

NOTES:

GENERAL:

- 1. GOVERNING CODE: ONTARIO BUILDING CODE 2012.
- 2. ALL DIMENSIONS AND DETAILS GIVEN ON STRUCTURAL DRAWINGS MUST BE CHECKED WITH THE OTHER DISCIPLINES INVOLVED; ANY INCONSISTENCY MUST BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE
- 3. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH THE
- RELEVANT SITE AND GRADING PLANS. 4. DRAWINGS MUST NOT BE SCALED.
- 5. ALL CONSTRUCTION, SHORING, DETAILING, EXCAVATIONS, etc. MUST BE AS PER LATEST NATIONAL BUILDING CODE, OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TEMPORARY WORKS.
- SUFFICIENT TEMPORARY BRACING SHALL BE PROVIDED TO KEEP THE WALL FORMS AND ALL SHORING SAFE, PLUMB, AND IN TRUE ALIGNMENT DURING CONSTRUCTION.
- 7. WORK DONE BY SUB-CONTRACTORS WILL BE THE RESPONSIBILITY OF GENERAL CONTRACTOR.

SOILS/FOUNDATIONS:

- 1. OVER EXCAVATED LEVELS AT FOUNDATIONS TO BE BACKFILLED WITH LEAN CONCRETE UNLESS OTHERWISE
- 2. ALL FOOTINGS SHALL BE FOUNDED ON NATIVE SOIL OR PROPERLY COMPACTED ENGINEERED FILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 90 kPa: IN THE CASE OF A LOWER BEARING CAPACITY, CONTACT STRUCTURAL ENGINEER TO REDESIGN THE FOOTINGS.
- 3. ALL FOOTINGS SHALL BE FOUNDED A MINIMUM OF 1.8m (5'-10") BELOW FINISHED GRADE UNLESS NOTED

- 4. FOUNDATION AND EXCAVATION SUBJECT TO FROST DURING CONSTRUCTION SHALL BE ADEQUATELY PROTECTED.
- 5. EXCAVATION SHALL BE KEPT FREE OF WATER. 6. COORDINATE WITH GEOTECHNICAL CONSULTANT FOR GEOTECHNICAL REPORT AND GEOTECHNICAL RELATED MATTERS.
- 7. EXCAVATION SLOPES TO BE MAINTAINED AS PER GEOTECHNICAL REPORT OR GEOTECHNICAL ENGINEER'S
- 8. IN THE EVENT OF WATER FOUND DURING FOUNDATION EXCAVATION NOT NOTED IN GEOTECHNICAL STUDY, REPORT TO GEOTECHNICAL & STRUCTURAL ENGINEERS RIGHT AWAY
- FOR THEIR ADVICE.
- 9. FOUNDING SOIL SHALL BE INSPECTED AND APPROVED BY SOIL CONSULTANT PRIOR TO PLACING CONCRETE
- 10. ALL SLAB-ON-GRADE SHALL BE CONSTRUCTED ON GRANULAR MATERIAL COMPACTED TO 98% SPDD AND TO BE APPROVED BY SOIL CONSULTANT.
- 11. EXCAVATION SLOPES ARE NOT TO EXCEED 7V:10H UNLESS DIRECTED OTHERWISE BY GEOTECHNICAL ENGINEER

REINFORCED AND PLAIN CONCRETE:

- 1. CONCRETE AND REINFORCEMENT INSTALLATION TO CONFORM TO CSA A23.1-14, A23.2-14 AND A23.4-14. CONCRETE STRENGTH TO BE 25 MPa AT 28 DAYS FOR
- FOOTINGS AND WALLS, EXPOSURE CLASS F2. 2. MAX W/C TO BE 0.4; MAX AGGREGATE SIZE 20MM.
- 3. REINFORCING BARS TO CONFORM TO CAN CSA G30.18-M92(R2002) LATEST EDITION Fy FOR REINFORCING BARS: 400 MPa
- 4. CONCRETE COVER SHALL BE AS INDICATED IN TABLE 4, AS PER CAN/CSA A23.1 TABLE 17.
- 5. NO OPENING, PENETRATION OR SLEEVE THROUGH STRUCTURAL ELEMENTS SHALL BE INSTALLED UNLESS APPROVED BY STRUCTURAL ENGINEER OR SHOWN ON STRUCTURAL DRAWINGS.
- 6. CURING OF CONCRETE SHALL BE DONE ACCORDING TO CAN/CSA A23.1 &7.4.2 AND LAST 3 DAYS MINIMUM.
- 7. KEEP FORMS UNSTRIPPED FOR 2 DAYS MINIMUM AFTER PLACING CONCRETE.

