

PROJECT NO. 23116
HOSSACK ARCHITECTS

ADDENDUM NO. 2**Issued by email Wednesday September 18, 2024**

The following additions, deletions, modifications and clarifications issued herein are hereby an integral part of the Tender and Contract Documents. Minor Typographic or spelling mistakes in the Contract Documents which do not significantly affect the meaning of the sentence or phrase in which they occur may not necessarily be corrected by Addenda.

GENERAL

1. Ensure that all parties submitting bids are aware of this **Addendum No.2** and its contents.
2. **Contents:** Addendum No. 2 - in its entirety consists of the following:
 - .1 Three (3) typed page of instructions, dated: September 18, 2024 by Hossack Architects.
 - .2 Specification section '10 43 70 Concrete Storage Unit (3 pages)
 - .3 Civil Addendum 2 - 'CV-1 Erosion & Sediment Control and Removal Plan' dated Sep. 18/2024 - one (1) full size drawing 30" x 42" issued by MGM Consulting Inc.
 - .4 Structural Addendum 1, dated September 17, 2024 – One (1) typed page of instructions and two (2) full size drawings 30" x 42" issued by Salas O'Brien.

AMENDMENTS TO SPECIFICATIONS – BINDER A**Item 1: Section 00 00 10 Table of Contents:**

- .1 REVISE section "04 21 13...Masonry Veneer...6" to read: "04 22 00...Masonry Veneer...6".
- .2 ADD section "10 43 70...Concrete Storage Unit...3".

Item 2: Section 00 11 00 General Instructions and Summary of Work:

- .1 DELETE item 1.8.1.13. *Reason: The access modification permit has been obtained and fees paid for by the City of Mississauga. The Contractor is still responsible for coordinating the work.*
- .2 DELETE item 1.34.8.16. *Reason: Not required as a result of a hydrant flow test.*
- .3 ADD item 1.34.8.18 Bunker Gear Room Racking.
- .4 ADD item 1.34.8.19 Murphy Beds in Captain's Offices.
- .5 ADD item 1.34.8.20 Final lock cores and keying.
- .6 ADD item 1.34.8.21 PA System equipment installation (pathways and wiring in base contract) and tone generator.
- .7 ADD item 1.34.8.22 Kitchen appliances and washer & dryer. Installation of appliances shall be in base contract, purchase of equipment through cash allowance.
- .8 REVISE item 1.34.8.11 to read: "Security equipment, including card readers and cameras".
- .9 DELETE item 1.34.8.7. *Reason: Motorola is contracted directly with the Owner and will install the equipment at substantial completion. All infrastructure is included in base contract.*
- .10 DELETE item 1.34.8.10. *Reason: IT scope is included in base contract. IT Network Standards are provided in Tender Appendix. Base contract to include supply and install of conduit, wiring and coordination.*

Item 3: Section 10 11 25 Manufactured Specialties:

- .1 DELETE item 2.1.7 Gear Room Racking (Free Standing).
- .1 DELETE item 2.1.8 Laundry Room Drying Racking (Free Standing).
- .2 DELETE item 2.1.9 Hose Drying Rack (Free Standing).

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Reason: Gear Room Racking moved to Cash Allowance. Laundry Room drying rack and Hose drying rack will be supplied by the Owner.

Item 4: Section 10 43 70 Concrete Storage Unit:

- .1 ADD specification section 10 43 70 Concrete Storage Unit, 3 pages.

Item 5: Drawings and Specifications:

- .1 REVISE all references in specifications and drawings for imported fill material to meet MOE 'Table 3.2' to be revised to MOE '**Table 3.1**'.

AMENDMENTS TO DRAWINGS**Item 6: Drawings A02 Ground Floor Plan:**

- .1 DELETE Patio Furniture graphics including the wording "Patio Furniture (NIC)" from the exterior Patio area south of grid line M between 2&3.
- .2 ADD wording "Refer to Landscape Plan for Patio Furniture" to the exterior Patio area south of grid line M between 2&3.
- .3 DELETE text label "SC1" in Lounge 120. This glazed opening is part of Frame Elevation Type 4 (A15).

Reason: Coordination.

Item 7: Drawings A04 Floor Finish, Room Finish and Signage Plan:

- .1 ADD text label "Roller Shades + Black out Shades" next to the East window in Lounge 120.
- .2 REVISE room finish schedule to read: "Electrical Room 141...Floor Finish: PORCELAIN TILE on Mezzanine Landing, SEALED CONCRETE within Electrical Room...Base: PORCELAIN TILE on Mezzanine Landing, RR with Electrical Room".

Item 8: Drawings A05 Reflected Ceiling Plans:

- .1 DELETE the label "G.B. Bulkhead" from the following rooms: Dormitory A 123, Dormitory B 124, Captain's Room A 103, Captain's Room B 104.
- .2 ADD label "G.B Bulkhead" at the following locations: 1) Corridor A 101 between the ACT ceiling and the exposed pre-cast concrete roof deck. 2) Corridor B 125 between the ACT ceiling and the exposed pre-cast concrete roof deck.

CIVIL

- .1 Civil Addendum 2 - REPLACE drawing 'CV-1 Erosion & Sediment Control and Removal Plan' with the enclosed drawing 'CV-1 Erosion & Sediment Control and Removal Plan' dated Sep. 18/2024 - one (1) full size drawing 30" x 42" issued by MGM Consulting Inc.

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STRUCTURAL

- .1 Structural Addendum 1, dated September 17, 2024 – One (1) typed page of instructions and two (2) full size drawings 30" x 42" issued by Salas O'Brien.

End of Addendum No. 2

Part 1 General

1.1 RELATED WORK

- .1 Section 01 33 00 - Submittal Procedures.

1.2 WORK INCLUDED

- .1 Supply and install prefabricated unit as specified in location shown on drawings.
- .2 Supervision, inspection and checking of unit as installed on site.

1.3 REFERENCES

- .1 Drawing designation: "Precast Concrete Storage Shed". Refer to Site Plan drawing.

1.4 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

1.5 SAMPLES

- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

1.6 GUARANTEE

- .1 Submit a written Guarantee to the Owner, that all work of this Tender shall be free from defects in workmanship and materials for a minimum period of one (1) year from date of approved completion.
- .2 All defects (excluding vandalism) in materials and workmanship that become apparent during the Guarantee period shall be made good or material replaced at no cost to the Owner.

