

Telephone: 416-392-5900 Fax: 416-392-5934

2022-04-07

REQUEST FOR QUOTATION SUPPLY & INSTALLATION OF NEW HANDRAIL RFQ 24-(2022-04)

The Toronto Zoo invites you to submit a quotation to provide labour, tools, materials and equipment to complete the installation of a handrail at the Toronto Transit Commission (TTC) loop and summer camp drop-off area - Toronto Zoo. All work is to be completed in accordance with the drawings and specifications in the Request for Quotation (RFQ).

The work shall commence as soon as possible once the project is awarded, a Purchase Order has been issued, and required start-up documentation has been received by the Toronto Zoo. All work is to be completed by **Friday**, **2022-05-20**.

The Quotation package includes Instructions, Terms & Conditions, Requirements, Drawings, and Forms. Quoted prices shall remain in effect for a period of ninety (90) days from the Quotation due date.

Site Meeting: By appointment only on **2022-04-13**, at **10:00** a.m. local standard time. Bidders are required to pre-register by email, no later than 2022-04-08 at 12:00 p.m. local standard time.

> Email: <u>pvasilopoulos@torontozoo.ca;</u> <u>mrios@torontozoo.ca;</u> <u>bknoop@torontozoo.ca</u>

The Board of Management of the Toronto Zoo reserves the right to reject any or all quotes or to accept any quote, should it deem such an action to be in its interests.

If you have any queries regarding this request for quote, please contact Peter Vasilopoulos, Supervisor of Purchasing & Supply, (416) 392-5916. If you have any technical queries regarding this request for quote, please contact Magdalena Rios, Project Coordinator, mrios@torontozoo.ca.

Yours truly,

Peter Vasilopoulos Supervisor, Purchasing & Supply

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1.0 INSTRUCTIONS

- **1.1** Ensure that you have received all **nineteen (19)** pages and **six (6)** drawings of the RFQ package.
- **1.2** A site meeting, by appointment only, will be held on **Wednesday**, **2022-04-13**, **1000 hours** (**10:00am**) meeting at the Toronto Zoo, Administrative-Support Centre, 361A Old Finch Ave., Scarborough, Ontario. Bidders are required to pre-register by email, no later than 2022-04-08 at 12:00 p.m. local standard time.
- **1.3** Complete ALL FORMS in section 4.0 and return by due date and time received on or before **Friday**, **2022-04-22**, **1200 hours (noon, local time)** or your Quotation will not be considered.

Your quotation must be completed, and received by the Supervisor, Purchasing & Supply, by:

Friday, 2022-04-22, 1200 hours (noon, local time)

Submission – Temporary process - In view of the current situation with COVID 19 and to limit personal interaction, on a temporary basis submission for this Request for Quotation can be submitted electronically by email in a PDF file, prior to the submission deadline only to the following email address

bids@torontozoo.ca

and note the following:

a. Subject of the file to be: RFQ# - Title of RFQ – Vendor name.

b. Amendments to a Proposal may be submitted via the same methods, at any time prior to the Closing Time.

c. It is the Supplier's sole responsibility to ensure its Bid is received by the Submission Deadline in accordance with the requirements of this RFP. The receipt of Bids can be delayed due to a number of factors including "internet traffic", file transfer size and transmission speed. The Supplier should allow sufficient time to download, complete and upload, as applicable, the submission forms comprising its Bid and any attachments.

A Bid will only be considered to be submitted once it has been received by the Toronto Zoo. The time of such receipt is reflected by the time received stamped by the Toronto Zoo's email application

- **1.4** Quotations must not be submitted by facsimile, email or any other electronic format.
- **1.5** Show itemized cost of HST if applicable.
- **1.6** Toronto Zoo reserves the right to award in whole or in part on the basis of the bids received, Lump Sum Price or Breakdown Price.
- **1.7** All Prices submitted shall be quoted in Canadian currency.

- **1.8** Use the attached submission label, when you submit your response in a sealed envelope or package and deliver to the Toronto Zoo.
- **1.9** Quotation prices shall remain in effect for a period of ninety (90) days from the Quotation due date.
- **1.10** Include product information, samples, and pictures, as necessary.
- **1.11** Provide references of at least three (3) clients for whom your company has performed similar work. References must include photos of three (3) different installations, client company name, contact name, address and e-mail address.
- **1.12** If applicable, suggested alternative products are acceptable, however all such products must be quoted separately and should not replace the Toronto Zoo requested product, work or service.
- **1.13** It is the responsibility of the Bidder to understand all aspects of the RFQ and to obtain clarification if necessary before submitting their quotation.
- **1.14** For any questions concerning the contract terms and conditions of this RFQ, please contact:

Peter Vasilopoulos, Supervisor, Purchasing & Supply, Tel: 416-392-5916, Fax: 416-392-6711, E-mail: <u>pvasilopoulos@torontozoo.ca</u>

Any questions regarding the work in this RFQ must be forwarded by the end of the day **Monday**, **2022-04-18** to:

Magdalena Rios, Project Coordinator, E-mail: <u>mrios@torontozoo.ca</u>

2.0 TERMS AND CONDITIONS

- 2.1 Definitions: Wherever used in the Request for Quotation the word "Board" means the Board of Management of the Toronto Zoo and;
 "Vendor" or "Contractor" means the person or persons or Corporation to whom the purchase order is issued.
- **2.2 Vendor Assurance:** Unless otherwise stated, the goods, material, articles, equipment, work or services, specified or called for in or under this Quotation, shall be delivered or completely performed, as the case may be, by the Vendor as soon as possible and in any event within the period set out herein as the guaranteed period of delivery or completion.
- **2.3 Country of Origin:** Wherever possible, the goods, services, materials, articles or equipment, specified or called for in or under this Quotation, shall be of Canadian origin and manufacture.
- **2.4 Delivery:** The prices stated in this Quotation cover the services, material, articles or equipment referred to herein, being delivered F.O.B. destination, freight, express, duty and all other charges prepaid, unless otherwise indicated herein. A detailed delivery ticket or piece tally, showing the exact quantity of goods, material, articles or equipment shall accompany each delivery. A receiver's receipt shall not bind the Board to accept the goods, material, articles or equipment covered thereby, or the particulars of the delivery ticket or piece tally therefore. The Vendor shall not be entitled to any interest upon any bill due to delay in its approval by the CEO of the Toronto Zoo or his designate.
- **2.5 Invoicing:** Unless otherwise indicated herein, the prices stated are payable in Canadian Funds at the head office of the Board. Any Harmonized Sales Tax (HST) applicable shall be shown as a separate item. The Vendor's HST/Business registration number must be indicated on the invoice.

The Vendor shall clearly show any special charges such as packaging and freight, where applicable, as separate items on the invoice.

