



CHALL.ENG.CORPORATION | CONSULTING ENGINEERS | PHONE: 519-979-7333 | WEB: www.cec14.com | FAX: 519-979-7331 | email: cec@cec14.com

Proj. No. 17169
January 9, 2020

VIA EMAIL

The Corporation of the Town of Tecumseh
917 Lesperance Road
Tecumseh, Ontario
N8N 1W9

Attention: Mr. Paul Anthony

Pier Deck Replacement – Tender Review Report

Lakewood Park
Tecumseh, Ontario

Dear Sir:

Further to your request, we prepared Tender and Contract Documents for removing the existing wood decking and installing a new cast-in-place concrete deck for the Lakewood Park pier. The concrete deck option was selected over the wood decking and composite decking options, since it will have the longest life; the least maintenance works/costs; and a lower cost option as compared to the composite decking. The wood decking is not recommended because of its significantly short life and high maintenance works, despite being the lowest cost alternative. The options are further described in our November 15, 2019 report and September 24, 2019 email to Mr. Hammond of your office.

We submitted and requested tender prices from Facca Construction, Bravo Cement and Ingratta Cement, who are experienced contractors with this type of work and do quality work. No contractor attended the non-mandatory pre-tender site meeting on October 25, 2019, but each contractor was subsequently contacted to inquire about submitting a quote. Both Facca and Bravo replied that they would submit. Only Facca submitted a proper tender (copy attached) in the amount of \$120,000.00, which includes a contingency of \$10,000, but HST is extra. Bravo advised us that their tender would only include the concrete works and would not include the electrical and railing removals. Ingratta did not submit due to being too busy.

Based on our review their tender and subject to available funding, we recommend that Facca Inc. be contracted by the Town to construct the new concrete deck for this pier. Our discussions with company representatives confirmed that they will hold their price until April 2020 if necessary, but can commence the works any time. Although only Tender was received, we do not recommend retendering as it is likely the prices will be significantly higher, given the current busy construction market. The Tender price of \$120,000 is significantly lower than our estimated cost of \$180,000.

If Facca is approved to proceed, we will obtain copies of their insurances, WSIB, and MOL permit,

Since there are no inwater works, permits from government agencies should be a formality, but should be applied for as soon as possible.

For budgeting purposes, we estimate our fee at \$5,000.00 plus HST for the construction review and contract administration, which would include 4 site visits, payment review, shop drawing review, ERCA permit submission, discussions and emails with you and the contractor to address actual site conditions and possible changes in the works, conformance letter, and expenses. We will not exceed this fee unless approved by you.

We trust that this is the information you require. Please call if we can be of any additional assistance to you in this matter.

Yours truly,
Chall.Eng. Corporation
Consulting Engineers



H. Richard Patterson, FEC, MASc, P. Eng., P.E.,
President

Encl:
Tender Documents
Facca quote



LAKWOOD PARK NORTH – PIER DECK REPLACEMENT

PART B - FORM OF TENDER

Submitted by Tenderer : Facca Incorporated

Contact Person: Marco Gardonio, Chief Estimator

Contact's Phone No.: 519-975-0377 email: marco@facca.com

To (Owner): Chall. Eng. Corporation (on behalf of the owner - Town of Tecumseh)

For Project: Pier Deck Replacement

Dated: October 24, 2019

General Statement: In accordance with the Contract Documents, including Specifications and Drawings. This is an invited Tender.

Documents Prepared by: Chall.Eng. Corporation, Consulting Engineers

No. of Addenda Received: None

We hereby offer to furnish all equipment, labour and material necessary for the proper completion of the above named project, including all prime costs, incidentals, allowances and Government Sales or other Taxes, as called for in the Specifications, in accordance with the above-mentioned documents for the sums of with the following breakdowns:

TENDER PRICE FOR WORKS

See Sections 10 and 11 of part A of these Contract Documents for further details.

Total price for Work Items 1-1 to 1-10 inclusive	\$ <u>110,000.00</u>
Contingency Allowance	\$ <u>10,000.00</u>
TOTAL PRICE	\$ <u>120,000.00</u>
HST (13%)	\$ <u>15,600.00</u>
TOTAL TENDER PRICE	\$ <u>135,600.00</u>

(Dollars)

(Cents)

(Total Tender Price in Written Form) (In lawful money of Canada)

The Owner reserves the right to select one or none of the two Tender Price Options, which are independent price requests. The Contractor should consider this in preparing their Tender. In submitting this Tender, the Tenderer recognizes the right of the Owner to accept or reject any or all Tenders.

