOWING:
   5.1. CLEAR / VACCUUM DEBRIS FROM EXISTING CORE HOLES
   5.2. WIRE BRUSH RUSTED STEEL MEMBERS
   5.3. APPLY ZINC RICH GALVINIZING FINISH TO ALL RUSTED AREAS
   5.4. FILL CORE HOLES WITH NON SHRINK GROUT FLUSH TO CURB SURFACE



BASE PLATE TYPE 1



BASE PLATE TYPE 2

9 UPPER WALKWAY RAILING
SCALE: 1:10

LEGEND

NO.	REVISION	DATE	BY
1	ISSUED FOR CLIENT REVIEW	xxxxxxx	xx

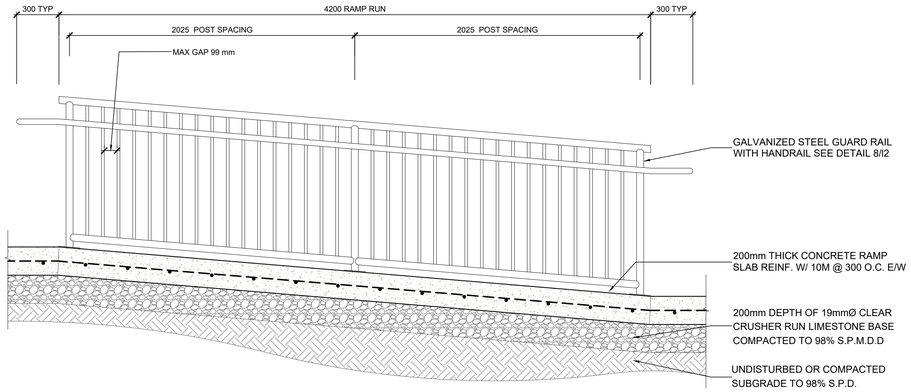
PROJECT:
ENWAYAANG WING
SOUTH ENTRY ACCESS RAMP

DRAWING:
DETAILS

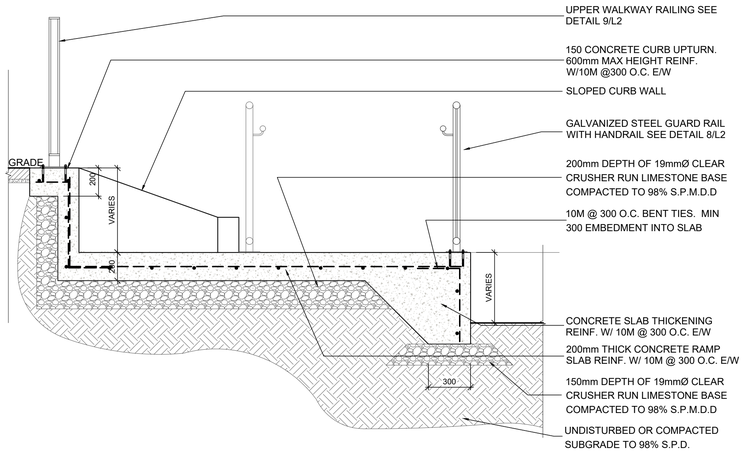
TRENT UNIVERSITY

Northern Lights Landscape Architects

DRAWN:	CHECKED:	APPROVED:	PROJECT NO.:
AJ	SG	SG	
SCALE: AS SHOWN	DATE: 2025.06.23	DRAWING FILE: NL-050-L1.DWG	DRAWING NO.: L-3



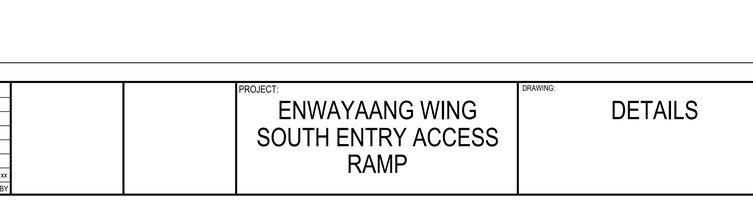
1 RAMP AND RAILING - SECTION D-D
SCALE: 1:20