Payments to non-resident Vendors may be subject to withholding taxes under the Income Tax Act (Canada). Unless a non-resident Vendor provides the Board with a letter from Revenue Canada, Taxation waiving the withholding requirements, the Board will withhold the taxes it determines are required under the Income Tax Act (Canada).

- **2.6** Notice of Delivery: The Vendor shall notify the Purchasing Agent of the Board at the address given for the mailing of invoices, in writing as soon as possible of the details of the shipment of the goods, materials, articles or equipment.
- **2.7 Right to Cancel:** The Board shall have the right to cancel at any time this Quotation or any contract or any part of any contract resulting from this Quotation in respect of the goods, material, articles, equipment, work or services set out in this Quotation or any such contract or part of such contract, not delivered or performed at the time of such cancellation, and the Board will not be responsible to make any payments in respect of any such goods, materials, articles, equipment, work or services and shall not incur any liability whatsoever in respect thereto.

In the event that the Vendor fails or neglects by any act or omission to comply with any of the conditions set out herein, this Quotation or any contract resulting from this Quotation may be unconditionally cancelled by the Board without notice to the Vendor.

- **2.8 Official Agreement:** No verbal arrangement or agreement, relating to the goods, material, articles, equipment, work or services, specified or called for under this Quotation, will be considered binding, and every notice advice or other communication pertaining thereto, must be in writing and signed by a duly authorized person.
- **2.9 Worker's Rights:** The Vendor shall comply with the conditions of the Board relating to Worker's Rights, a copy of which is available on application to the Manager, Fair Wage and Labour Trades Office, City of Toronto, 18th Floor, West Tower, City Hall, Toronto, Ontario, M5H 2N2 or by phone at 416-392-7300.
- **2.10 Insurance:** The Contractor shall, at his/her own expense obtain and, until the work is fully complete maintain, broad-scope insurance coverages, hereof, satisfactory to the Chief Executive Officer as to form and substance, with the indicated policy form of the Canadian Construction Documents Committee (CCDC), its equivalent or better subject to such modifications therein to cover unusual aspects of the work, working conditions or other circumstances as may be specified elsewhere in the Contract.
- 2.10.1 The Contractor shall effect, maintain and keep in force, at its sole cost and expense and satisfactory to the Chief Executive Officer as to form and substance the insurance described below:
- 2.10.2 All risks property insurance on property of every description and kind owned by the contractor or for which the Contractor is responsible while on the premises of the Board in an amount not less than full replacement value. The policy shall be endorsed to provide a waiver of subrogation against the Board for any loss or damage to insured property, however caused.
- 2.10.3 Commercial general liability insurance, including owners' and contractors' protective, products, completed operations, personal injury, employer's liability, contractual liability, occurrence basis property damage, liability arising from the sale of serving of alcoholic beverages and provisions for cross liability and severability of interests with a limit of not less than Two Million Dollars (\$2,000,000.00) per occurrence. The policy shall be endorsed to name the Board as an additional insured with respect to the operations of the Contractor under this agreement.
- 2.10.4 Standard automobile liability insurance for all owned vehicles with limits of not less than Two Million Dollars (\$2,000,000.00) per occurrence.
 - 2.10.4.1 All policies of insurance required to be taken out by the Contractor shall be placed with insurers licensed to conduct business in the Province of Ontario and shall be subject to the approval of the Chief Executive Officer, acting reasonably.
 - 2.10.4.2 The Contractor shall deliver to the Board evidence of the insurance required prior to the commencement of the agreement, in form and detail satisfactory to the Chief Executive Officer acting reasonably.

- 2.10.4.3 The provisions of this section 2.7 shall no way limit the requirements and obligations imposed on the Contractor elsewhere in the Contract, nor relieve the Contractor from compliance therewith and fulfillment thereof.
- 2.10.4.4 The parties agree that insurance policies may be subject to deductible amounts, which deductible amounts shall be borne by the Contractor.
- 2.10.4.5 The provisions of this article shall in no way limit the requirements and obligations imposed on the Contractor elsewhere in the Contract, nor relieve the Contractor from compliance therewith and fulfillment thereof.
- **2.11 Indemnity:** The Vendor shall at all times well and truly save, defend, keep harmless and fully indemnify the Board, the City of Toronto, Toronto Region and Conservation Authority and their servants, employees, officers or agents, hereinafter called the "Indemnities", from and against all actions, suits, claims, demands, losses, costs, charges, damages, and expenses, brought or made against or incurred by the Indemnities, its or their servants, officers, employees, agents or invitees in any way relating, directly or indirectly, to goods, material, articles or equipment supplied or to be supplied, or to the supplying of goods or services, pursuant to this Quotation, or any other claim, action, suit, demand, loss, cost, charge, damage or expense relating to copyright, trademark or patent with regard directly or indirectly with any such goods, services, material, articles or equipment or the supply or performance thereof.
- **2.12 Liability for Acts of Vendor Employees, Contractors or Agents**: The Vendor acknowledges responsibility and accepts liability for the acts of any of its employees, contractors and agents while on Toronto Zoo property. The Toronto Zoo reserves the right to request background checks for any individual providing the services requested on behalf of the Vendor.
- **2.13 Guaranty of Quotation:** All goods, material, articles, equipment, work or services, specified or called for in or under this Quotation, shall be supplied or performed at the price or process and on the basis set forth or referred to in and in accordance with the Offer and this Quotation. The basis on which this Quotation is given shall include any specifications, plans, price schedules, samples, addenda or other details pertaining thereto, or provided in connection therewith.
- **2.14 Right of Notice:** Any notice that the Board may be required or desire to give to the Vendor shall for all purposes to be deemed to have been sufficiently and properly given and afforded by registered mail addressed to the Vendor at the address shown for the Vendor on this form and shall therefore be presumed to have been received by the Vendor on the third day following such registration.
- **2.15 Formal Contract:** The Vendor may be required and shall, if requested by the solicitor for the Board so to do, to execute and enter into a formal contract that is satisfactory to the solicitor for the Board, in order to document the contract resulting from this Quotation and to embody indemnity and related provisions that in the opinion of such solicitor are required to protect the Board.
- **2.16 Charity Status:** The Toronto Zoo is a registered charitable organization (registration #BN 119216398RR0001) and accordingly may be eligible for preferred pricing which should be reflected in the Quotation as submitted.

Toronto ZOO RFQ # 24 (2022-04) – NEW HANDRAILS

2.17 Performance Evaluation: The Contractor's performance will be evaluated by the Chief Executive Officer and/or Chief Executive Officer's Representative during the Contract and at the end of the Contract. In the event that the Contractor's performance is considered unsatisfactory by the Chief Executive Officer and/or Chief Executive Officer's Representative, the Contractor and/or its affiliates may become ineligible from bidding on future contracts issued by the Board.

