



THE CORPORATION OF THE TOWNSHIP OF MCKELLAR

Invites

REQUESTS FOR PROPOSALS

RFP – PW-2023-08

for replacement/installation of a **New Foundation for St. Stephen's
Church located at 11 Dickinson Road, McKellar, Ontario**

Sealed Tenders, clearly marked
Tender – PW-2023-08
will be received by the undersigned
until 2:00 p.m.
on Thursday, April 20th, 2023

Lowest or any Proposal not necessarily accepted.

Chris Bordeleau, Chief Building Official
Township of McKellar
P.O. Box 69, 701 Hwy 124
McKellar, ON P0G 1C0
cbo@mckellar.ca
(705) 389-2842

Please Note: Prior to submitting a Proposal, further information may be obtained by contacting
CBO, Chris Bordeleau at (705) 389-2842



TOWNSHIP OF MCKELLAR
REQUEST FOR PROPOSAL (RFP)
NEW FOUNDATION FOR ST. STEPHEN'S
CHURCH LOCATED AT 11 DICKINSON ROAD, MCKELLAR, ONTARIO
RFP PW-2023-08

Submission Form

Contractor: _____

Address: _____

Telephone: _____ Email: _____

Contact Person: _____

Description of Work:

The contractor will be required to provide all machinery, materials, and manpower necessary to complete all work required to replace and install new foundation at St. Stephen's Church as well as any structural repairs as necessary.

Location: St. Stephen's Church, 11 Dickinson Road, McKellar, ON P0G 1C0

Subtotal \$ _____

H.S.T. \$ _____

TOTAL CONTRACT PRICE: \$ _____

An Itemized Quotation Must Be Attached or Included In the Proposal Package

The contractor is required to provide the Township with proof of insurance in the amount of \$2,000,000.00, and is responsible for all issues relating to WSIB, insurance etc. for their employees with relation to this contract.

By signing below, I acknowledge that I have read and understand this Request for Proposal **PW-2023-08** and I agree to abide by the terms and conditions contained here-in.

Authorized Signature: _____

Name: _____ (Please Print or Type)

Date: _____

Witness: _____

Date: _____

*Note that this submission form is not transferable and any alteration of the Company name entered hereon will be cause for considering the proposal irregular and subsequent rejection of the RFP.

TOWNSHIP CONTACTS AND ADMINISTRATION

Any questions or any additional information contact:

Chris Bordeleau, CBCO
Chief Building Official
Township of McKellar
701 HWY 124, P.O Box 69
McKellar, Ontario P0G 1C0
Phone: (705) 389-2842 Ext. 2
Fax: (705) 389-1244

REQUEST FOR PROPOSAL CLOSING

Date of Closing

RFP submissions can be made until Thursday, April 20th, 2023 at 2:00 PM. RFP submissions received after this date will not be given consideration and returned to the sender unopened. All proposals must be signed by an official agent or representative of the company submitting the proposal.

Package Submission Process

RFP packages shall be submitted by Thursday, April 20th, 2023 at 2:00 PM in a closed and sealed envelope clearly marked as to contents "St. Stephen's Church RFP PW-2023-08", to:

Ina Watkinson
Clerk Administrator
Township of McKellar
701 Highway 124
P.O Box 69
McKellar, Ontario
P0G 1C0

*Please note that the lowest or any proposal may not necessarily be accepted.



**TOWNSHIP OF MCKELLAR
REQUEST FOR PROPOSAL (RFP)
NEW FOUNDATION FOR ST' STEPHEN'S
CHURCH LOCATED AT 11 DICKINSON ROAD, MCKELLAR, ONTARIO
RFP PW-2023-08**

PROJECT SUMMARY

To provide all supplies, machinery, materials, contracting and construction services necessary for the replacement/installation of new foundation and any structural work as necessary and as shown on plans attached to this RFP as Schedule 'A'.

PROPERTY DESCRIPTION

St. Stephen's Church located at 11 Dickinson Road, McKellar, Ontario, CON 4, PT LOT 16, 42R-12602, PARTS 2 TO 4.

PROPOSAL GUIDELINES

This Request for Proposal represents the requirements for an open and competitive process. Proposals will be accepted until April 20th, 2023 at 2:00 PM local time. Any proposals received after this date and time will be returned to the sender unopened. All proposals must be signed by an official agent or representative of the company submitting the proposal.

If the organization submitting a proposal must outsource or contract any work to meet the requirements contained herein, this must be clearly stated in the proposal. Additionally, all costs included in proposals must be all-inclusive to include any outsourced or contracted work. Any proposals which call for outsourcing or contracting work must include a name and description of the organizations being contracted.

All costs must be itemized to include an explanation of all fees and costs.

All prices quoted shall be in Canadian funds and shall include all duty, custom clearances, fuel tax, shipping costs, and HST shall be extra where applicable.

Proponents agree to prepare and submit bids at their own cost. The Township of McKellar is not obligated in any way to pay costs of any kind or nature whatsoever that may be incurred by a Proponent or any third parties in the bid process relating to the RFP. All such costs shall be the Proponent's sole responsibility.

Contract terms and conditions will be negotiated upon selection of the winning bidder for this RFP. Proponents are to supply the names of three clients with whom they have performed or are performing similar projects for.

All proposals received must remain valid for acceptance up to 60 days beyond the closing date. Should there be any discrepancies or omissions in the proposal document, or any doubt as to its meaning, inquiries should be made in writing to:

Chris Bordeleau, CBCO
Chief Building Official
Township of McKellar
701 HWY 124, P.O Box 69
McKellar, ON P0G 1C0

Phone: (705) 389-2842 Ext. 2 Fax: (705) 389-1244 Email: cbo@mckellar.ca

If a correction, explanation, or interpretation is deemed necessary or desirable, a written addendum will be issued to all proponents. Proponents should notify Chris Bordeleau in writing that they have taken this RFP in order to receive any addendums issued. A Site meeting, if required, can be arranged with the Chief Building Official.