If this Tender is accepted and the Contract is awarded to us, we, the undersigned, hereby undertake to perform this Contract satisfactorily and guarantee the full performance of the Contract.

We further agree to leave this Tender open for acceptance, until April 30, 2020.

LEGAL NAME OF COMPANY:

Facca Incorporated

ADDRESS:

2097 County Road 31 Ruscom, ON

POSTAL CODE:

N0R 1R0

TELEPHONE:

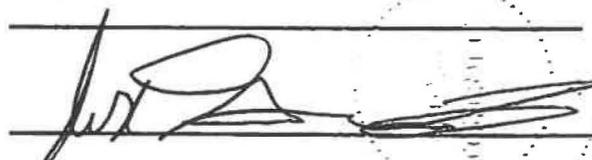
519-975-0377

FAX NUMBER:

519-975-0427

EMAIL NUMBER:

SIGNATURE OF AUTHOURIZED OFFICER(S):



NAME AND POSITION OF SIGNING OFFICER(S):

Don Gardonio, President

In the case of a limited Company, the Company seal shall be affixed to their Tender where the signature of the Signing Officer(s) of the Company appears, as well as the legal and registered name of the company.

TENDER AND CONTRACT DOCUMENTS

FOR

PIER DECK REPLACEMENT

AT THE

Lakewood Park North

**13400 Riverside Drive
Tecumseh, Ontario**

**Chall.Eng. Corporation
Consulting Engineers
13300 Tecumseh Road East – Suite 342
Tecumseh, Ontario, Canada N8N 4R8
519-979-7333 and fax 519-979-7331
rpatterson@cec14.com**

Proj. No 17169

October 22, 2019

LAKWOOD PARK NORTH PIER DECK REPLACEMENT TENDER AND CONTRACT DOCUMENTS

PART A – SPECIFICATIONS

1. **OWNER:** Town of Tecumseh
2. **ENGINEER:** Chall. Eng. Corporation, Consulting Engineers
3. **EXAMINATION OF SITE, DRAWINGS AND SPECIFICATIONS**

The site of the proposed works is on Lake St Clair, at Lakewood Park North at 13400 Riverside Drive E, Tecumseh, Ontario.

The Contract Documents for this project shall consist of:

- Part A – Specifications (6 pages);
- Part B – Form of Tender (3 pages);
- Part C – Drawings (2 sheets)

In the event of any inconsistency or conflict in the provisions of these Contract Documents, the Specifications (Part A) then the Drawings (Part C) shall take precedence, with the remaining Part B – Form of Tender then governing.

Before submitting your Tender, each bidder shall be held to have examined the premises and satisfied themselves as to the existing conditions under which they will be obliged to operate in performing their own part of the work. No extras will be allowed for the failure to make the examination. A non-mandatory pre-bid site meeting is scheduled for Friday, October 25, 2019 at 10:00 am local time. Meet at the Pier.

It will be the Tenderer's responsibility to clarify any details in question and not mentioned in this Tender or shown on the accompanying drawings before submitting their Tender. The prices as tendered shall include the supply of all labour, materials and equipment to complete the works in this Tender to the satisfaction of the Owner. No allowance will be made for the Tenderer not being familiar with this Tender.

Any and all inquiries or questions concerning this project should be directed to Mr. Dave Ceman of Chall. Eng. Corporation by email, dceman@cec14.com. All questions will be answered by e-mail and circulated to all Tenderers with phone calls not being accepted.

4. **QUALITY OF WORK AND MATERIALS**

The Contractor shall furnish all labour, equipment and materials necessary to complete all work as specified herein. All labour shall be performed by competent

workers and to reasonable standards of workmanship. A competent Foreman, Supervisor or Company representative shall be on site at all times during the course of the work.

All materials furnished under this Contract shall be new and undamaged and must satisfy all Codes of Regulations. Substitute materials and reuse of existing materials shall only be used if approved by the Owner in writing.

5. CLOSING DATE OF TENDERS

Tenders shall be submitted by e-mail marked "Tender for "Lakewood Park North for the Pier Deck Replacement" and shall be accepted up until 4:00 P.M., local time, on the Friday, November 1, 2019, to the Attention of Mr. Rick Patterson at rpatterson@cec14.com.

Tenders sent by fax will not be accepted. Late Tenders will not be opened and will be returned to the Tenderer.