3.0 PROJECT REQUIREMENTS

The scope of work includes supply of all labour, tools, materials and equipment necessary to complete the installation of a handrail at the Toronto Transit Commission (TTC) loop and summer camp drop-off area - Toronto Zoo. All work is to be completed in accordance with the drawings and specifications in the Request for Quotation (RFQ). The contractor is responsible for all pricing and all other arrangements with all subcontractors as required.

Work is to be completed by Friday, 2022-05-20.

The work shall commence once the project has been awarded and a Purchase Order issued.

3.1 SCOPE OF WORK

- 1. Supply all labour, tools, materials and equipment to complete the work as outlined in the quotation documents, drawings and specifications.
- 2. All work to be completed in accordance with applicable codes (e.g. Building Code, Electrical Code, Fire Code, etc.)
- 3. All measurements to be site verified.
- 4. Toronto Zoo will complete a site service locate prior to commencement of work. The contractor must hand dig or hydrovac within 2m on either side of located services.
- 5. In accordance with the Zoo's hot work permit, fire watches are to be provided for 4 hours after the hot work has been completed.
- 6. Supply shop drawings for approval prior to fabrication and install.
- 7. Handrail Installation at TTC Loop.
 - a. Install new 2" diameter, 304-grade min. stainless steel handrail of 20' length (sub-segmented into 10' long), with (3) post of 44" height, end caps on (3) posts, with a welded top and mid rail (of same material and size).
 - b. Top rail center to be 3" bellow the top of the post.
 - c. Mid rail center to be 20" below center of top rail.
 - d. Posts anchored into existing concrete pavement using a 5" diameter flange (post to be welded to flange) with three to four wedge anchors.
 - e. Anchors to be approved by client before installation.
 - f. All materials to be used must be anti-corrosive. Space each 20' segment by 12" o/c. The installation must be 12" from the edge of curb or edge of concrete pavement
- 8. Handrail Installation at Summer Camp Drop-Off.
 - a. Pour 32MPa concrete in a 12" diameter sonotubes, min 36" deep into the ground.
 - b. Top of footings to be flush with finish grade.

- 9. Handrail Installation at Summer Camp Drop-Off.
 - a. Install new 2" diameter, 304-grade min. stainless steel handrail of 20' length (sub-segmented into 10' long), with (3) post of 44" height, end caps on (3) posts, with a welded top and mid rail (of same material and size).
 - b. Top rail center to be 3" bellow the top of the post.
 - c. Mid rail center to be 20" below center of top rail.
 - d. Posts anchored into new concrete footing referred on previous point, using a 5" diameter flange (post to be welded to flange) with three to four wedge anchors.
 - e. Anchors to be approved by client before installation.
 - f. All materials to be used must be anti-corrosive. Space each 20' segment by 36" o/c. The installation must be 18" from the edge of curb.
- 10. Handrail Installation at Summer Camp Drop-Off.
 - a. Install (3) sleeves of 2" diameter by 24" long, 304-grade min. stainless steel, welded at each post, aligned vertically with mid rail and horizontally with post.
 - b. To add end cap for the top of sleeve without being welded.
- 11. Safety Line at Summer Camp Drop-Off.

3" diameter by 76" tall cedar wood post, hammered in limestone screening at least 36" underground @ 10' o/c, with (2) shoulder pattern mechanical eye bolts, stainless steel, anchored on each side of the post with 5/8" nylon twisted white rope (or similar) tied around eye bolt.

- 12. Protect all areas not affected by the work. Any damage to these areas will be the responsibility of the contractor to rectify.
- 13. Clean the work area and remove all debris from site on a daily basis. Site to remain protected and secure at all times.
- 14. Excess material will be stored on the Toronto Zoo site for future use. Toronto Zoo staff will designate a suitable area for stockpiling of additional material.
- 15. The contractor is required to provide closeout documents including but not limited to as built drawings, warranty, and inspection certificates.
- 16. The contractor shall supply the Zoo with copies of relevant certificates and licences for all workers before commencement of work.

The following are attached:

DRAWINGS:

General Notes, Drawing List and Key Plan
Proposed Handrail at TTC Loop
Proposed Handrail at Summer Camp
Handrail Detail & Quantification
Handrail Detail at Summer Camp
Site Services

3.2 CONTRACTOR RESPONSIBILITIES

1. Regular meetings/communication with the Toronto Zoo Project Team to review

project status and to discuss issues that may arise during the project.

- 2. Provide samples, mock ups, etc. as required to the Project Team.
- 3. Provide product information, SDS sheets and colour samples to the Project Team prior to start of the work where applicable.
- 4. Provide the Zoo with a two (2) year warranty upon completion of the project.
- 5. Protect adjacent areas not included in the project. Any damage caused will be the responsibility of the contractor to rectify at no additional cost to the Zoo.
- 6. Clean-up the work area daily and make good any damage caused as a result of the work.
- 7. Secure the work site and provide construction signs and barriers to prevent injury to Zoo personnel and the public who will require access to the space during the work.
- 8. Upon award of contract, Contractor is to finish all work, including clean up and demobilization by the completion date specified.
- 9. Submit all shop drawings for review and approval prior to start of fabrication. Review of shop drawings shall not mean that the Toronto Zoo approves detail design inherent in shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in shop drawings or of his responsibility for meeting all requirements of the subcontract documents.
- 10. Submit close out documents as requested. Include warranties and "As built" drawings.

3.3 SAFETY SPECIFICATIONS

- 1. It is the responsibility of the Contractor to protect the site as required during construction.
- 2. Ensure that awareness of public safety is considered and protect visitors in the vicinity during the construction period.
- 3. All necessary personal protective equipment must be worn at all times and MSDS sheets must be available on site as required.
- 4. The contractor is to abide by applicable Toronto Zoo Health & Safety Policies, the Ontario Health and Safety Acts, the Ontario Building Code and all other applicable codes including the Fire Codes.
 - i. SAFE-002 Health & Safety Hazard Reporting
 - ii. SAFE-017 Contractors Safety
 - iii. SAFE-018 Vehicles on Site
 - iv. SAFE-007 Working in Confined Space
 - v. SAFE-025 Hot Work
 - vi. SAFE-013 Equipment Lockout/Tagout

Toronto Zoo's Commitment to the City of Toronto's Corporate Smog Alert Response Plan

5. It is the responsibility of the Contractor to ensure that the work site is properly protected at all times. All work sites must be marked, barriered, and protected adequately with construction signs posted to secure and isolate the work site from the public or other personnel that have access to the area.

3.4 OTHER INFORMATION

The successful bidder must demonstrate the ability to complete the work to standards acceptable to the Zoo and prove past performance in the completion of similar types of work for other clients by providing relevant examples of work and references. The successful bidder must also demonstrate and guarantee that they can produce the work in the allotted time.

4.0 SUBMISSION FORMS:

I/We, hereby, submit the Quotation and will comply with all terms, conditions, specifications and drawings (when provided) as set out within the Board's Quotation.