1.7 WASTE MANAGEMENT AND DISPOSAL

- .1 Remove from site and dispose of all packaging materials at appropriate recycling facilities.
- .2 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, packaging material in appropriate on-site bins for recycling.
- .3 Place materials defined as hazardous or toxic in designated containers.
- .4 Divert unused metal materials from landfill to metal recycling facility as approved by Consultant.
- .5 Unused paint or coating material must be disposed of at an official hazardous material collections site as approved by Consultant.
- .6 Fold up metal banding, flatten and place in designated area for recycling.

- .7 Do not dispose of unused paint material into sewer system, into streams, lakes, onto ground or in any other location where it will pose health or environmental hazard.

1.8 LOCATION

- .1 **Provide one (1) unit.** Refer to site plan SP1.

Part 2 Products

2.1 MATERIALS

- .1 Pre-cast concrete building/storage unit, Pre-cast concrete building/storage unit, Model-70, 2134mm x 3861mm x 1905mm high, as manufactured by Brooklin Concrete Products, 1-800-655-3430 or approved alternate”.
- .3 Weight:24,000 lbs (10,886 kg) gross.
- .4 Construction:
 - .1 steel reinforced walls, roof & base.
 - .2 16 ga. painted steel doorframe cast into wall for security.
 - .3 live roof load 40 p.s.f.
 - .4 max.wind load 31 p.s.f. (equivalent hourly wind pressure 14.4 p.s.f.)
 - .5 concrete 4000 p.s.i. minimum.
 - .6 exposed aggregate walls (natural stone finish)
 - .7 base, clean smooth (white) concrete.
 - .8 graffiti resistant exterior coating.
 - .9 no joints between walls or between walls & roof for superior weather protection and to eliminate maintenance.
 - .10 delivered and place as (1) piece (no on-site assembly)
 - .11 seal between walls & base is maintenance free mastic.
 - .12 (2) heavy duty aluminum vents with birdscreen to provide free area of 120 square inches.
- .5 Door & hardware:
 - 1 (2) 36" x 80" x 1 1/2" thick hollow metal doors.
 - .2 16 ga. steel, wipe coated zinc base coat, with one coat galvaprime and two coats gloss exterior alkyd paint.
 - .3 spot welded edges.
 - .4 (3) vandal resistant hinges/door (Hagar BB2222x4, 5x4x619xNRP)
 - .5 steel top cap each door.
 - .6 aluminum & fibre door sweep bottom
 - .7 Schlage B160N deadbolt lock, standard (can be fitted with spec lock to match existing sets)
 - .8 Keying to be confirmed with Consultant.
 - .9 Both doors w/ spring softened chain checks (Mallory 1225).
 - .10 fixed doors w/top & bottom surface bolts (onward564)