PROJECT DELIVERABLES

1. To provide all supplies, machinery, materials, contracting and construction services necessary for the replacement/installation of new footings and foundation for St. Stephen's Church, and for the removal and disposal of all construction debris. Any additional repairs to the flooring system that may be required are included in the scope of work.
2. Significant attention shall be given to the efforts required to complete this project without a significant impact on existing/surrounding landscape. Expectation that the ground be returned as close as possible to their existing state.
3. All necessary permits have been issued for the construction work and plans for the work have been attached to this RFP as Schedule 'A'.

All construction must be in compliance with the latest version of the Ontario Building Code. All inspections must be called for. Contractor will be provided with a list of required inspection expected to be completed.

PROJECT SCHEDULE

The project must be completed by December 1, 2023.

COMPLETION DEFINITION

This project will be deemed to be complete upon final inspection of the completed project by the CBO, with all deficiencies resolved to the satisfaction of the Township of McKellar and permit closed prior to the release of final project payment.

TIME LIMITATIONS

The start and end dates of the project need to be clearly specified as a commitment by the applicant.

PERMITS AND APPROVALS

The contractor will be responsible for all applicable permits (including costs), and arranging for inspections. The successful contractor shall provide detailed drawings of proposed work.

CONTRACT

The successful contractor will be required to enter into an agreement with the Township of McKellar. Prior to the commencement of the project, contractors must provide the Township with proof of valid, current WSIB coverage, and liability insurance, both of which must remain valid for the duration of the contract.

SUBMISSION CHECKLIST

- ☐ Proposed project plan
- ☐ WSIB Certificate
- ☐ Proof of liability insurance
- ☐ Commencement and completion dates
- ☐ Proposal signed (sealed) by company rep.
- ☐ Project cost clearly specified and itemized

REFERENCES

Client 1

Name: _____ Phone: _____

Scope of Work: _____

Contract \$ Amount: _____ Term: _____

Client 2

Name: _____ Phone: _____

Scope of Work: _____

Contract \$ Amount: _____ Term: _____

Client 3

Name: _____ Phone: _____

Scope of Work: _____

Contract \$ Amount: _____ Term: _____

GENERAL CONDITIONS

Interpretation

In the contract "Work" means the whole of the work, services and materials required to be done, furnished and or performed by the Contractor in order to carry out the Contract.

Status of the Contractor

The Contractor is engaged as an independent contractor for the sole purpose of performing the Work. Neither the Contractor nor any of its personnel is engaged as an employee, servant or agent of the Township of McKellar.

Compliance with Applicable Laws

The Contractor shall comply with all laws applicable to the performance of the Work.

Subcontracting

Unless otherwise provided in the Contract and RFP, the Contractor shall obtain the consent of the Township of McKellar or designate in writing prior to subcontracting or permitting the subcontracting of any portion of the Work at any tier.

Time of the Essence

Time is of the essence of the Contract.

Inspection of the Work

The Work and any and all parts thereof shall be subject to inspection and acceptance by the Township of McKellar staff.

Infringement

The Contractor warrants that no Work furnished in accordance with this contract shall infringe upon any patent, registered industrial design, trademark, trade secret, copyrighted work or other intellectual property right. The Contractor at its sole cost and expense shall defend and hold harmless the Township of McKellar, its agents, employees and customers against any and all suits, actions and claims arising out of any and every charge of infringement.

Indemnification

The Contractor shall indemnify and save harmless the Township of McKellar from any and all claims, demands, causes of action, loss, costs or damages that the Township

may suffer, incur or be liable for resulting from the performance or non-performance of the Contractor of his/her obligations under any resulting contract.

Payment

Payment by the Township of McKellar for the Work shall be made following delivery, inspection and acceptance of the Work, and following presentation of an invoice (minus a 10% holdback per invoice) which correctly corresponds with the work provided. Unless otherwise stated, the period for payments will be within thirty (30) days, calculated from the date the invoice is received, or delivery and acceptance of the work, whichever date is later. Payment of all holdbacks will be made after successful completion and inspection by the Township of McKellar of all Work required to complete the project. All payments will be in full compliance with the provisions of The Construction Lien Act.

Conflict of Interest

All firms are required to disclose to the Township of McKellar prior to accepting the assignment any potential conflict of interest. If a conflict of interest does exist, the Township of McKellar may, at its discretion, withhold the assignment from the Contractor until the matter is resolved to the satisfaction of the Township. If, during the contract, a contractor is retained by another client giving rise to a potential conflict of interest, then the Contractor shall so inform the Township and if a significant conflict of interest is deemed to exist by the Township, then the Contractor shall:

1. Refuse the new assignment, OR
2. Take such steps as are necessary to remove the conflict of interest.

Fraud or Bribery

Should the Contractor, any of his/her agents give or offer any gratuity to, or attempt to bribe any member of the awarding body, officer or servant of the Township of McKellar, or to commit fraud against the Township of McKellar, the Township shall be at liberty to declare the RFP void forthwith.

SCHEDULE 'A'

ONIX CONTRACTORS
PROPOSED FOUNDATION
ST. STEPHEN'S CHURCH

McKELLAR, ONTARIO

All of the requirements of Div. C. Article 1.3.3.4 must be met and an inspection must be called for and completed prior to occupancy.
These plans stamped reviewed are to be kept on the construction site at all times until the permit work has been completed.

The C.B.O. shall be notified of any changes to these reviewed plans prior to construction of the changes.