I/We, hereby, have received, allowed for and included as part of our submission all issued Addendum numbered ______.

This form must be completed, properly signed and received on or before the date and time specified or your Quotation will not be considered. Quotation prices shall remain in effect for a period of ninety (90) days from the Quotation due date.

The Board of Management of the Toronto Zoo reserves the right to reject any or all Quotations or to accept any Quotation, should it deem such action to be in its interests.

By signing and submitting this FORM, you are agreeing to the release of your quotation information, as deemed necessary by the Board, in order to conduct business associated with this quotation or project.

COMPANY INFORMATION	
Company Name:	
Name of authorized	
Signing Officer	Title:
Signature of authorized	Date:
Signing Officer:	
Contact Name:	Title:
Address:	
Telephone #:	Fax #:
Email:	Web Site:
HST #:	

4.1 QUOTATION PRICING - LUMP SUM PRICE

DESCRIPTION	Price complete, excluding HST
To provide all labour, tools, materials and equipment necessary to complete the installation of new handrail at the TTC loop and summer camp drop-off area - Toronto Zoo, as specified in the quotation documents, drawings and specifications of the RFQ package.	\$
HST	
Total	

COMMITMENT TO DELIVER	YES / NO
Please confirm that you are able to complete the work by:	
Friday, 2022-05-20.	

WARRANTY	Specify
Please confirm two (2) year warranty upon completion of the project.	

DISCOUNT	Discount	Days
Discount allowed for prompt payment and period within which invoice must be paid to qualify.	%	

Name of Firm:

SUBMISSION LABEL

INTENIONALLY LEFT BLANK

NOTICE OF NO BID

INSTRUCTIONS:

It is important to the Toronto Zoo to receive a reply from all invited bidders. If you are unable, or do not wish to submit a bid, please complete the following portions of this form. State your reason for not bidding by checking the applicable box(es) or by explaining briefly in the space provided. It is not necessary to return any other Request for Proposal/Quotation/Tender documents or forms. Please just return this completed form by fax or by mail prior to the official closing date. **Purchasing and Supply Fax Number: (416) 392-6711.**

A Proposal/Quotation/Tender is not sub	mitted for the following reason(s):
Project/quantity too large.	Project/quantity too small.
We do not offer services or commodities to these requirements	Cannot meet delivery or completion requirement
We do not offer this service or commodity.	Agreements with other company do not permit us to sell directly.
Cannot handle due to present commitments.	Licensing restrictions
Unable to bid competitively.	We do not wish to bid on this service or commodity in the future.
Insufficient information to prepare quote/proposal/tender	Specifications are not sufficiently defined
We are unable to meet bonding or insurance requirements.	

Other reasons or additional comments (please explain):

Company Name:	
Address	
Contact Person:	
Signature of	
Company	
Representative:	
Date:	
Phone Number:	
Email address	
Fax Number:	

APPENDIX A – LIST OF SUB-CONTRACTOR

The Bidder proposes to sublet the following portions of the Work to the persons firms or corporations indicated. The Bidder (Contractor) is responsible for all pricing with all subcontractors.

The Bidder submits that in proposing the under mentioned subcontractors, the Bidder has consulted each and have ascertained to our completed satisfaction that those names are fully acquainted with the extent and nature of the work and that they will execute their work with the requirements of the contract documents.

Work or services to be provided	Name and address of sub-contractor or person	Telephone

Name of Bidder:	

APPENDIX B - ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT (AODA)

The Toronto Zoo supports the goals of the Accessibility for Ontarians with Disabilities Act (AODA), 2005 and is committed to providing equal treatment and equitable benefits of Toronto Zoo services, programs and facilities in a manner that respects the dignity and independence of people with disabilities.

Accessibility for Ontarians with Disabilities Act (AODA) Requirements: "Pursuant to Section 6 of Ontario Regulation 429/07 ("Regulation"), Accessibility Standards for Customer Service made under the Accessibility for Ontarians with Disabilities Act, 2005, the contractor, i.e. successful bidder/proponent, shall ensure that all of its employees, agents, volunteers, or others for whom it is at law responsible, receive training about the provision of the goods and services contemplated herein to persons with disabilities. Such training shall be provided in accordance with Section 6 of the Regulation and shall include, without limitation, a review of the purposes of the Act and the requirements of the Regulation, as well as instruction regarding all matters set out in Section 6 of the Regulation. This training will take approximately twenty minutes and is available on-line at http://www.mcss.gov.on.ca/mcss/serve-ability/splash.html

The contractor, i.e. successful bidder/ proponent where requested by the Toronto Zoo shall provide written proof that all employees, agents, volunteers, or others for whom it is at law responsible have been trained as required under the act as well as any documentation regarding training policies, practices and procedures."

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APPENDIX C - COVID-19 Proof of Vaccination Requirements

All business visitors, contractors, sub-contractors, service providers, consultants, deliverers andvendors, any of whom may require access to our Zoo property, must be fully vaccinated with a COVID-19 vaccine. This requirement shall be in addition to any other division-specific policies regarding COVID-19 vaccination or under regulations, legislation or guidelines applicable to them.

I acknowledge and confirm that I shall comply with the above direction, including providing proof of vaccine status as required by the Toronto Zoo.

Name: I have authority to bind the Business Partner

Title:

.

GENERAL NOTES:

- 1. ALL PROJECT WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE MOST UP TO DATE ONTARIO BUILDING CODE (IF APPLICABLE).
- ALL DIMENSIONS ARE TO BE VERIFIED ON SITE. 2. DO NOT SCALE THESE DRAWINGS.
- ANY DISCREPANCIES MUST BE BROUGHT TO THE 3. ATTENTION OF THE TORONTO ZOO.
- CONTRACTORS MUST ADHERE TO TORONTO ZOO 4. POLICIES AND OH&S ACT AT ALL TIMES WHEN ON ZOO PROPERTY.
- CONTRACTORS ARE TO CHECK IN AND OUT AT 5. SECURITY EVERY TIME THEY ARE ENTERING OR EXITING ZOO PROPERTY.
- ADJACENT AREAS MUST BE PROTECTED DURING 6. SITE WORK, DELIVERY, PLACEMENT AND INSTALLATION OF THE NEW BUILDING.
- CONTRACTORS ARE TO MAKE GOOD ANY 7. DAMAGES INFLICTED BY THEIR WORK TO ADJACENT AREAS UPON COMPLETION OF THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE 8. SUPPLY AND INSTALLATION OF ANY MATERIALS NOT SPECIFICALLY DRAWN OR DESCRIBED BUT REASONABLY IMPLIED AND NECESSARY FOR COMPLETION OF WORK WITHOUT ADDITIONAL COSTS UNDER HIS OR HER CONTRACT.