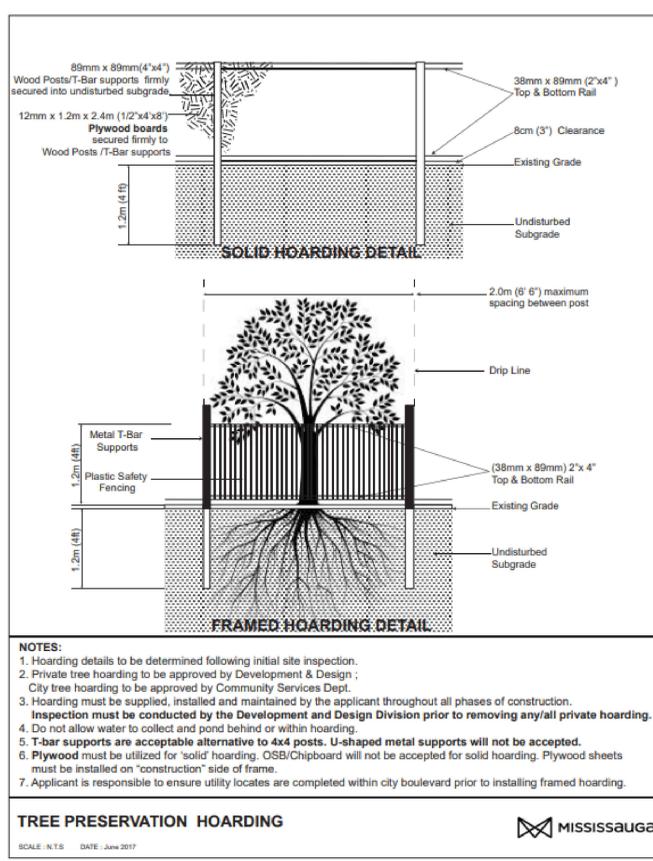
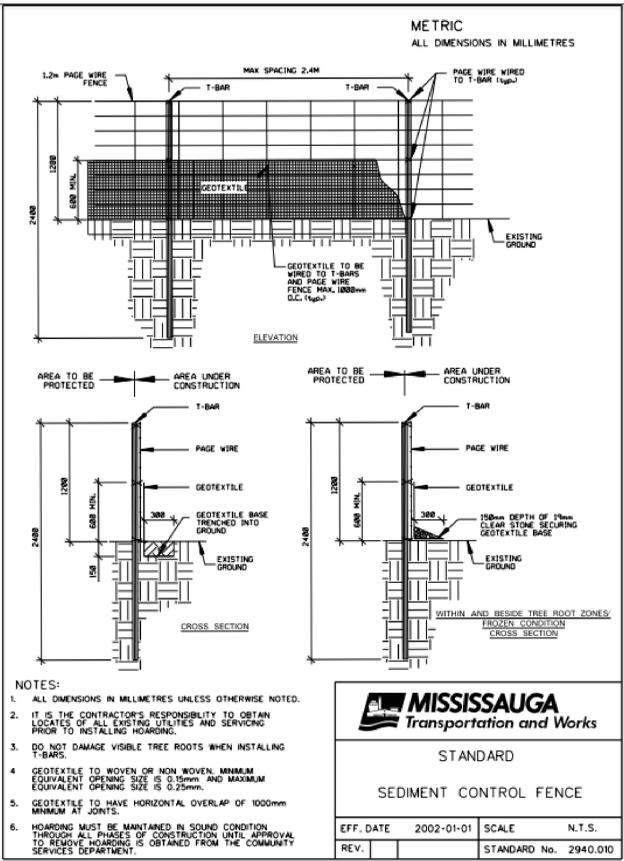
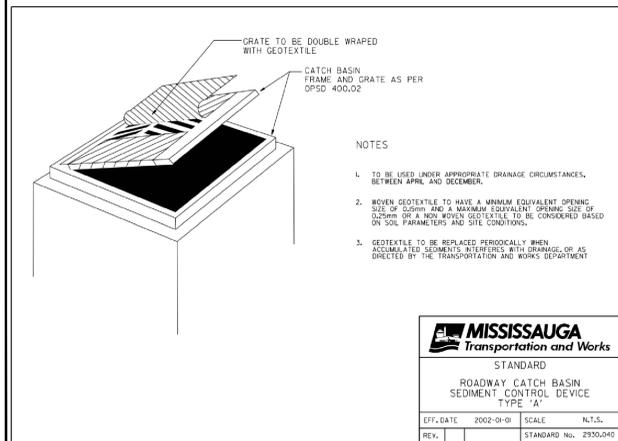
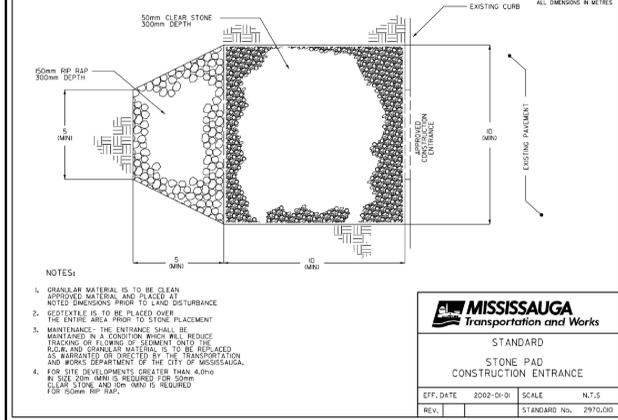
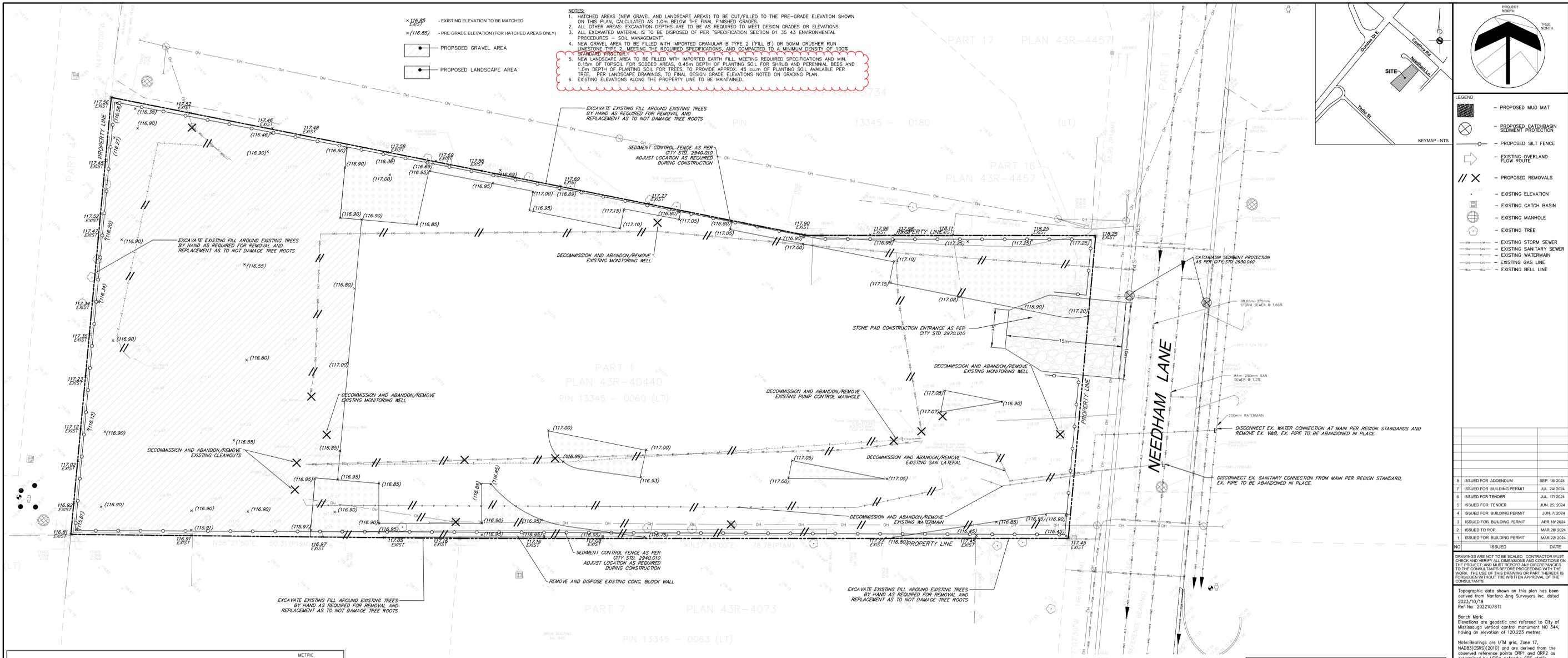
Part 3 Execution

3.1 INSTALLATION

- .1 For concrete or asphalt surface: Bearing pads to be provided if levelling is required

- .2 For grass site: 11'0" x 11'0" x 6" thick compacted stone chip base with 2" loose stone chips on top.
- .3 Comply manufacturer's installation instructions and approved shop drawings.

END OF SECTION



CONTRACTOR TO CONTACT MGM CONSULTING INC. IMMEDIATELY SHOULD THERE BE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND PROPOSED GRADING AND/OR SERVING DESIGN OR CONFLICTS IN CONSTRUCTING THE WORK AS PER THE INTENT OF THE APPROVED DESIGN PRIOR TO CONSTRUCTION.