6. ADDENDA

Addenda to the Tender shall be delivered, sent by registered mail, or sent by facsimile machine, or email (preferred). The Addenda shall be inserted in the Tender Documents immediately preceding the Form of Tender. Addenda items shall govern and supersede any item in these Specifications and the Drawings.

If the Addenda are issued, the Tenderer shall indicate the number of addenda that the Tenderer received in the appropriate blank space on the Form of Tender. If no Addenda are received, the Tenderer shall indicate 'zero'.

7. QUANTITIES

The Contract is a Lump Sum Contract. Quantities have been provided for the Contractor's information and are to be used as a basis to prepare their Tender.

8. ACCURACY OF DRAWINGS AS TO LOCATIONS OF STRUCTURES AND UTILITIES

The Owner does not assume any responsibility for the correctness, accuracy or completeness of the Drawings, with respect to the location of existing structures, utilities, services, pipes, catch basins, manholes, chambers or other objects (man-made or natural) whether underground, on the surface or above ground and should the Drawings be found to be incorrect or incomplete, the Contractor shall not have any claim on this account prior to commencing with the work, the Contractor shall locate the exact position of all existing structures, utilities, services, pipes, catch basins, manholes, chambers or other objects (man-made or nature) whether undergrounds, on the surface or above ground, by the previous examination of the site. The location

of such structures, utilities, etc., as shown on the Drawings, is intended for the convenience of the Contractor and is solely for their information. Prior to commencing with the work, the Contractor shall confirm the information as shown on the Drawings as noted in the Scope of Work, and notify the Engineer immediately of any discrepancies or errors.

9. INCIDENTALS

The cost of any work not specifically noted in the Scope of Work, such as materials specific to a work item and the cost of all incidentals, such as insurances, overhead, profit coordination, etc. that are noted in these Specifications and on the drawings, shall be included in the Total Tender Price. There will be no additional payment for incidentals. Note that the Owner has obtained Shoreline Permits and Approvals.

10. ACCEPTANCE OF TENDERS

The Owner reserves the right to accept or reject any or all tenders or to waive or not to waive any informalities as it may deem advantageous.

A Tender is considered as accepted by the Owner when the CCDC 2 is executed by the Owner and the Tenderer, and all submittals have been received and approved by the Owner.

11. COMMENCEMENT AND COMPLETION

The Contractor shall commence the work within 3 weeks of the date of the letter authorizing the Contractor to commence with this project, in water works can be carried out from March 15 to July 15. However, prior to commencing the works, the Contractor shall submit and obtain approval from the Owner for the following documents:

- Notice of Project – Ministry of Labour;
- Insurances, which names the Chall. Eng. Corporation and the Town of Tecumseh as additional insureds;
- WSIB Certificate of Clearance;
- Manufacturer's Technical Information as noted on the Drawings or in the Specifications.

The Contractor shall complete the works within 6 weeks of the date of the letter authorizing the Contractor to commence with this project.

12. SCOPE OF WORK

The Scope of Works as specified below and as noted on the Drawings (P-3 and P-4) shall form the basis of this Tender.

- 1-1 Mobilization and demobilization, including transport of equipment and materials and all necessary safety equipment, including life jackets. Final cleanup and disposal of all excess or waste materials to a suitable location off site. No on site disposal (burying) or burning. Contractor must provide protection to minimize materials from falling into the lake. Any materials or equipment that fall into the lake, must be removed immediately. Any spills must be reported to the MOE.
- 1-2 All existing services within the works areas are to be located by private firm (i.e. G-Tel) and shutoff prior to the start of the works, which includes both above ground and buried. Confirm utilities with the Owner prior to commencing the works.
- 1-3 Remove carefully, store safely on site, clean and reinstall all railing/guards.
- 1-4 Remove and reinstall electrical wiring in the way of the works.
- 1-5 Remove carefully 5 light poles, store safely on site, and construct steel platform/base on the pier with the wood removed, and re-install 5 light poles after concrete has been placed.
- 1-6 Remove and dispose of wood planks to a location to be specified by the Town of Tecumseh. Assume location is within 2 miles of this site.
- 1-7 Remove and dispose of wood stringers and joists used to support the wood decking to a suitable off site location.
- 1-8 After the wood has been removed, check condition of all steel members. Advise Engineer of any structural issues and corrosion immediately.
- 1-9 Supply and install (weld) steel decking pan (gauge 24) and forms (steel angles) to existing steel framing for a new 75 millimeter thick, poured concrete decking, approximately, 140 square metres in area. All welds to meet current standards with proper preparation of steel materials.
- 1-10 Supply and install steel reinforcing and concrete, 125 millimeters thick, and approximately 11 cubic metres. Concrete is to be 32 MPa, with 5 – 7% air entrainment. Do not pour if temperature will go below 5 degrees C (40 degrees F) or above 26 degrees C (78 degrees F) for 48 hours after pouring. Advise Engineer of concrete pour date with minimum 72 hours notice.