DRAWING LIST:

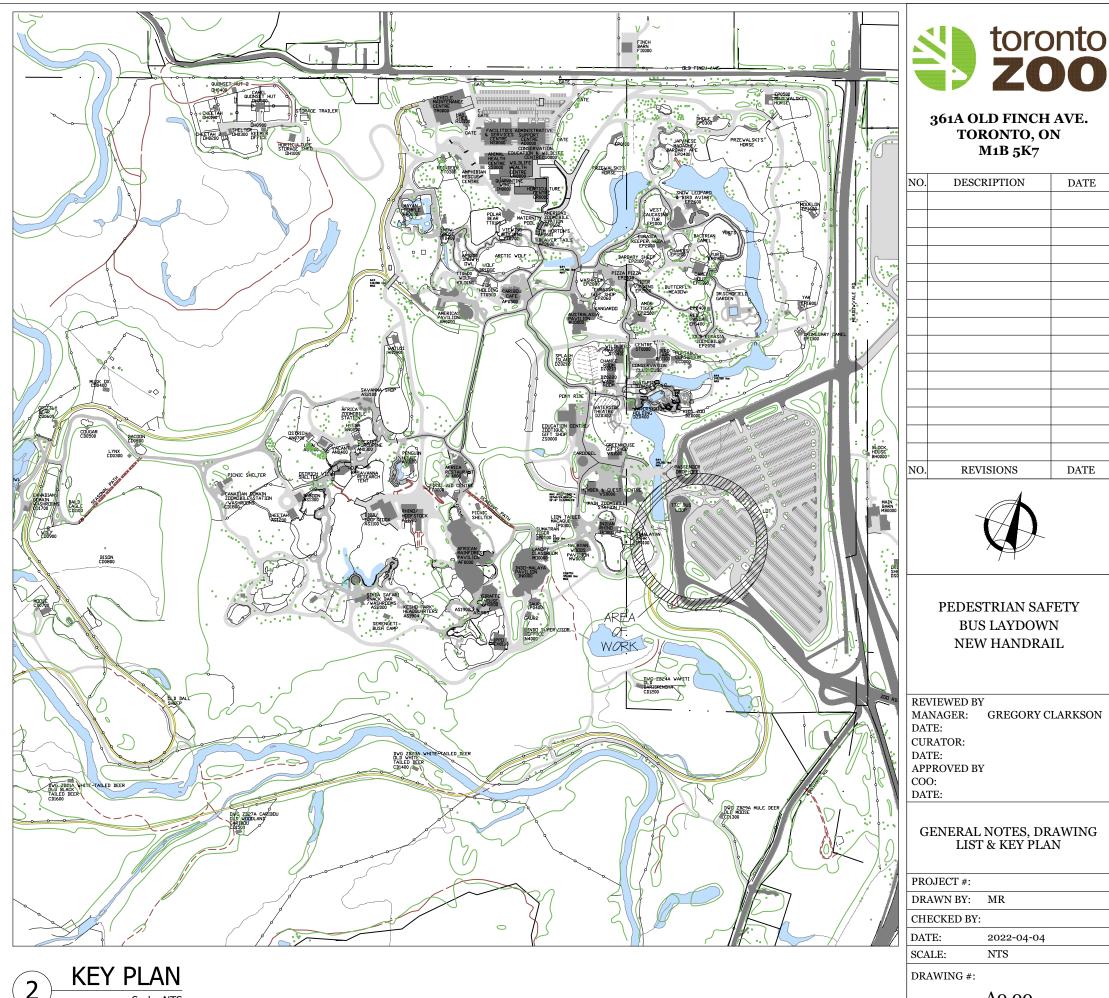
A0.00 GENERAL NOTES, DRAWING LIST AND KEY PLAN NTS

 $\frac{1}{32}$ " = 1'-0"

 $\frac{1}{16}'' = 1' - 0''$

1:10

- PROPOSED HANDRAIL AT TTC LOOP A1.01 2
- PROPOSED HANDRAIL AT SUMMER CAMP A1.02 3
- HANDRAIL DETAIL & QUANTIFICATION A1.03 4
- A1.04 HANDRAIL DETAIL AT SUMMER CAMP 1:10 5