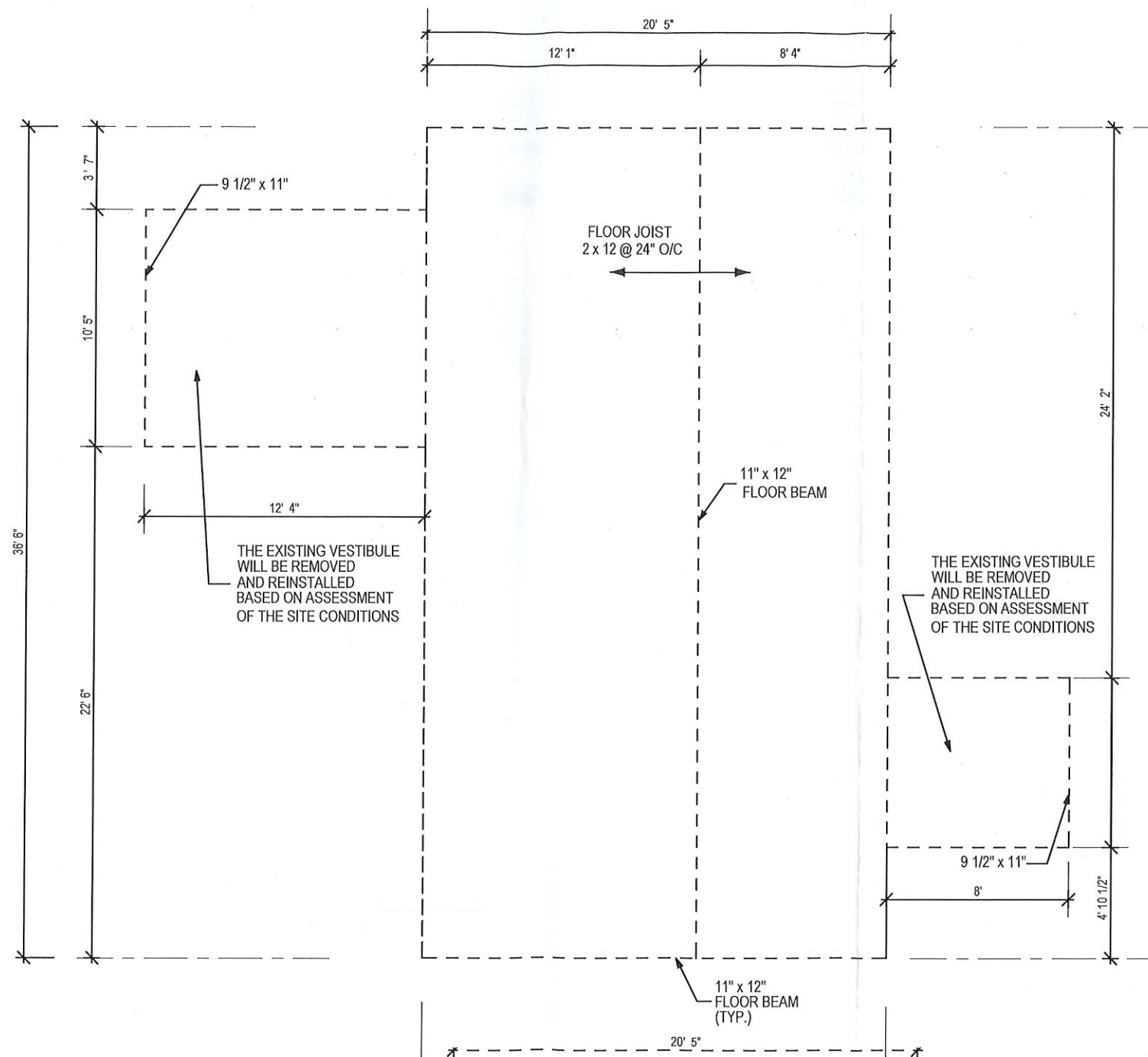
All stages of construction shall comply with the latest edition of the Ontario Building Code.

LIST OF DRAWINGS

DWG. No.	DESCRIPTION
19-1496-S2	NOTES
19-1496-S3	EXISTING FLOOR PLAN
19-1496-S4	TEMPORARY BEAM PLAN
19-1496-S5	FOUNDATION PLAN

PLANS REVIEWED
Dated AUG 29/19
C.B.O. CB
Township of McKellar





EXISTING FLOOR PLAN

1 : 75

PLANS REVIEWED
Dated AUG 29/19
C.B.O. CB
Township of McKellar



PROJECT TITLE

**ONIX CONTRACTORS
PROPOSED
FOUNDATION
ST. STEPHEN'S
CHURCH**

DRAWING TITLE

**EXISTING FLOOR
PLAN**

LOCATION

**11 DICKINSON RD.,
McKELLAR, ON**

DATE AUGUST 2019

DRAWN EC

CHECKED KL

SCALE AS SHOWN

ISSUED FOR
TENDER

ISSUED FOR
CONSTRUCTION

DWG. No.	PROJECT No.	REV. No.
S3	19-1496	1.0

GENERAL NOTES

- 1. READ STRUCTURAL DRAWNGS IN CONNECTION WITH OTHER CONTRACT DOCUMENTS
- 2. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS ON THE STRUCTURE DRAWNGS WITH THE ARCHITECTURAL DRAWNGS BEFORE CONSTRUCTION. ANY DISCREPANCIES OR ERRORS MUST BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WORK.
- 3. DO NOT SCALE DRAWNGS
- 4. FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF THE SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
- 5. STRUCTURAL DESIGN IS BASED ON THE LATEST EDITION OF THE NATIONAL AND ONTARIO BUILDING CODES AND, SPECIFICALLY, DIV. B- PART 4 OF THE 2012 ONTARIO BUILDING CODE.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR THE TESTING OF CONCRETE, COMPACTION, INSPECTION OF STRUCTURAL REINFORCING AND STRUCTURAL STEEL FOR ALIGNMENT, BOLTS AND WELDED CONNECTIONS, AND FOR THE PROMPT SUBMISSION OF ALL REPORTS TO THE PROJECT ENGINEER.
- 7. ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE WORKS NOT SHOWN ON THE STRUCTURAL DRAWNGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT THE START OF THE PROJECT AND ARRANGE FOR ALL INSPECTIONS IN ACCORDANCE WITH CLAUSE 10.2 OF THE BUILDING CODE ACT AND DIV. C. PART 1 PART 1 OF THE ONTARIO BUILDING CODE, PROVIDE MINIMUM 48 HOURS NOTICE WHEN AN INSPECTION IS REQUIRED. TULLOCH ENGINEERING HUNTSVILLE MAY BE CONTACTED BY BY PHONE AT (705)789-7851.
- 9. WHERE DEMOLITION OR RENOVATION OF EXISTING BUILDINGS IS INVOLVED,IT IS THE RESPONSIBILITY OF THE OWNER TO COMPLETE A DESIGNATEDSUBSTANCE SURVEY. A COPY OF THIS SURVEY SHALL BE FORWARDED TO THE ENGINEER AND TO THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
- 10. DO NOT BACKFILL UNTIL:
 - a) CONCRETE WALL HAS REACHED AT LEAST 70% OF ITS DESIGN STRENGTH
 - b) MAIN FLOOR STRUCTURE IS COMPLETELY INSTALLED
- 11. MAINTAIN 4'-0" MIN. EXTERIOR SOIL COVER FOR FROST PROTECTION. STEP FOOTING WHERE NECESSARY IN ACCORDANCE WITH OBC PART 9 REQUIREMENTS.
- 12. WALL DESIGNED FOR:
 - a) SURCHARD LOAD OF 71 psf (EQUIVALENT TO MAX. GROUND SNOW LOAD)
 - b) FREE DRAINING BACKFILL WITH EQUIVALENT FLUID DENSITY OF 30 psf.