13. CONTINGENCY ALLOWANCE

The Contingency Allowance as noted in the Form of Tender is a fixed cost that is to be included in the Tender Price. This allowance is to be used for any additional works that may occur during the course of this project as a

result of unforeseen site conditions, changes in the work, and/or changes in materials. The Contractor will be requested to submit a price for any changes in the work. The works are not to proceed and no payment will be made to the Contractor unless the Owner has approved the additional works in writing by change order.

LAKWOOD PARK NORTH – PIER DECK REPLACEMENT

PART B - FORM OF TENDER

Submitted by Tenderer : _____
Contact Person: _____
Contact's Phone No.: _____ email: _____
To (Owner): Chall. Eng. Corporation (on behalf of the owner - Town of Tecumseh)
For Project: Pier Deck Replacement
Dated: October 22, 2019
General Statement: In accordance with the Contract Documents, including Specifications and Drawings. This is an invited Tender.
Documents Prepared by: Chall.Eng. Corporation, Consulting Engineers
No. of Addenda Received: _____

We hereby offer to furnish all equipment, labour and material necessary for the proper completion of the above named project, including all prime costs, incidentals, allowances and Government Sales or other Taxes, as called for in the Specifications, in accordance with the above-mentioned documents for the sums of with the following breakdowns:

TENDER PRICE FOR WORKS

See Sections 10 and 11 of part A of these Contract Documents for further details.

Total price for Work Items 1-1 to 1-10 inclusive	\$ _____
Contingency Allowance	\$ <u>10,000.00</u>
TOTAL PRICE	\$ _____
HST (13%)	\$ _____
TOTAL TENDER PRICE	\$ _____

_____ (Dollars)
_____ (Cents)

(Total Tender Price in Written Form) (In lawful money of Canada)

The Owner reserves the right to select one or none of the two Tender Price Options, which are independent price requests. The Contractor should consider this in preparing their Tender. In submitting this Tender, the Tenderer recognizes the right of the Owner to accept or reject any or all Tenders.

If this Tender is accepted and the Contract is awarded to us, we, the undersigned, hereby undertake to perform this Contract satisfactorily and guarantee the full performance of the Contract.

We further agree to leave this Tender open for acceptance, until April 30, 2020.

LEGAL NAME OF COMPANY: _____

ADDRESS: _____

POSTAL CODE: _____

TELEPHONE: _____

FAX NUMBER: _____

EMAIL NUMBER: _____

SIGNATURE OF AUTHOURIZED OFFICER(S): _____

NAME AND POSITION OF SIGNING OFFICER(S): _____

In the case of a limited Company, the Company seal shall be affixed to their Tender where the signature of the Signing Officer(s) of the Company appears, as well as the legal and registered name of the company.