NOTES:

- ALL WORK TO CONFORM TO THE LATEST MUNICIPAL STANDARDS AND SPECIFICATIONS AS WELL AS THE LATEST ADOPTED ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
- ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO SATISFACTION OF THE MUNICIPALITY AND MGM CONSULTING INC.
- CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES AND UTILITIES PRIOR TO AND DURING CONSTRUCTION.
- CONTRACTOR TO LOCATE AND CONFIRM ALL EXISTING UTILITIES AND SERVICE INFORMATION PRIOR CONSTRUCTION.
- CONTRACTOR TO ENSURE ADEQUATE CLEARANCE FROM ALL EXISTING SERVICES AND UTILITIES.
- CONTRACTOR TO CONFIRM ALL EXISTING INVERTS PRIOR TO INTERNAL SERVING.
- CONTRACTOR TO CONFIRM THE PAVEMENT STRUCTURE "THICKNESS" BASED ON THE GEOTECHNICAL REPORT.

EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS SHOWN PRIOR TO CONSTRUCTION AND MAINTAIN IN GOOD CONDITION UNTIL CONSTRUCTION IS COMPLETED AND VEGETATIVE COVER IS ESTABLISHED.
- ALL SILT FENCING TO BE INSTALLED PRIOR TO ANY AREA GRADING, EXCAVATING OR DEMOLITION COMMENCING.
- EROSION CONTROL FENCING TO BE INSTALLED AROUND BASE OF ALL STOCKPILES.
- EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MANHOLE AND CATCHBASINS.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
- EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED.
- NO ALTERNATIVE METHODS OR EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
- CONTRACTOR TO CLEAN ROADWAY AND SIDEWALKS OF SEDIMENT RESULTING FROM CONSTRUCTION TRAFFIC FROM THE SITE EACH DAY.
- CONTRACTOR MUST REMOVE EROSION AND SEDIMENTATION FENCING PRIOR TO COMPLETION OF PROJECT. CONTRACTOR TO HAVE EROSION AND SEDIMENTATION FENCE INSPECTED WHEN VEGETATION HAS ESTABLISHED, BUT PRIOR TO FENCE BECOMING OVERGROWN. ENGINEER'S REPRESENTATIVE TO DETERMINE IF VEGETATION HAS REACHED THE CRITICAL POINT AND WILL THEN INSTRUCT CONTRACTOR TO REMOVE FENCE.
- FOR DETAILS OF ALL ELECTRICAL REMOVALS INCLUDING LIGHT STANDARDS, AND UNDERGROUND DUCT AND WIRING, REFER TO ELECTRICAL DRAWINGS.
- FOR DETAILS ON TREE REMOVALS, AND PROTECTION REFER TO LANDSCAPING DRAWINGS.

MAINTENANCE RECOMMENDATIONS

- EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY AND ANY DAMAGE REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE FENCE.
- OWNERS REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.

EROSION & SEDIMENT CONTROL SEQUENCES:

- INSTALL CONSTRUCTION ENTRANCE MUD MAT.
- INSTALL SILT FENCE AROUND THE SITE PERIMETER. SINGLE ROW SILT FENCE DETAIL AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN ATTACHED.
- DURING THE SERVING CONSTRUCTION, LIMIT OPEN TRENCH LENGTHS TO MINIMIZE EROSION POTENTIAL.
- DURING WORK STOPPAGES OR INCLEMENT WEATHER, PLUG ENDS OF OPEN SENSERS TO PREVENT DOWNSTREAM SEDIMENTATION.
- PROVIDE CATCHBASIN SEDIMENT PROTECTION ON ALL CATCHBASIN AND CATCHBASIN MANHOLES FOR THE DURATION OF CONSTRUCTION.
- ENSURE SILT LADEN WATER FROM TRUCK WASH AREAS ARE DIRECTED TO AREAS PROTECTED BY A FILTER RING AND AT LEAST 15 METERS FROM A WATERCOURSE.
- ALL SILT LADEN WATER DURING Dewatering OF TRENCHES TO BE DIRECTED TO AN AREA PROTECTED BY A FILTER RING OR TO A GEOTEXTILE FILTER BAG. FILTRATION TO BE A MINIMUM OF 15 METERS FROM A WATERCOURSE.
- SWEEP EXTERNAL STREETS AS DIRECTED BY THE ENGINEER OR CONSERVATION.
- FOLLOWING BASE COURSE ASPHALT, CATCHBASINS TO BE REPAWPPED WITH GEOTEXTILE.
- PERIODIC STREET CLEANING AND CATCHBASIN CLEANOUT TO BE PERFORMED AS REQUIRED.

PROJECT NORTH

LEGEND

- PROPOSED MUD MAT
- PROPOSED CATCHBASIN SEDIMENT PROTECTION
- PROPOSED SILT FENCE
- EXISTING OVERLAND FLOW ROUTE
- PROPOSED REMOVALS
- EXISTING ELEVATION
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING TREE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING GAS LINE
- EXISTING BELL LINE

KEYMAP - NTS

| NO. | ISSUED | DATE |
|-----|----------------------------|-------------|
| 8 | ISSUED FOR ADDENDUM | SEP 18 2024 |
| 7 | ISSUED FOR BUILDING PERMIT | JUL 24 2024 |
| 6 | ISSUED FOR TENDER | JUL 17 2024 |
| 5 | ISSUED FOR TENDER | JUN 20 2024 |
| 4 | ISSUED FOR BUILDING PERMIT | JUN 7 2024 |
| 3 | ISSUED FOR BUILDING PERMIT | APR 18 2024 |
| 2 | ISSUED TO ROP | MAR 28 2024 |
| 1 | ISSUED FOR BUILDING PERMIT | MAR 22 2024 |

Drawings are NOT to be scaled. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORTHWITH WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANT.

Topographic data shown on this plan has been derived from Nanfaro & Co. Inc. dated 2023/10/19
Ref No: 2022107811

Bench Mark: Elevations are geodetic and referred to City of Mississauga vertical control monument NO 344, having an elevation of 120.223 metres.

Note: Bearings are UTM grid, Zone 17, NAD83(CRS) (2011) and are derived from the observed reference points GPR1 and GPR2 as determined by LEICA networks GPS static observations.