WOOD

- 1. THE STRUCTURAL TIMBER & LUMBER SHALL BE No. 1 OR 2 GRADE SPECIES SPF OR BETTER UNLESS NOTED OTHERWISE.
- 2. THE DESIGN OF THE BEAMS, COLUMNS AND LINTELS IS BASED ON THE LIMIT STATES DESIGN SPECIFIED UNDER CSA STANDARD 086. ANY SUBSTITUTIONS OF SPECIES, GRADE OR GROUP MUST BE APPROVED BY THE ENGINEER PRIOR TO THE COMMENCING OF WORK.
- 3. THE LUMBER WAS DESIGNED FOR A MOISTURE CONTENT GREATER THAN 15 AT THE TIME OF MANUFACTURE AND LESS THAN 15% IN SERVICE.
- 4. DURING CONSTRUCTION, ENSURE ALL MEMBERS ARE IN GOOD BEARING CONTACT.
- 5. CONNECTION HARDWARE IS TO RECEIVE ONE COAT OF ZINC CHROMATE PREMIER OR EQUAL. ENSURE THAT ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD ARE COMPATIBLE WITH THE PRESSURE TREATING CHEMICALS.
- 6. PROVIDE STANDARD JOIST HANGERS AS REQUIRED BY SIMPSON, RSC OR APPROVED EQUIVALENT.
- 7. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

FOUNDATIONS

- 1. FOUND ALL FOOTINGS ON NATURALLY CONSOLIDATED, UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING 150 kPa (3000 psf). BEARING CAPACITY SHALL BE CONFIRMED BY CBO OR ENGINEER.
- 2. NO FOOTINGS SHALL BE POURED UNTIL THE ENGINEER HAS APPROVED THE FOUNDATION CONDITIONS.
- 3. THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATIONS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7 AND A RUN OF 10.
- 4. FOUND FOOTINGS WHICH ARE EXPOSED TO FREEZING WEATHER A MINIMUM OF 1200 mm (4 ft) BELOW FINISHED GRADE UNLESS SPECIFIED OTHERWISE.
- 5. ERECT, MAINTAIN, AND IF REQUIRED, REMOVE A SUPPORTING SHORING SYSTEM ALONG THE SIDES OF THE EXCAVATION.
- 6. PROTECT SOIL FROM FREEZING ADJACENT TO AND BELOW ALL FOOTINGS.
- 7. WHERE THERE IS GRADE ON BOTH SIDES, BACKFILL AGAINST FOUNDATION WALL IN SUCH A MANNER THAT LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN 500 mm (20 inches) DIFFERENT FROM THE LEVEL ON THE OTHER SIDE OF THE WALL EXCEPT WHERE TEMPORARY SUPPORT FOR THE WALL IS PROVIDED OR WALLS ARE DESIGNED AS CANTILEVER WALLS.

CONSTRUCTION SEQUENCE

- 1. REMOVE VESTIBULES FROM MAIN STRUCTURE.
- 2. INSTALL STEEL BEAMS UNDER MAIN FLOOR BEAMS.
- 3. INSTALL TIMBER CURBS AND LIFTING JACKS.
- 4. LIFT STRUCTURE ENSURING ALL BEAMS ARE LEVEL RELATIVE TO EACH OTHER. MONITOR BEAMS WHILE LIFTING. IF DEFLECTIONS DIFFER FROM CALCULATED VALUES PROVIDED IN DESIGN INFORMATION, CONTACT THE ENGINEER.
- 5. EXCAVATED FOR PIERS AND FOUNDATION.
- 6. CONSTRUCT FOUNDATION AS PER DESIGN.
- 7. LOWER STRUCTURE ONTO NEW FOUNDATION AND COMPLETE CONSTRUCTION.
- 8. REPLACE VESTIBULES TO ORIGINAL OR BETTER CONDITION.