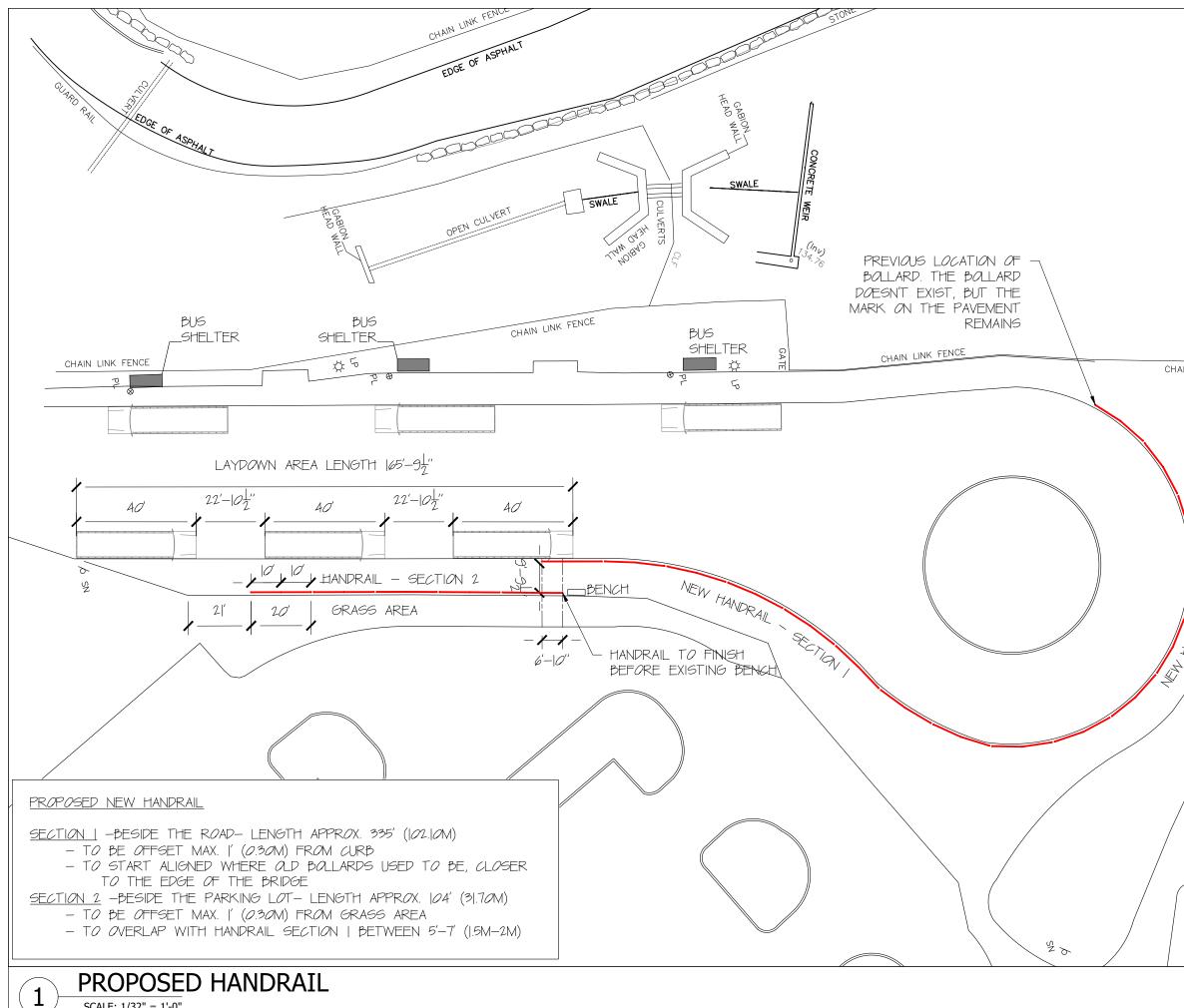


GENERAL NOTES + DRAWING LIST

Scale: NTS

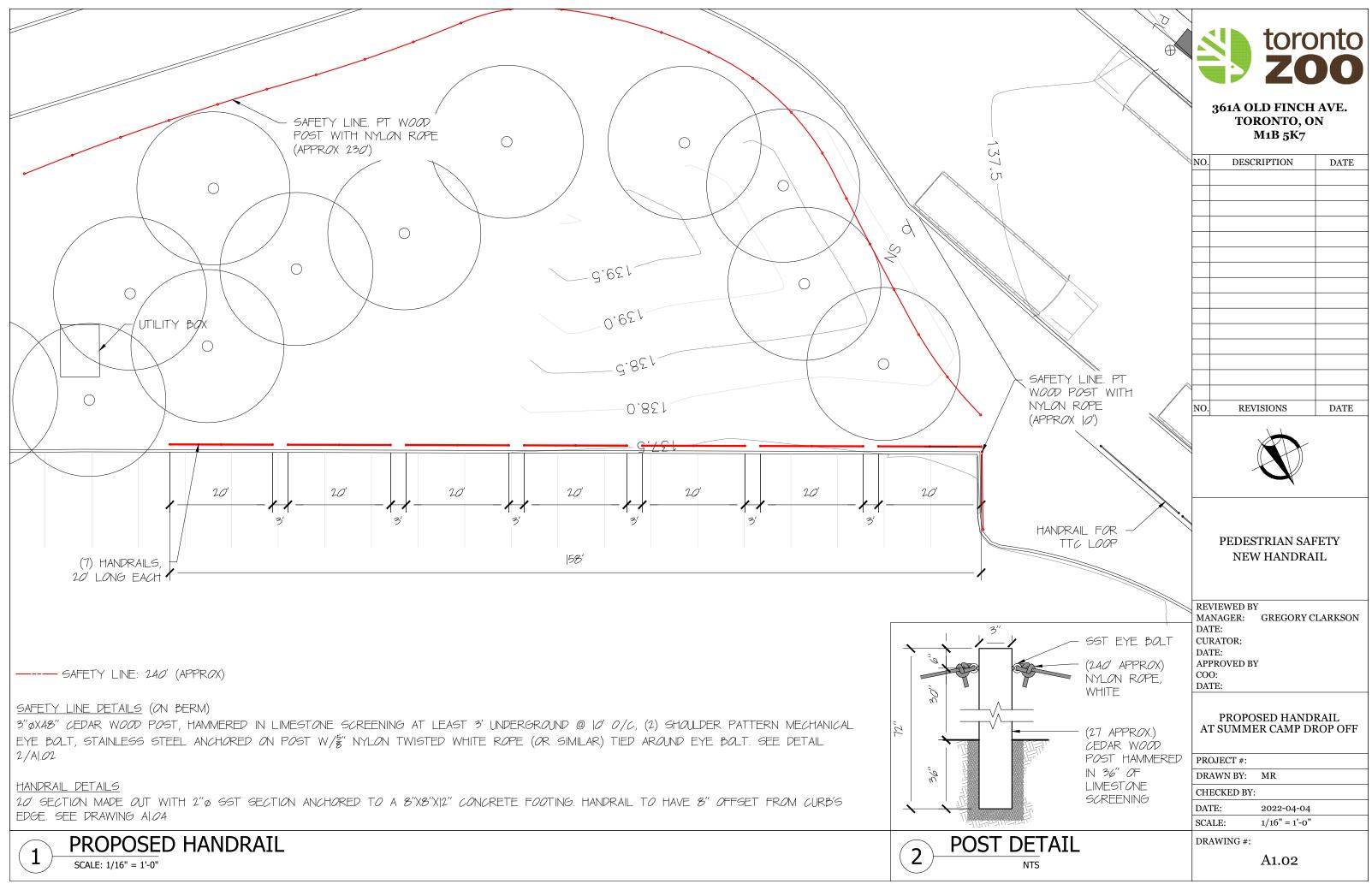
NO.	DESCRIPTION	DATE
NO.	REVISIONS	DATE

A0.00