FIRE STATION 124

CITY FILE # BP 3N4V 24-1519
REGION FILE # C604035
2524 CATHARA ROAD,
MISSISSAUGA, ON

MISSISSAUGA

MGM CONSULTING INC.
Consulting Engineering & Project Management
565 Industrial Drive
Mississauga, ON L4T 1S1
Tel: (905) 875-4875
Fax: (905) 875-3338
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EROSION & SEDIMENT CONTROL AND REMOVAL PLAN

HOSSACK & ASSOCIATES ARCHITECTS

2150 DAVENPORT DRIVE
MISSISSAUGA, ONTARIO L4M 4M8
Tel: (905) 607-8284 Fax: (905) 607-8290

SCALE PROJECT 1:200

DATE JAN 24 2024

DRAWN DU

CHECKED CS

PROJECT 2024-001

DRAWING CV-1



Structural Addendum #1

1.0 REFERENCE STRUCTURAL DRAWING S1-01 (RE-ISSUED)

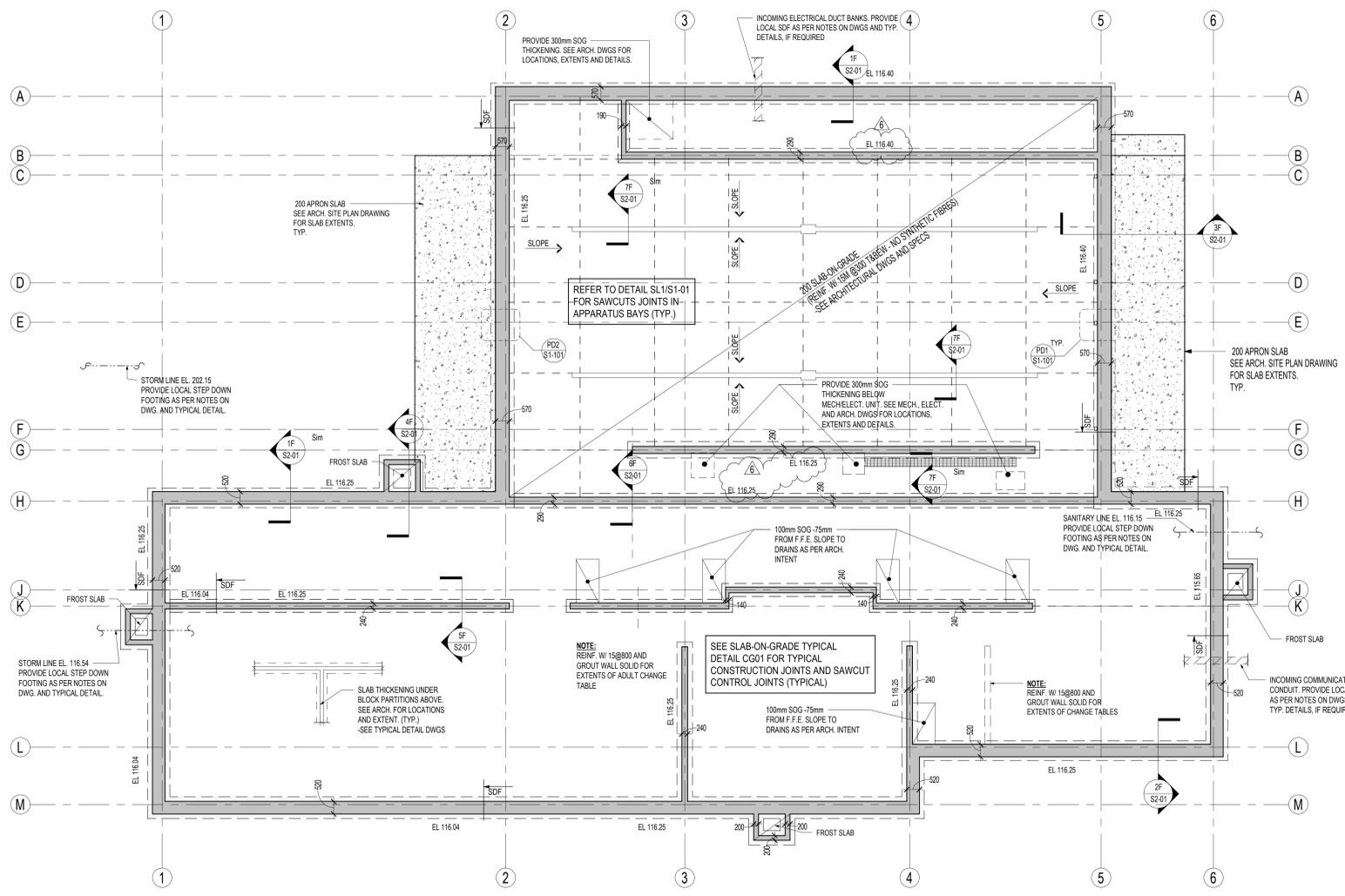
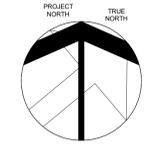
.1 Footing elevations added/clarified. See Clouded Areas

2.0 REFERENCE STRUCTURAL DRAWING S2-01 (RE-ISSUED)

.1 Section 1F edited to note 'See Plan' for foundation wall width. See clouded area.

.2 Retaining wall section added to plan. See Clouded Area. Coordinate all extents with Civil and/or Architectural drawings.

END OF STRUCTURAL ADDENDUM #1.