MASONRY

- 1. OVER ALL OPENINGS AND RECESSES IN MASONRY WALLS, INCLUDING THOSE FOR MECHANICAL AND ELECTRICAL SERVICES OR EQUIPMENT, PROVIDE AND INSTALL MASONRY OR STEEL LINTELS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LINTEL SCHEDULE.
- 2. OBTAIN THE ENGINEER'S PERMISSION FOR ALL OPENINGS, SLEEVES, AND SLOTS THROUGH STRUCTURAL COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWNGS.
- 3. WHERE DOWELS, ANCHOR BOLTS, ETC., ARE SHOWN PROJECTING INTO MASONRY, GROUT THESE TIGHT INTO MASONRY VOIDS WITH CONCRETE OR CEMENT MORTAR.
- 4. PROVIDE A MINIMUM OF 400 mm (16") DEPTH OF 100% SOLID MASONRY UNITS FOR BEARING OF STEEL, CONCRETE, OR MASONRY LINTELS AND FOR A MINIMUM OF 200 mm (8") PAST BEARING PLATE EACH SIDE.
- 5. ALL MASONRY MUST BE SET WITH FULLY FILLED JOINTS USING MORTAR AS DEFINED IN THE NATIONAL BUILDING CODE AND/OR CSA A179M. MORTAR TO BE TYPE 'S' UNLESS NOTED OTHERWISE.
- 6. PROVIDE A MINIMUM OF 38 mm (1½") PORTLAND CEMENT GROUT UNDER ALL WALL PLATES AND BASE PLATES.
- 7. GROUT SHALL ALSO BE SUPPLIED IN CONCRETE BLOCK WALLS WHEREVER HORIZONTAL OR VERTICAL REINFORCING STEEL IS SPECIFIED. FILL CORES SOLID WHEREVER GROUT IS REQUIRED.
- 8. ALL MASONRY GROUT SHALL CONFORM TO CA/CSA A179-04 AND SHALL BE FINE TYPE GROUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 10 MPa.
- 9. THE CONCRETE BLOCK SHALL CONFORM TO CSA STANDARD CAN3-A165 SERIES-04.
- 10. THE MASONRY WIRE REINFORCING SHALL CONFORM TO CSA A370-04.
- 11. MASONRY VENEER CONNECTORS SHALL CONFORM TO AND BE INSTALLED IN ACCORDANCE WITH CSA A370-04.
- 12. NO MASONRY WORK SHALL BE PERMITTED WITH TEMPERATURE BELOW 5 DEGREES CELSIUS UNLESS PROVISIONS ARE MADE FOR HEATING THE MATERIALS AND PROTECTING THE WORK WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- 13. ALL MASONRY CONSTRUCTION SHALL CONFORM TO CSA STANARDS A371-04.
- 14. PROVIDE CONTINUOUS TRUSS TYPE JOINT REINFORCING AT 400 mm (16") o.c. AND USE "CORNER-LOK" AT ALL WALL INTERSECTIONS. REINFORCING TO BE HOT DIP GALVANIZED AT ASTM A153 CLASS B2. LONGITUDINAL WIRES TO BE 4.76 mm (3⁄16") DIAMETER, AND DIAGONAL WIRES TO BE 3.66 mm DIAMETER (9 ga).
- 15. ALL METAL ANCHORS TO SECURE WALLS EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED.
- 16. ANCHOR ALL MASONRY TO COLUMNS WITH STEEL STRAP PLATE 40 x 5 x 525 mm, 50 mm HOOKS AT 600 mm o.c. (PLATE 1½" X 3⁄16" X 21", 2" HOOKS AT 24") UNLESS NOTED.
- 17. VERTICAL REINFORCING SHALL BE CONTINUOUS. LAP BARS 450 mm (18").
- 18. REINFORCE ALL OPENINGS THROUGH MASONRY WALLS WITH ONE (1) 15 M VERTICAL BARS EACH SIDE OF THE OPENING AND EXTENDING 600 mm (16") PAST OPENING.
- 19. PROVIDE ONE COURSE BOND BEAM COMPLETE WITH ONE (1) 15 M CONTINUOUS FOR ALL BEARING WALLS UNDER ROOF STRUCTURES AND ALL FLOOR STRUCTURES.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CSA SPECIFICATIONS S16.1 (LATEST EDITION) AND CSA SPECIFICATIONS G40.1, TYPE 350W (LATEST EDITION) FOR BEAMS AND 350W FOR HSS (CLASS C).
- 2. PROVIDE AND REMOVE AFTERWARDS TEMPORARY BRACING NECESSARY TO KEEP THE STRUCTURE TRUE AND PLUMB DURING CONSTRUCTION
- 3. CO-ORDINATE WITH ALL SUB-TRADES WHOSE WORK AFFECTS THE DETAILING, FABRICATION AND ERECTION OF THE STRUCTURAL STEEL. DO NOT CUT OPENINGS IN STRUCTURAL STEEL MEMBERS WITHOUT THE ENGINEER'S APPROVAL.

DESIGN INFORMATION

- 1. ALL DESIGN LOADING SHOWN ARE SPECIFIED (UNFACTORED) LOADS
- 2. IMPORTANCE FACTOR: [HIGH]
- 3. BASIC SNOW FACTOR: [1.5]
- 4. SNOW:
 - GROUND SNOW LOAD, Ss: 12.8 kPa (60 psf)
 - ROOF SNOW LOAD: (0.55 x 2.3) + 0.4 = 1.94 kPa (40 psf)
- 5. DEAD:
 - ROOF DEAD LOAD: 0.57 kPa (12 psf)
 - FLOOR DEAD LOAD: 0.72 kPa (15 psf)
 - WALL DEAD LOAD: 0.72 kPa (15 psf)
- 6. LIVE:
 - OCCUPANCY LOAD: 4.8 kPa (100 psf)
- 7. DEFLECTION:
 - ACTUAL / ALLOWABLE: 86 %
 - RATIO: 1/300
 - EXPECTED: 28.2mm