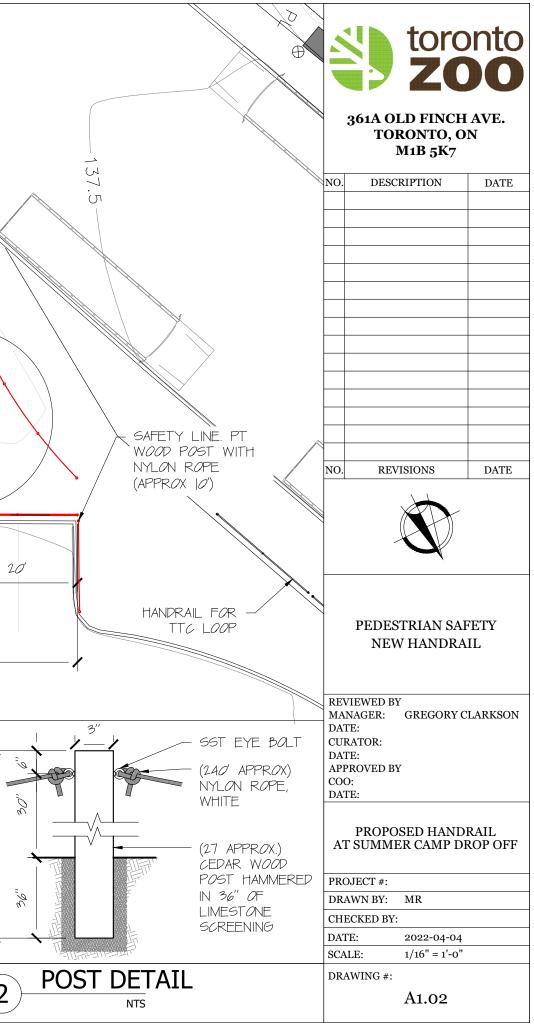


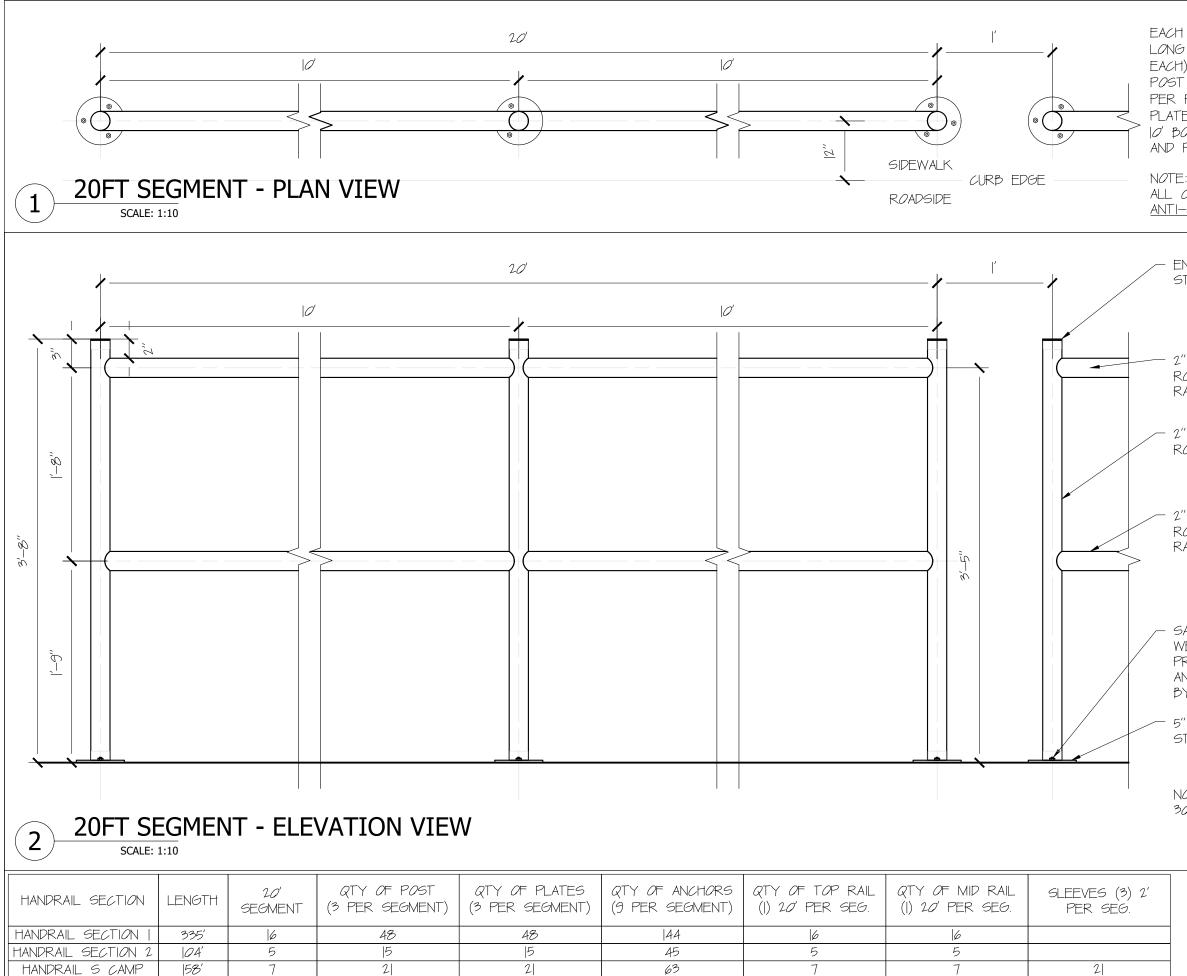
SCALE: 1/32" = 1'-0"

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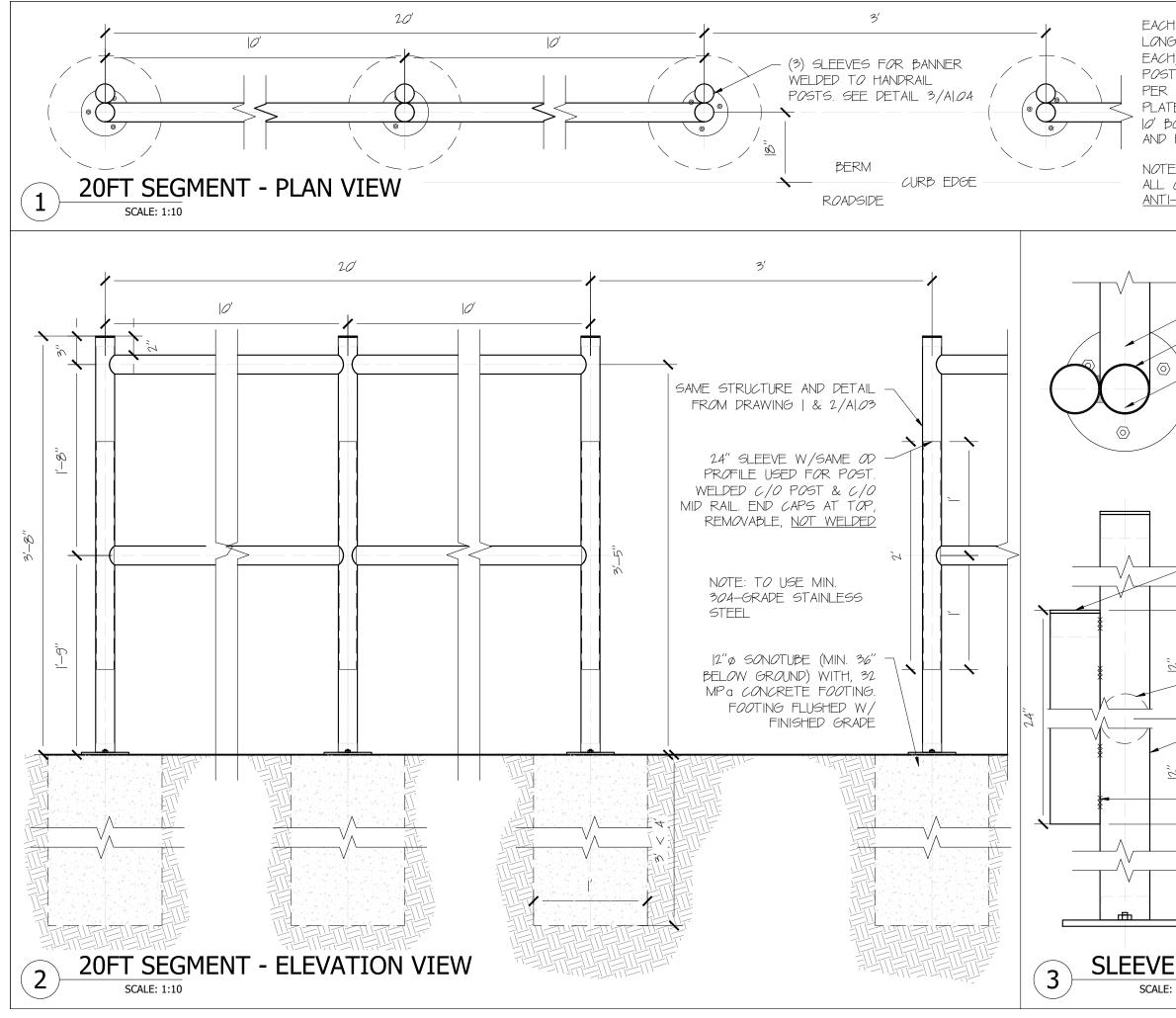