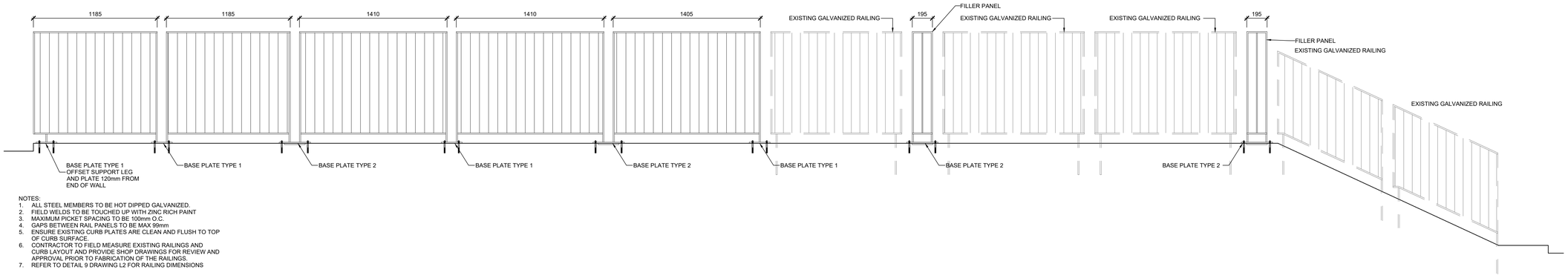
2 SECTION A-A MID LANDING
SCALE: 1:20

NOTES:
1. CONCRETE SHALL BE EXPOSURE CLASS C1, 32 MPa AT 28 DAYS WITH 6% AIR ENTRAINMENT, A MINIMUM CEMENT CONTENT OF 340kg/m AND 30mm MAXIMUM SLUMP OF 100mm.
2. 13mm MIN. OR ¼ **x THICKNESS**, WHICHEVER IS GREATER, SAW CUT CONTROL JOINTS TO BE LOCATED AT 1500mm INTERVALS, MAX. AND TO BE LOCATED WHERE TRANSITIONS OCCUR AND AREAS ABUTTING VERTICAL CORNERS.
3. CONSTRUCTION / EXPANSION JOINTS TO BE FILLED WITH BITUMINUS FIBER EXPANSION OR CLOSED CELL POLYETHYLENE FOAM AND SEALED WITH PARAPLASTIC CAULKING. TO BE AT 6000mm INTERVALS MAX. LAYOUT TO BE APPROVED ON SITE BY LANDSCAPE ARCHITECT.
4. CURING MEMBRANE (WHITE PIGMENTED) TO BE APPLIED AT THE RATE OF 4sq.m/L.
5. RADIUS EDGES (NO TOOLED EDGES)
6. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

3 SECTION B-B
SCALE: 1:20



4 SECTION C-C
SCALE: 1:20



NOTES:
1. ALL STEEL MEMBERS TO BE HOT DIPPED GALVANIZED.
2. FIELD WELDS TO BE TOUCHED UP WITH ZINC RICH PAINT
3. MAXIMUM PICKET SPACING TO BE 100mm O.C.
4. GAPS BETWEEN RAIL PANELS TO BE MAX 99mm
5. ENSURE EXISTING CURB PLATES ARE CLEAN AND FLUSH TO TOP OF CURB SURFACE.
6. CONTRACTOR TO FIELD MEASURE EXISTING RAILINGS AND CURB LAYOUT AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF THE RAILINGS.
7. REFER TO DETAIL 9 DRAWING L2 FOR RAILING DIMENSIONS