PLANS REVIEWED
Dated Aug 29/19
C.B.O. *CB*
Township of McKellar



PROJECT TITLE
ONIX CONTRACTORS
PROPOSED
FOUNDATION
ST. STEPHEN'S
CHURCH

DRAWING TITLE
NOTES

LOCATION
11 DICKINSON RD.,
McKELLAR,
ON

DATE AUGUST 2019

DRAWN EC

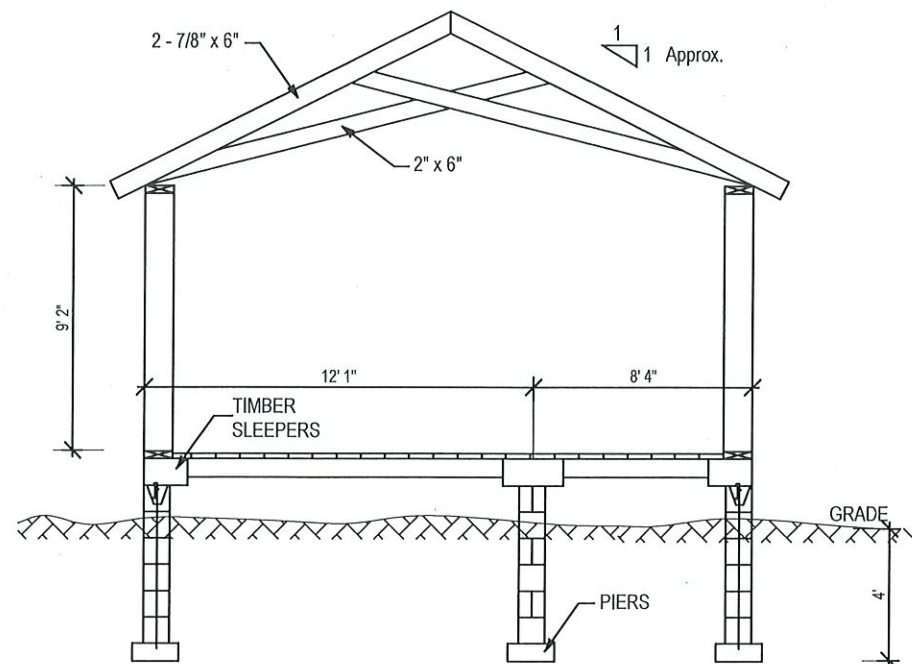
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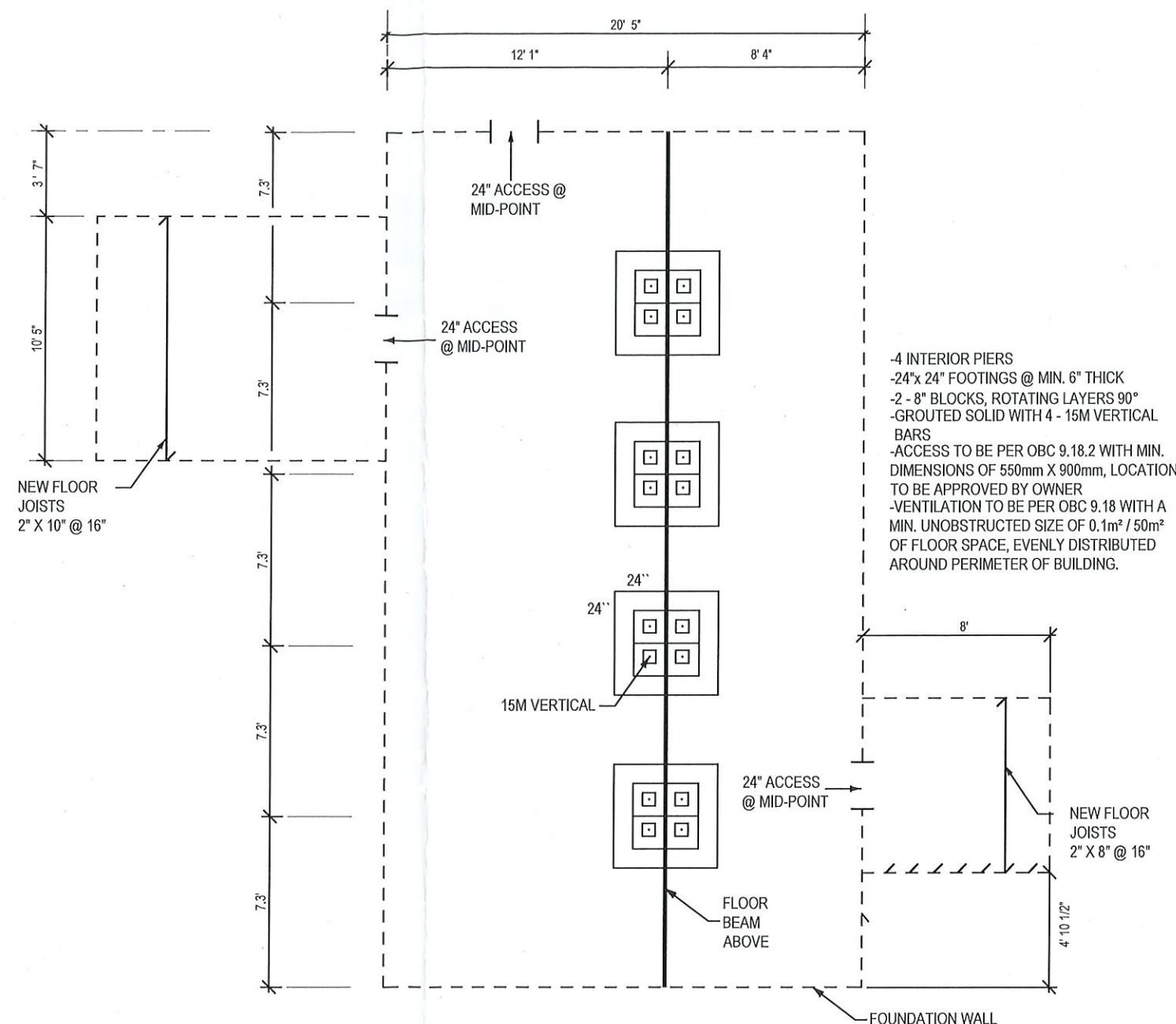
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ISSUED FOR
CONSTRUCTION