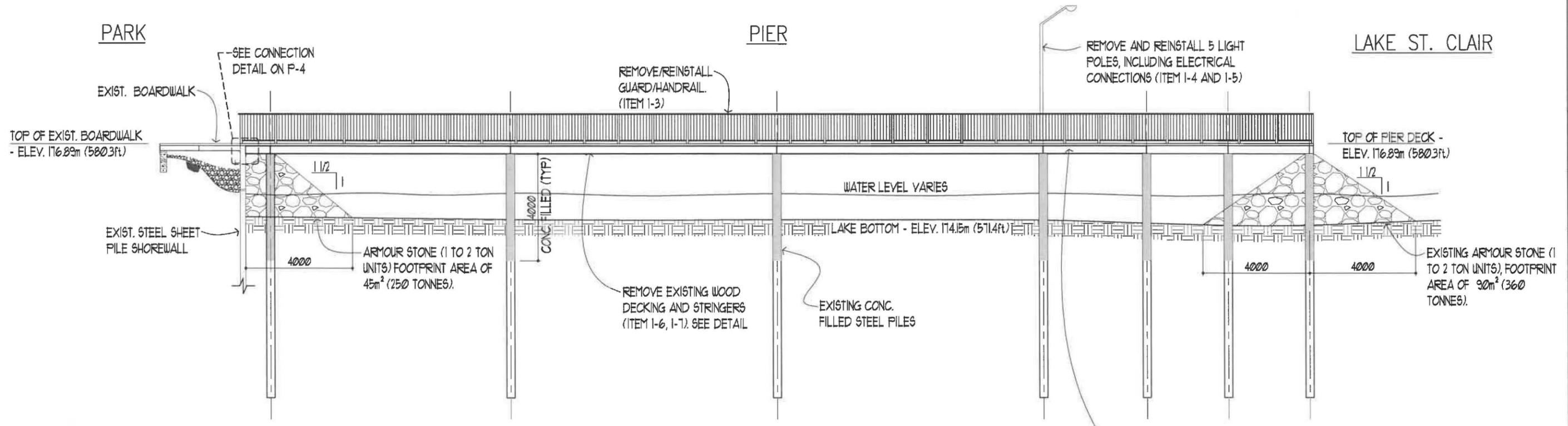
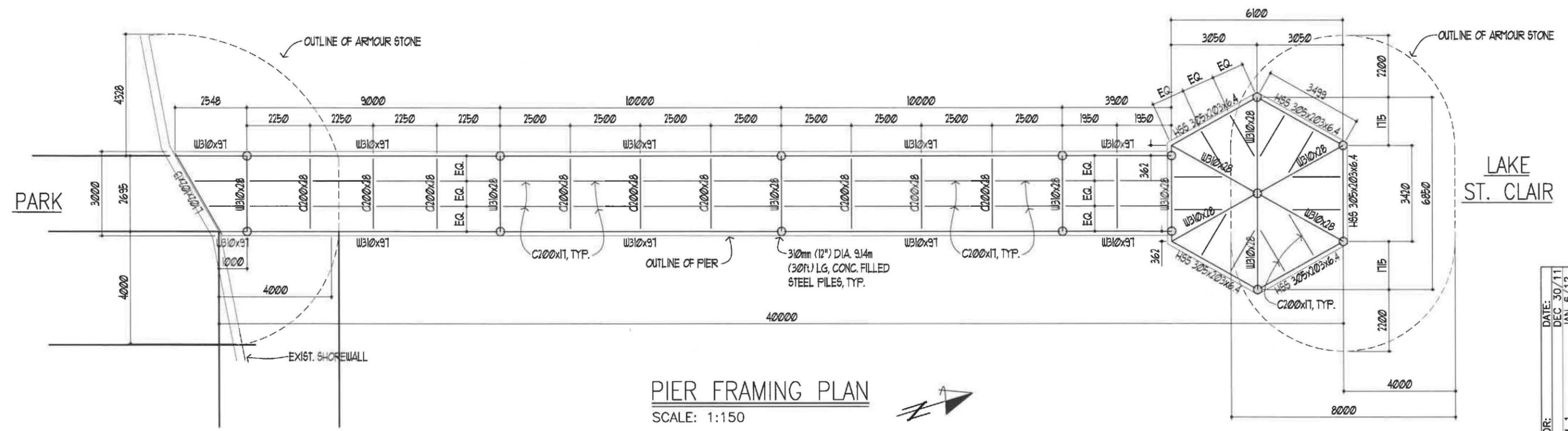


FIGURE 1: PIER ELEVATION
SCALE: 1:150



PIER FRAMING PLAN
SCALE: 1:150

CHALL. ENG. CORPORATION
CONSULTING ENGINEERS
12222 TECUMSEH ROAD EAST
TECUMSEH, ONTARIO, N9N 1J9
PHONE: 918-978-7337
FAX: 918-978-7337
WWW.CEC14.COM

Chall.Eng.
CONSULTING ENGINEERS

DWG. NO. P-3
REV. NO. 4

ELEVATION AND FRAMING PLAN

ISSUED FOR:	DATE:	PROJECT:
TENDER	DEC 30/11	TECUMSEH WATERFRONT PARK
ADDENDUM 1	JAN 6/12	TECUMSEH ONTARIO
ADDENDUM 2	JAN 10/12	PROJ. NO. 17169
ERCA APPROVAL	JAN 16/12	SCALE: AS SHOWN
REVISION-STEEL BRACING	FEB 13/12	
OWNER REVIEW	OCT 22/19	