5 UPPER RAILING ELEVATION
SCALE: 1:20

LEGEND

NO.	REVISION	DATE	BY
1	ISSUED FOR CLIENT REVIEW	xxxxxx	xx

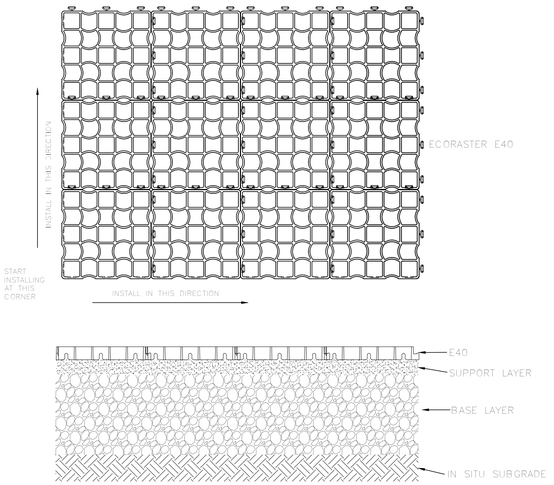
PROJECT: ENWAYAANG WING SOUTH ENTRY ACCESS RAMP

DRAWING: DETAILS

TRENT UNIVERSITY

Northern Lights Landscape Architects

DRAWN:	CHECKED:	APPROVED:	PROJECT NO.:
AJ	SG	SG	
SCALE: AS SHOWN	DATE: 2025.06.23	DRAWING FILE: NL-050-L1.DWG	DRAWING NO.: L-4



NOTES:

1. SUPPORT LAYER ~2in OF ANGULAR GRAVEL #7A OR SIMILAR. THICKNESS MAY BE REDUCED IF BASE CBR >6. ___BED ECORASTER INTO SUPPORT LAYER USING PLATE COMPACTOR OR SIMILAR.

2. BASE LAYER – COMPOSITION AND THICKNESS PER ENGINEER. SEE ECORASTER BEST PRACTICES MANUAL FOR TYPICAL INSTALLATIONS AND SUGGESTED PRODUCT USES AND DETAILS.

3. E40 MAY BE LEFT UNFILLED IF VEHICLE TIRE OR SURFACE LOAD PRESSURE <50 PSI. EDGES WHERE VEHICLES OR LOADS ENTER OR LEAVE SHOULD BE SUPPORTED BY GRAVEL FILLING OR SOLID EDGING TO MINIMIZE EDGE DEFORMATION. INSTALL ECORASTER LEVEL WITH ANY ADJACENT TRAVEL SURFACES. ANY FILLING TO BE PER ENGINEER OR PROJECT SPECIFICATIONS.

4. ALLOW FOR THERMAL EXPANSION WHEN INSTALLING IN A CONFINED AREA BY LEAVING ADEQUATE SPACE BETWEEN ECORASTER AND ADJACENT PAVEMENT OR HARD SURFACES. ECORASTER IS 100% RECYCLED LDPE WITH A WORKING TEMPERATURE RANGE OF -65 TO 150F.

5. E40 INDIVIDUAL GRIDS ARE A NOMINAL 1.3x1.3x1.6in WHEN ASSEMBLED. A 3x4 PREASSEMBLED MULTI GRID (SHOWN) IS SHIPPED TO THE JOB SITE FOR EASE OF INSTALLATION. WEIGHT IS 1.07 lb/sf. ECORASTER IS NONTOXIC TO FISH AND WILDLIFE.

6. GRIDS SNAP TOGETHER WITH FOOT PRESSURE (NO TOOLS REQUIRED) AND CAN BE CUT ON SITE WITH SAWSALL, CIRCULAR SAW, CONCRETE SAW OR SIMILAR.

7. ECORASTER CARRIES A 20 YEAR WARRANTY WHEN INSTALLED PER THIS DRAWING. CONSULT ENGINEER FOR ANY ADDITIONAL REQUIREMENTS ON ALL PROJECTS PRIOR TO CONSTRUCTION.

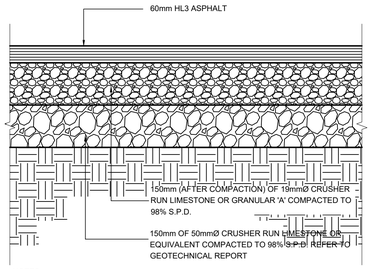
8. TYPICAL GRAVEL FILLING FOR THE ECORASTER LAYER IS THE SAME MATERIAL AS THE SUPPORT LAYER. OTHER MATERIALS PER ENGINEER.