DWG. No.	PROJECT No.	REV. No.
S2	19-1496	1.0

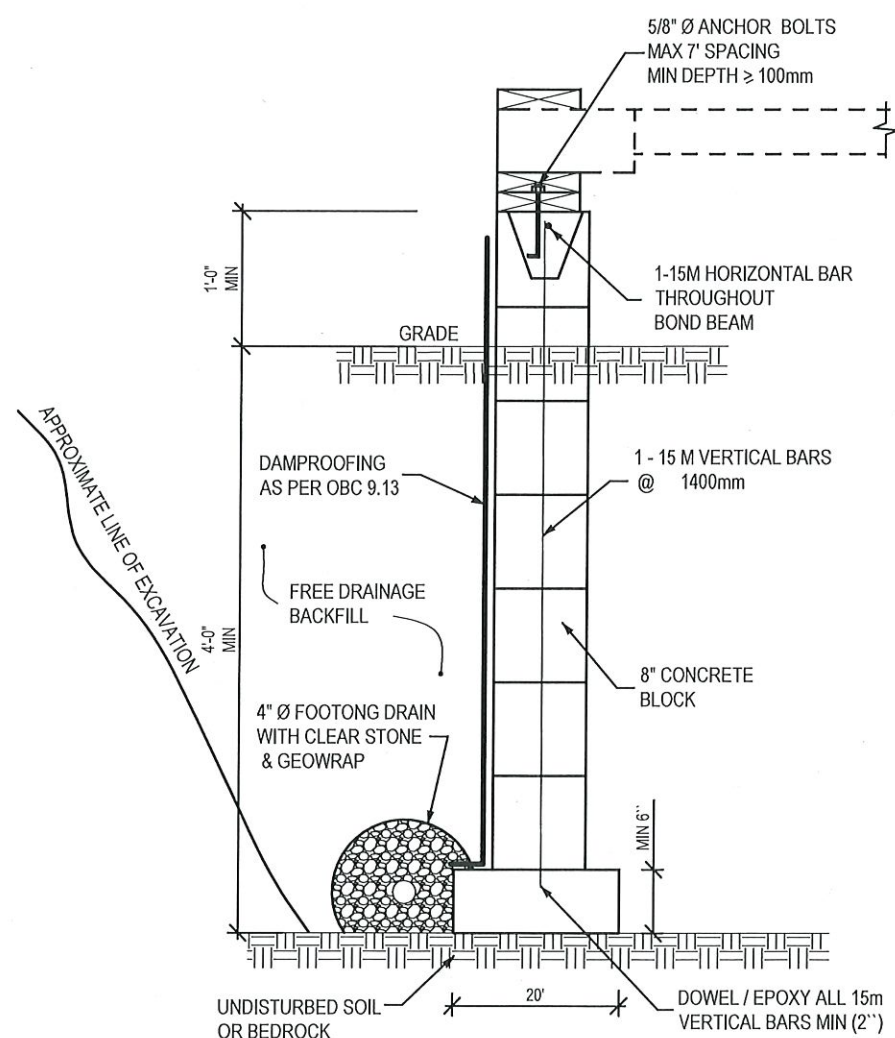


SECTION
1 : 75



PIER / FOUNDATION PLAN
1 : 75

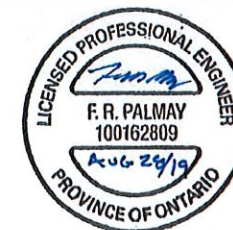
- 4 INTERIOR PIERS
- 24"x 24" FOOTINGS @ MIN. 6" THICK
- 2 - 8" BLOCKS, ROTATING LAYERS 90°
- GROUTED SOLID WITH 4 - 15M VERTICAL BARS
- ACCESS TO BE PER OBC 9.18.2 WITH MIN. DIMENSIONS OF 550mm X 900mm, LOCATION TO BE APPROVED BY OWNER
- VENTILATION TO BE PER OBC 9.18 WITH A MIN. UNOBSTRUCTED SIZE OF 0.1m² / 50m² OF FLOOR SPACE, EVENLY DISTRIBUTED AROUND PERIMETER OF BUILDING.