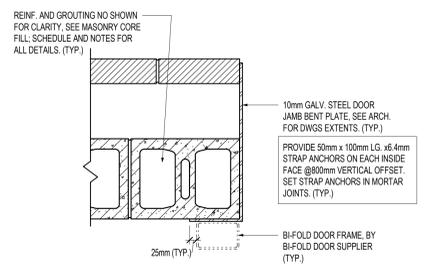
DESIGN CRITERIA NOTES

- 1. GENERAL
1.1. THE PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 OBC
1.2. RES. 33072 AS AMENDED INCLUDING CLAUSES 4.1.1(1), 4.1.4, 4.3, 4.1.1 AND 4.1.8
1.3. BUILDING IMPORTANCE CATEGORY (SNOW, WIND AND EARTHQUAKE) IS POST DISASTER
1.4. STIFF ELEMENTS NOT PART OF SFRS SHALL BE SEPARATED FROM THE STRUCTURE AS PER OBC CLAUSE 4.1.3.3 (b).
1.5. MISCELLANEOUS METAL, PRECAST AND STAR FABRICATORS SHALL:
1.5.1. PROVIDE SHOP DRAWINGS TO THE ARCHITECT PRIOR TO FABRICATION, STAMPED, SIGNED AND DATED BY A PROFESSIONAL ENGINEER
1.5.2. DESIGN ALL GUARDS TO MEET LATERAL LOADS DESCRIBED IN OBC 4.1.5.14
1.5.3. DESIGN ALL HANDRAILS TO MEET LOADS DESCRIBED IN OBC 4.1.6(2)
1.5.4. DESIGN ALL STAIRS TO SUPPORT A MINIMUM LIVE LOAD OF 4.8kPa
1.6. ARCHITECTURAL PRECAST FABRICATOR SHALL:
1.6.1. PROVIDE SHOP DRAWINGS TO THE ARCHITECT PRIOR TO FABRICATION, STAMPED, SIGNED AND DATED BY A PROFESSIONAL ENGINEER
1.6.2. WHERE PRECAST IS USED AS A GUARD DESIGN THE PRECAST AND CONNECTIONS TO MEET LATERAL LOADS DESCRIBED IN OBC 4.1.5.14
2. LATERAL LOADS ON STRUCTURE
2.1. WIND
q(150) = 0.44kPa
Ce = (H/10)^1/5 NOT LESS THAN 0.9
Cq = 2.3
Cp = AS PER FIGURE 4.1.7.6.4 OF NBC 2015
2.2. SNOW
Se = 1.1 kPa
Sr = 0.4 kPa
2.3. EARTHQUAKE
Sd(0.2) = 0.219 PGA = 0.141 Fg = 1.00
Sd(0.5) = 0.115 SITE CLASS = C Fg = 1.00
Sd(1.0) = 0.058 Rg = 2.0 W = 220mm^3
Sd(2.0) = 0.028 Rg = 1.3 Wf = 0.20
SFRS CONSISTS OF MODERATELY DUCTILE MASONRY SHEAR WALLS AND LIMITED DUCTILITY CONCENTRICALLY BRACED FRAMES.
METHOD OF ANALYSIS - STATIC
3. FOUNDATION WALLS
3.1. WALLS RETAINING EARTH ARE DESIGNED TO SAFELY WITHSTAND HORIZONTAL EARTH PRESSURE
(Pk (Wt+q)
K = 4.31
Wl = 220mm^3
q = 120Pa
h = DEPTH IN METRES
3.2. THE WALLS HAVE BEEN DESIGNED ASSUMING FREE DRAINING BACKFILL OR THE USE OF A DRAINAGE CORE TO PREVENT THE BUILD-UP OF HYDROSTATIC PRESSURE.

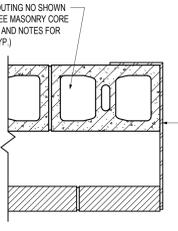
CONCRETE MIX SCHEDULE

Table with columns: EXPOSURE, ELEMENT, MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (MPa), EXPOSURE CLASSIFICATION, NOTES. Includes rows for GENERAL NON-EXPOSED CONCRETE, EXTERIOR EXPOSED CONCRETE, PARKING AREAS, and GROUT.

LOWER ELEVATIONS AT UNDERSIDE OF COLUMN AND WALL FOOTINGS, WHERE REQUIRED, BUT NOT LIMITED TO SUIT STORM / SANITARY, WATER / FIRE LINES AND ELECTRICAL DUCT BANKS. THE MAXIMUM SLOPE FROM THE PIPE EXCAVATION TO THE UNDERSIDE OF ADJACENT FOOTING ELEVATIONS SHALL NOT EXCEED 7 VERTICAL TO 10 HORIZONTAL.

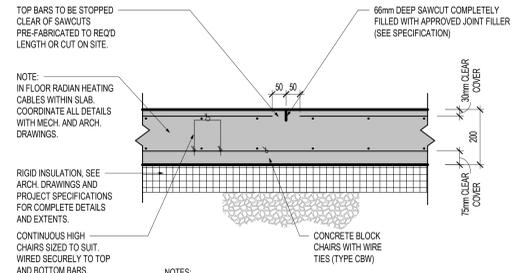


PD1 PLAN DETAIL 1:10



PD2 PLAN DETAIL 1:10

- FOUNDATION PLAN 1:100
1. TOP OF SLAB - ON - GRADE TO BE 0.0 BELOW FINISHED FLOOR DATUM ELEVATION 118.15m EXCEPT AS NOTED. TOS = TOP OF SLAB
2. FOOTINGS SHALL BEAR ON NATIVE UNDISTURBED, VERY STIFF TO HARD SILTY CLAY SOIL CAPABLE OF SUSTAINING A MINIMUM OF 175 kPa (SL) AND 250 kPa (UL)
3. REFER TO THE SOIL REPORT 12581540 (3) DATED 20 MARCH 2024 PREPARED BY GHD
4. SOIL AT THE UNDERSIDE OF THE FOOTINGS IS TO BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF A SOILS CONSULTANT BEFORE PLACING CONCRETE
5. REFER ALSO TO SITE PREPARATION NOTES ON THIS DRAWING
6. CO-ORDINATE ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO PROCEEDING WITH ANY WORK
7. UNDERSIDE OF WALL FOOTINGS TO BE AT ELEVATIONS AS NOTED ON PLAN
8. SDF = STEP DOWN FOOTING
9. UNLESS OTHERWISE SHOWN, ALL WALL FOOTINGS TO BE 300mm DEEP WITH 150mm PROJECTIONS EACH SIDE
10. FILL REQUIRED ON BOTH SIDES OF FOUNDATION WALLS SHALL BE PLACED AND COMPACTED SIMULTANEOUSLY ON EACH SIDE TO EQUALIZE SOIL PRESSURE
11. PROVIDE SLAB DEPRESSIONS AND SLOPES, OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS, AS REQUIRED BY THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS
12. THE PROJECT SUPERINTENDENT MUST CONTACT THIS OFFICE 24 HOURS PRIOR TO PLACING STRUCTURAL CONCRETE INCLUDING STRIP FOOTINGS
13. GENERAL SLAB - ON - GRADE IS 100mm THICK REINFORCED WITH SYNTHETIC FIBRES (REFER TO CONCRETE SPECIFICATION), EXCEPT AS NOTED
14. CONCRETE STRENGTHS - SEE CONCRETE SCHEDULE
15. SEE TYPICAL NOTES, TYPICAL DETAILS, AND ALL OTHER DRAWINGS
16. IF THE FOOTING CONCRETE OR THE SUBEXCAVATION BACKFILL IS NOT PLACED WITHIN FOUR HOURS, A CONCRETE WORKING SLAB HAVING A MINIMUM THICKNESS OF 100mm AND A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 20 MPa, SHALL BE PLACED IN THE EXCAVATION WITHIN FOUR HOURS OF EXPOSURE OF THE FOUNDING LEVEL TO PROTECT THE INTEGRITY OF THE SUBGRADE.