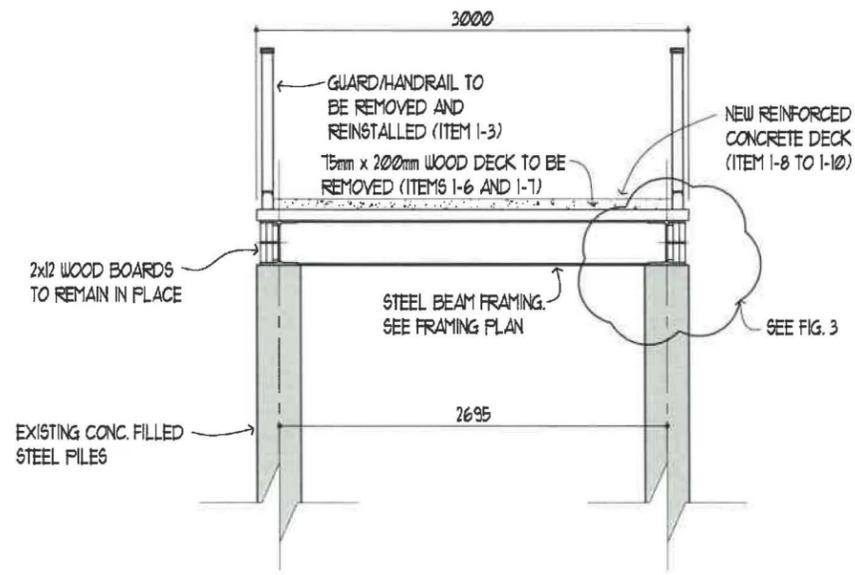


FIGURE 2: TYPICAL PIER DETAIL
SCALE: 1:50

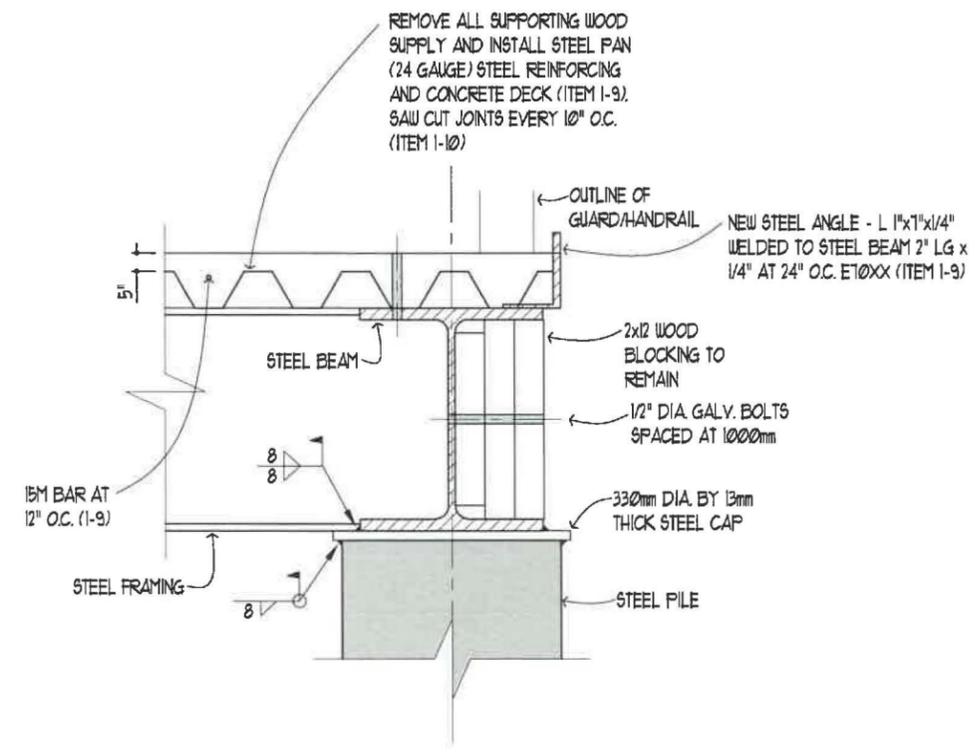


FIGURE 3: STEEL PILE AND WOOD FRAMING
SCALE: 1:10

ISSUED FOR:	DATE:
TENDER	DEC 30/11
ADDENDUM 1	JAN 6/12
OWNER REVIEW	OCT 22/19

PROJECT: TECUMSEH WATERFRONT PARK
TECUMSEH ONTARIO

DATE:	PROJ. NO.:	SCALE:
NOVEMBER 29, 2011	17169	AS SHOWN

DWG. NO. P-4
REV. NO. 1



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DETAILS