FOUNDATION WALL
NOT TO SCALE

PLANS REVIEWED
Dated Aug 29/19
C.B.O. CB
Township of McKellar

TULLOCH



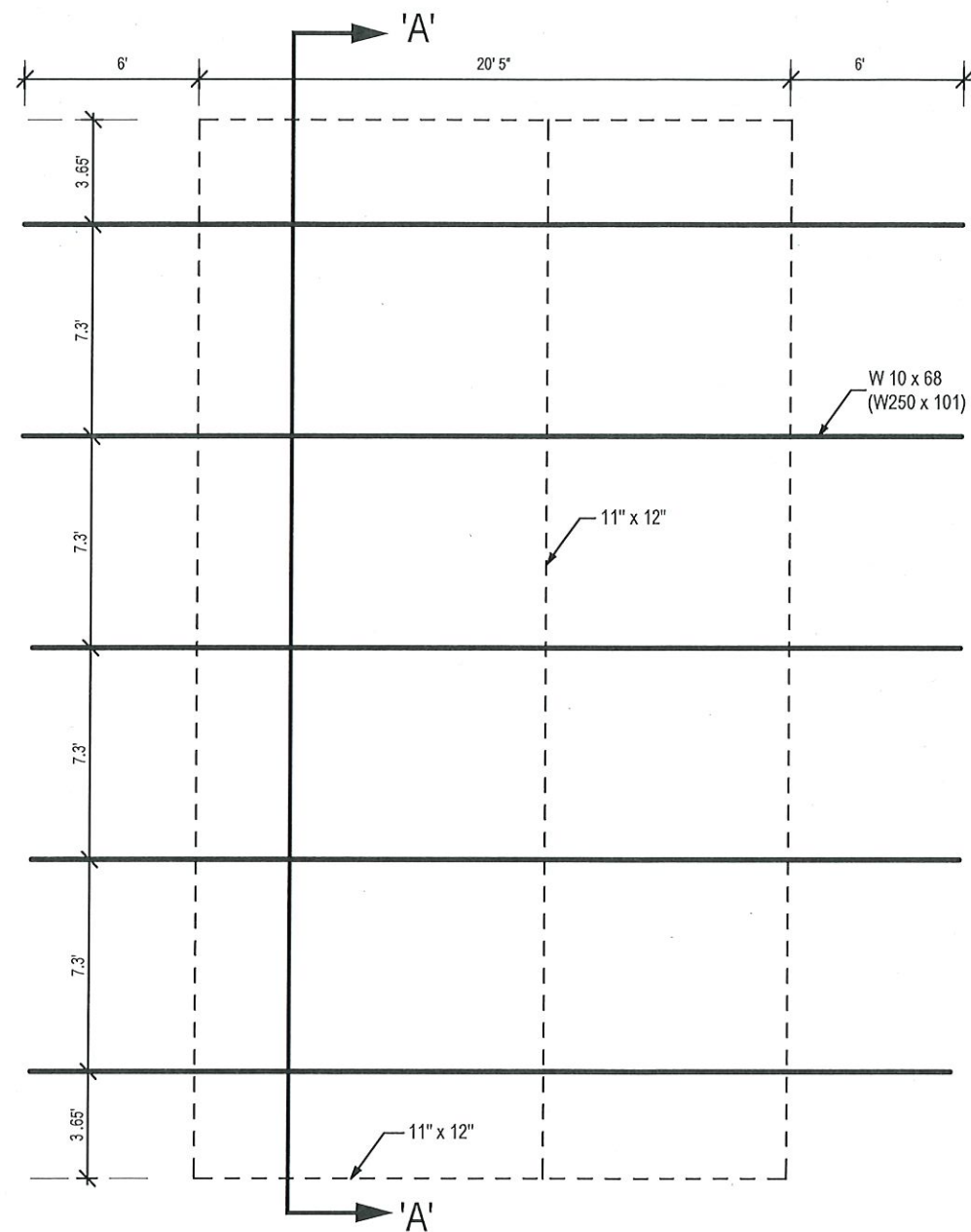
PROJECT TITLE
ONIX CONTRACTORS
PROPOSED
FOUNDATION
ST. STEPHEN'S
CHURCH

DRAWING TITLE
FOUNDATION PLAN

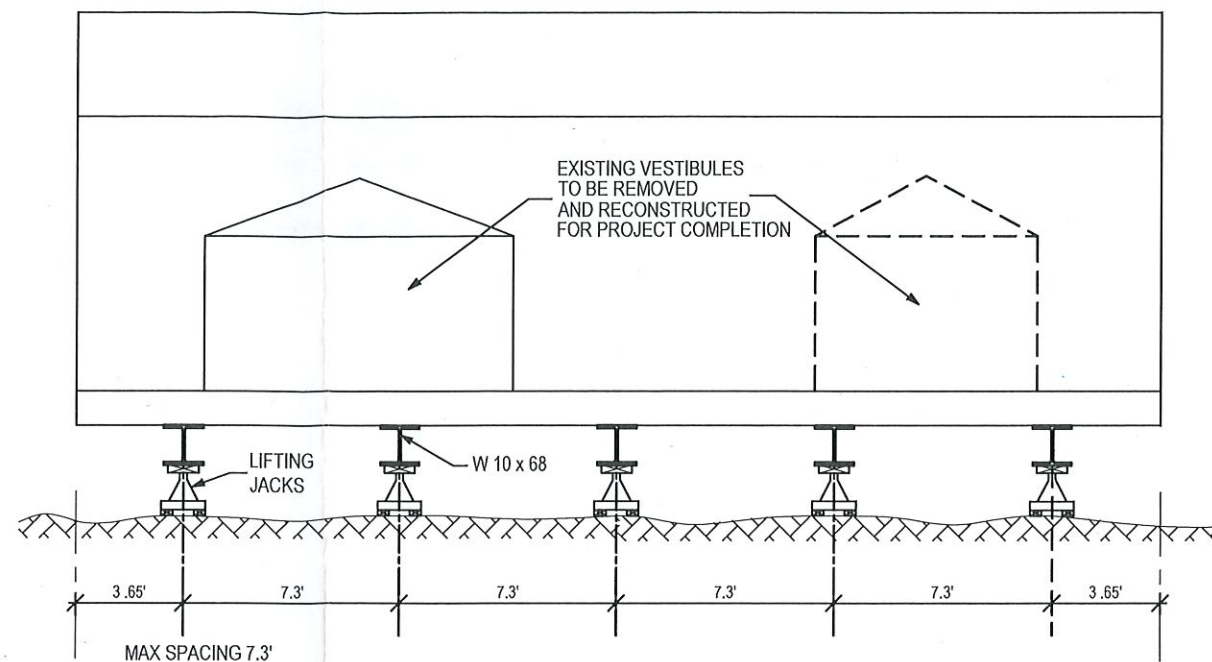
LOCATION
11 DICKINSON RD.,
McKELLAR,
ON

DATE	AUGUST 2019
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SCALE	AS SHOWN
ISSUED FOR TENDER	
ISSUED FOR CONSTRUCTION	

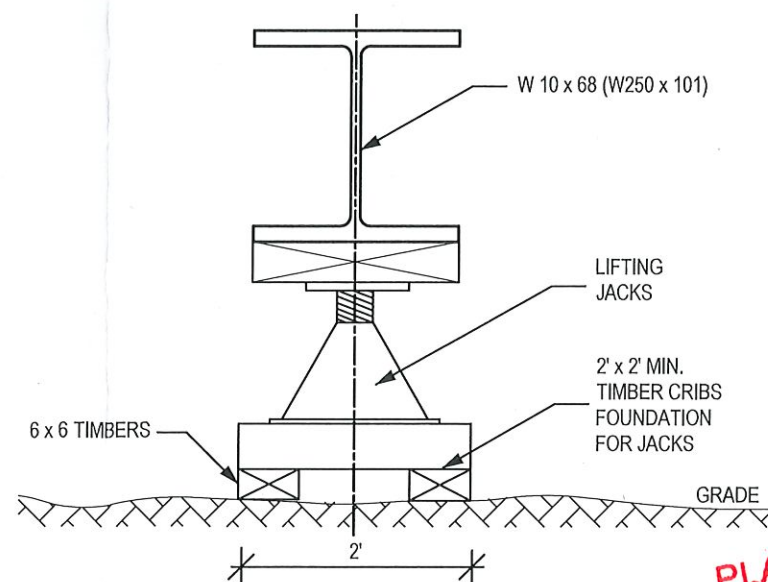
DWG. No.	PROJECT No.	REV. No.
S5	19-1496	1.0



TEMPORARY BEAM PLAN
1 : 75



SECTION A-A
1 : 75



STEEL DETAIL
NOT TO SCALE

PLANS REVIEWED
Dated AUG 29/19
C.B.O. CB
Township of McKellar



PROJECT TITLE
**ONIX CONTRACTORS
PROPOSED
FOUNDATION
ST. STEPHEN'S
CHURCH**

DRAWING TITLE
**TEMPORARY BEAM
PLAN**

LOCATION
**11 DICKINSON RD.,
McKELLAR, ON**

DATE	AUGUST 2019
DRAWN	EC
CHECKED	KL
SCALE	AS SHOWN
ISSUED FOR TENDER	
ISSUED FOR CONSTRUCTION	

DWG. No.	PROJECT No.	REV. No.
S4	19-1496	1.0