SL1 - APPARATUS BAY CONTROL JOINT 1:10

Table with columns: NO., DESCRIPTION, DATE. Includes entries for structural addendum, tender, coordination, permit, and 50% CD.

THE CONTRACTOR SHALL CHECK ALL DIMENSIONS WITH THE LATEST ISSUE OF ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.



FIRE STATION 124- MISSISSAUGA FIRE & EMERGENCY SERVICES PC004616 - Construction Services for New Fire Station 124

LEGAL DESCRIPTION: PART OF LOT 11, CONCESSION 1, SOUTH OF DUNDAS STREET, CITY OF MISSISSAUGA, REGIONAL MUNICIPALITY OF PEELE

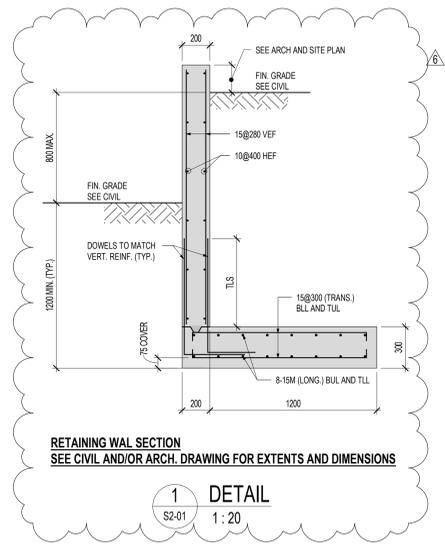
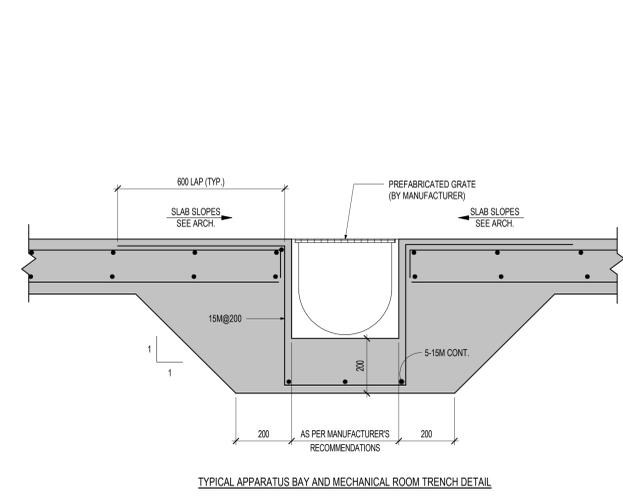
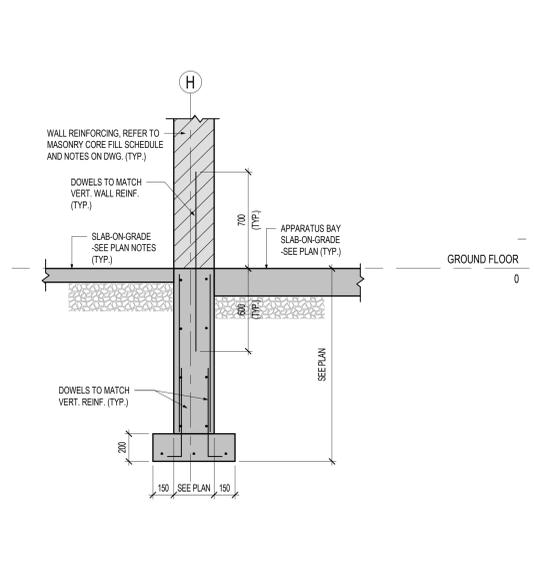
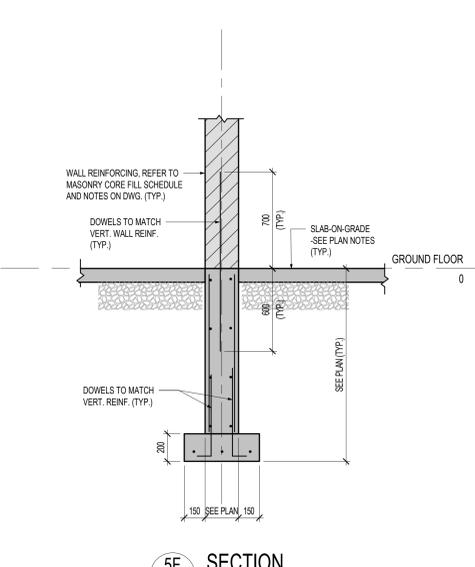
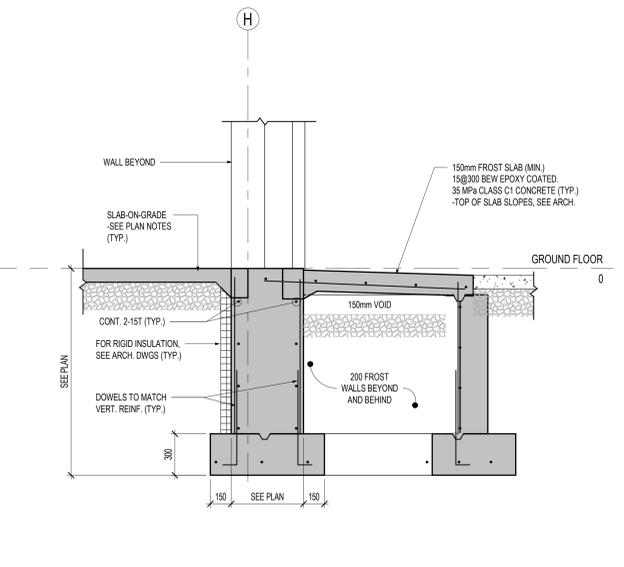
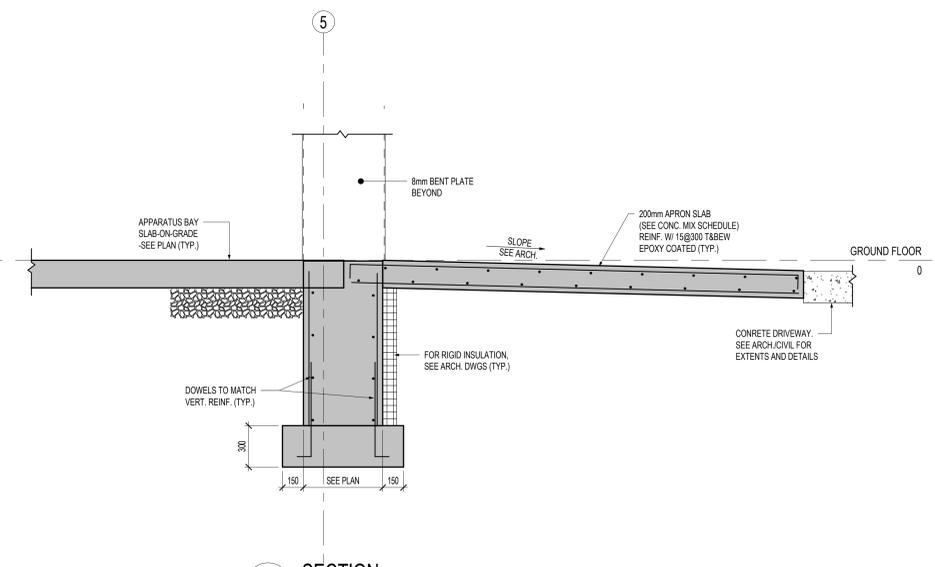
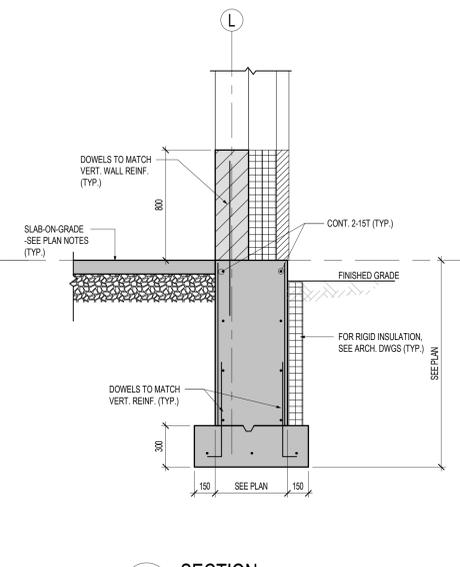
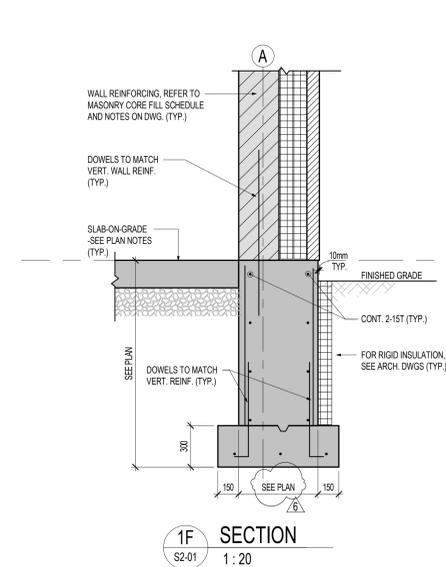