ECORASTER®

ECORASTER E40
Gravel Filled

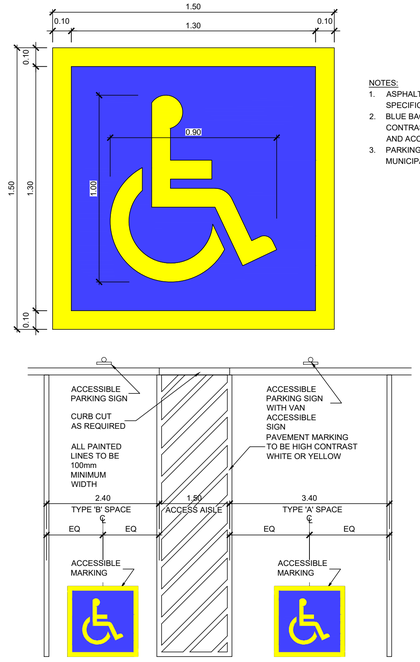
DATE	SCALE	REV
30 JULY 2021	NTS	

1 ECORASTER PERMEABLE PAVING GRID
SCALE: N.T.S.



NOTES:
1. ENSURE THAT ALL ORGANIC MATTER IS REMOVED FROM THE EXCAVATED AREA PRIOR TO PLACING AND COMPACTION OF BASE MATERIALS.
2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
3. SUB-GRADE TO BE UNDISTURBED, STABLE & COMPETENT
4. PROOF ROLL SUB-GRADE PRIOR TO PLACEMENT OF PAVEMENT BASE MATERIALS AND SUB-EXCAVATE, BACKFILL AND COMPACT ANY SOFT AREAS AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
5. PLACE BASE MATERIALS IN 150mm MAX LIFTS COMPACTING TO 98% S.P.M.D.D BETWEEN LIFTS.
6. ASPHALT MATERIALS TO CONFORMTO OPSS FORM 1150 AND BE COMPACTED TO 97% MINIMUM OF MIX DESIGN DENSITY.
7. CONTRACTOR TO COORDINATE COMPACTION TESTING FOR SUB-BASE, BASE GRANULARS AND ASPHALT PLACEMENT

2 MEDIUM DUTY ASPHALT PAVING
SCALE: 1:10



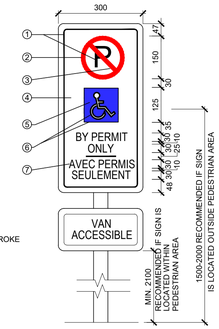
NOTES:
1. ASPHALT MARKING PAINT AS PER SPECIFICATIONS.
2. BLUE BACKGROUND WITH HIGH CONTRAST WHITE OR YELLOW LINES AND ACCESSIBLE SYMBOL.
3. PARKING STALL LENGTH AS PER MUNICIPAL ZONING REQUIREMENTS

3 ACCESSIBLE PARKING SPACES
SCALE: 1:15

NOTES:

1. SIGNS LARGER THAN THE MINIMUM 300x450 (ENGLISH) OR 300x600 (BILINGUAL) REQUIRED BY THE HIGHWAY TRAFFIC ACT ARE RECOMMENDED.

2. 'VAN ACCESSIBLE' SIGN AS PER ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT.



1. BLACK LETTER 'P', LEGEND AND BORDER STRIP
2. 20mm WIDE RED REFLECTIVE BAND
3. 15mm WIDE RED REFLECTIVE INTERDICTORY STROKE
4. WHITE REFLECTIVE BACKGROUND
5. BLUE REFLECTIVE BACKGROUND
6. WHITE REFLECTIVE SYMBOL AND BORDER
7. TEXT FONT, CLEARVIEW OR SIMILAR

4 ACCESSIBLE PARKING SIGN
SCALE: 1:10

LEGEND

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PROJECT NO.:

DRAWING NO.: L-5