TOTAL

597'

H RAIL SEGMENT IS 20' G (SUBSECTIONS OF 10' H) WITH (3) 3'-8" TALL ST ANCHORED TO (1) PLATE S POST, (3) ANCHORS PER TE, (2) 10' TOP RAIL AND (2) BOTTOM RAIL. POST, RAILS PLATES TO BE WELDED.	toronto ZOO 361A OLD FINCH AVE. TORONTO, ON M1B 5K7		
E: ALL MATERIAL USED IN COMPONENTS MUST BE I-CORROSIVE.	NO. DESCRIPTION DATE		
END CAP, FLUSH, SATIN STAINLESS STEEL			
2″ø SATIN STAINLESS STEEL R <i>O</i> UNDED PRØFILE AS TØP RAIL			
2″ø SATIN STAINLESS STEEL R <i>O</i> UNDED PRØFILE AS PØST	NO. REVISIONS DATE		
2″ø SATIN STAINLESS STEEL R <i>O</i> UNDED PR <i>O</i> FILE AS MID RAIL			
SATIN STAINLESS STEEL WEDGE ANCHORS TO BE PROPOSED BY CONTRACTOR. ANCHORS TO BE APPROVED	PEDESTRIAN SAFETY BUS LAYDOWN NEW HANDRAIL		
BY CLIENT 5″ø X ¼″ SATIN STAINLESS STEEL ANCHOR PLATE NOTE: TO USE MIN.	REVIEWED BY MANAGER: GREGORY CLARKSON DATE: CURATOR: DATE: APPROVED BY COO: DATE:		
304–GRADE STAINLESS STEEL	HANDRAIL DETAIL & QUANTIFICATION		
	PROJECT #: DRAWN BY: MR		
	CHECKED BY:		
	DATE: 2022-04-04		
	SCALE: 1:10		
	DRAWING #: A1.03		
	_		



6 (SUPSECTIONS OF D' H) WITH (3) S-S' TALL T ANCHARS PER TE, (2) D' TOP RAL AND (2) DOTTOM RAIL POST, RALLS PLATES TO PE WELDED 514 OLD FINCH AVE. TORONTO, ON MIB 5K7 FLATES TO PE WELDED 0 DESCRIPTION DATE COMPONENTS MUST PE LCORROSIVE 0 DESCRIPTION DATE MIDRAIL POST 0 DESCRIPTION DATE WIDRAIL POST 0 NO REVISIONS DATE WIDRAIL POST 0 SEEVE NO REVISIONS DATE MIDRAIL POST 0 SEEVE MIDRAIL PEDESTRIAN SAFETY BUS LAYDOWN NEW HANDRAIL MIDRAIL POST 0 SET GLEEVES MIR PEDESTRIAN SAFETY BUS LAYDOWN NEW HANDRAIL MIDRAIL POST 0 SET GLEEVES NO NO REVIEWED BY MANAGER: GREGORY CLARKSON DATE: MIDRAIL POST 0 SET GLEEVES NO DA		
HANDRAIL POST 2'X24" SST SLEEVE WELDED AT POST, CENTERED WITH POST AND CENTERED WITH MURAIL END CAP AT THE TOP, IO MAKE IT REMOVABLE NO. REVISIONS DATE PEDESTRIAN SAFETY BUS LAYDOWN NEW HANDRAIL NO. REVIEWED BY MIDRAIL POST HANDRAIL POST HANDRAIL POST KEVIEWED BY MIDRAIL POST REVIEWED BY MANGRE: GREGORY CLARKSON DATE: OCO: DATE: POST (20 SEGMENT) AF HANDRAIL: 7 HANDRAILS -> 21 SLEEVES, 21 END APS EDETAIL	H RAIL SEGMENT IS 20' G (SUBSECTIONS OF 10' H) WITH (3) 3'-8" TALL T ANCHORED TO (1) PLATE POST, (3) ANCHORS PER TE, (2) 10' TOP RAIL AND (2) BOTTOM RAIL. POST, RAILS PLATES TO BE WELDED. E: ALL MATERIAL USED IN COMPONENTS MUST BE I-CORROSIVE.	361A OLD FINCH AVE. TORONTO, ON M1B 5K7
TOP, TO MAKE IT REMOVABLE NO END CAP AT BOTTOM OF SLEEVE MIDRAIL POST HANDRAIL POST REVIEWED BY MANAGER: GREGORY CLARKSON DATE: CURATOR: DATE: CURATOR: DATE: (3) SST SLEEVES WELDED AT EACH POST (20' SEGMENT) OF HANDRAIL: 7 HANDRAILS -> 2 SLEEVES, 2 END CAPS HANDRAILS I PROJECT #: DATE: 2022-04-04 SCALE: 1:10	HANDRAIL POST 2"X24" SST SLEEVE WELDED AT POST, CENTERED WITH POST AND CENTERED WITH MIDRAIL. END CAP AT THE TOP, <u>TO</u>	Image: Second
(3) SST SLEEVES WELDED AT EACH POST (20' SEGMENT) OF HANDRAIL: 7 HANDRAILS -> 2 SLEEVES, 2 END CAPS EDETAIL DATE:	TOP, <u>TO MAKE IT</u> <u>REMOVABLE</u> . NO END CAP AT BOTTOM OF SLEEVE MIDRAIL POST HANDRAIL POST	BUS LAYDOWN NEW HANDRAIL
	(3) SST SLEEVES WELDED AT EACH POST (20' SEGMENT) OF HANDRAIL: 7 HANDRAILS -> 2 SLEEVES, 2 END CAPS	COO: DATE: HANDRAIL DETAIL AT SUMMER CAMP DROP-OFF PROJECT #: DRAWN BY: MR CHECKED BY: DATE: 2022-04-04 SCALE: 1:10
	E DETAIL	DRAWING #: A1.04