FOUNDATION PLAN

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5
Stephenson Engineering, a company of Salas O'Brien

Table with columns: SCALE, PROJECT, DATE, ISSUE DATE, DRAWING, CHECKED, PRINT DATE, REVIT FILE. Includes project number 20230463 and drawing number S1-01.

| WALL THICKNESS (mm) | NOMINAL WALL REINFORCEMENT | |
|---------------------|----------------------------|-------------------|
| | HORIZONTAL | VERTICAL |
| ≤ 150 | 10@300 (CENTERED) | 10@400 (CENTERED) |
| ≤ 200 | 10@400 HEF | 10@400 VEF |
| ≤ 250 | 10@300 HEF | 10@400 VEF |
| ≤ 300 | 10@300 HEF | 10@300 VEF |
| ≤ 350 | 10@340 HEF | 10@300 VEF |
| ≤ 400 | 10@340 HEF | 10@300 VEF |
| ≤ 450 | 15@400 HEF | 10@300 VEF |
| ≤ 500 | 15@400 HEF | 15@400 VEF |
| ≤ 600 | 15@300 HEF | 15@400 VEF |



| NO. | DESCRIPTION | DATE |
|-----|------------------------------|-------------|
| 1 | ISSUED FOR TENDER | SEP 19, 24 |
| 2 | ISSUED FOR 100% COORDINATION | JUNE 26, 24 |
| 3 | ISSUED FOR PERMIT | MAR 22, 24 |
| 4 | ISSUED FOR 50% CD | FEB 24, 20 |



FIRE STATION 124- MISSISSAUGA FIRE & EMERGENCY SERVICES
PRC004616 - Construction Services for New Fire Station 124

LEGAL DESCRIPTION:
PART OF LOT 11, CONCESSION 1, SOUTH OF DUNDAS STREET, CITY OF MISSISSAUGA, REGIONAL MUNICIPALITY OF PEEI



FOUNDATION SECTIONS

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

| | | | |
|------------|-----------------------|------------|---------------------------|
| SCALE | As indicated | PROJECT | 20230463 |
| DATE | Issue Date | DRAWING | S2-01 |
| DRAWN | Author | CHECKED | Checker |
| PRINT DATE | 2024-09-17 3:33:48 PM | REVIT FILE | T:\2023\2311602\Revit\RV1 |