- 8. CONCRETE TO BE PROTECTED FROM EXCESSIVE HEAT AND COLD; REFER TO COLD AND HOT WEATHER PROTECTION PROCEDURES.
- 9. DO NOT BACKFILL NEAR SLAB AND WALLS BEFORE 7 DAYS AFTER POURING CONCRETE.
- 10. REINFORCING BARS IN FOOTINGS AND SLABS CAST DIRECTLY OVER EARTH, AND CONCRETE MEMBERS EXPOSED TO WEATHER FOR ARCHITECTURAL REASONS, SHALL BE
- SUPPORTED DIN DESIGNATED POSITION BY MEANS OF PRECAST CONCRETE SUPPORTS OR EQUIVALENT
- 11. ALL CONCRETE TO BE VIBRATED THOROUGHLY DURING
- 12. PROVIDE CONTROL JOINT AT OUTSIDE FACE OF FOUNDATION WALL AT 9.14m (30') c/c, UNLESS NOTED OTHERWISE.
- 13. PROVIDE 15M U-BARS AT ENDS AND 15M L-BARS AT CORNERS AND T'S OF FOUNDATION WALLS SPLICED TO HORIZONTAL REINFORCING WITH 600mm LAP, UNLESS NOTED OTHERWISE. SPACING TO MATCH SMALLER SPACING

OF THE JOINING WALLS.

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. TH CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO TH OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, TH SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND

WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WOR NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. TH CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSEL

WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS

OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OF OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT

UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION". THESE DRAWING SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIES CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS A THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT TH WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, O ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO B MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHE CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOU' OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FUL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIEN AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM AN IABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OF COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING

IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OF WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.

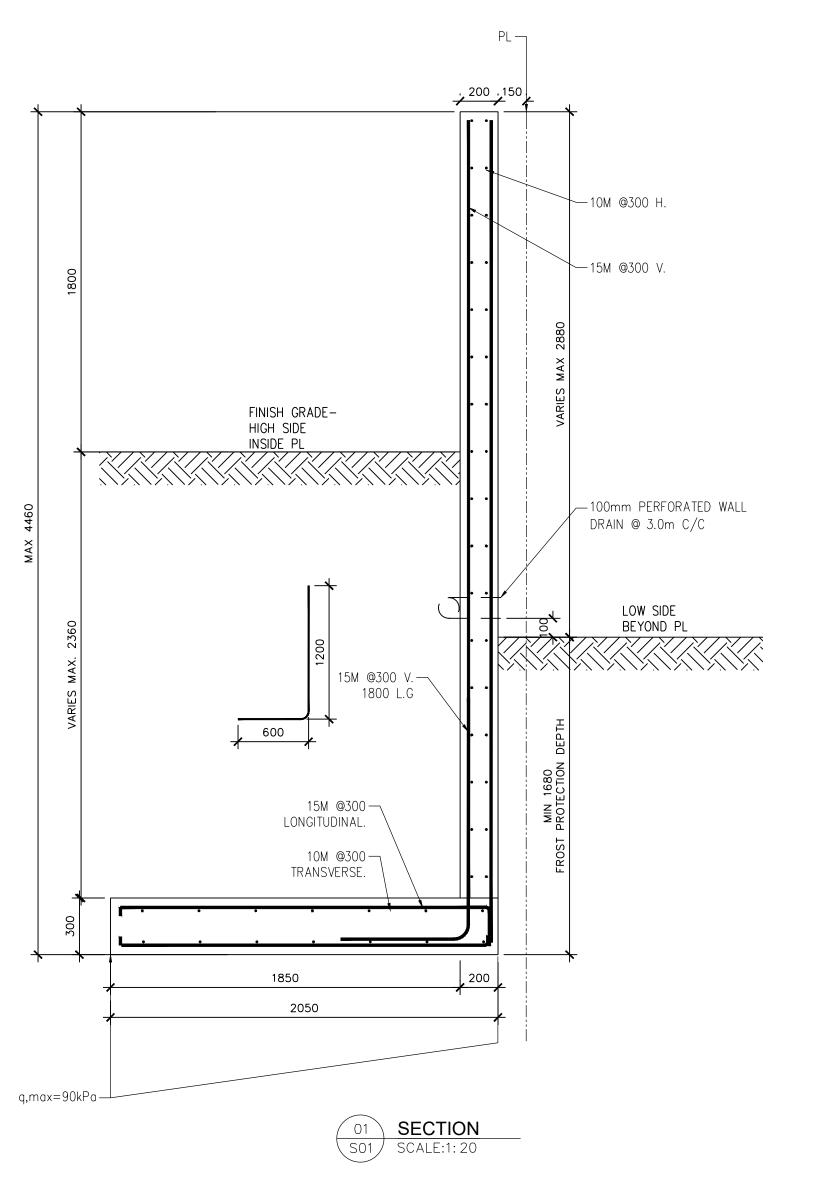
EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM

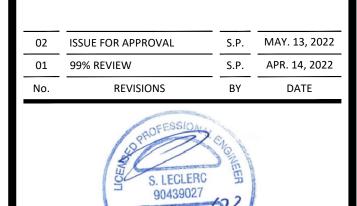
CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.









5430 Canotek Road I Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434

DE SAULNIERS CONSTRUCTION LTD.

BENSON AUTO PARTS 2020 BANTREE ST, OTTAWA, ON

RETAINING WALL

APR. 09, 2022