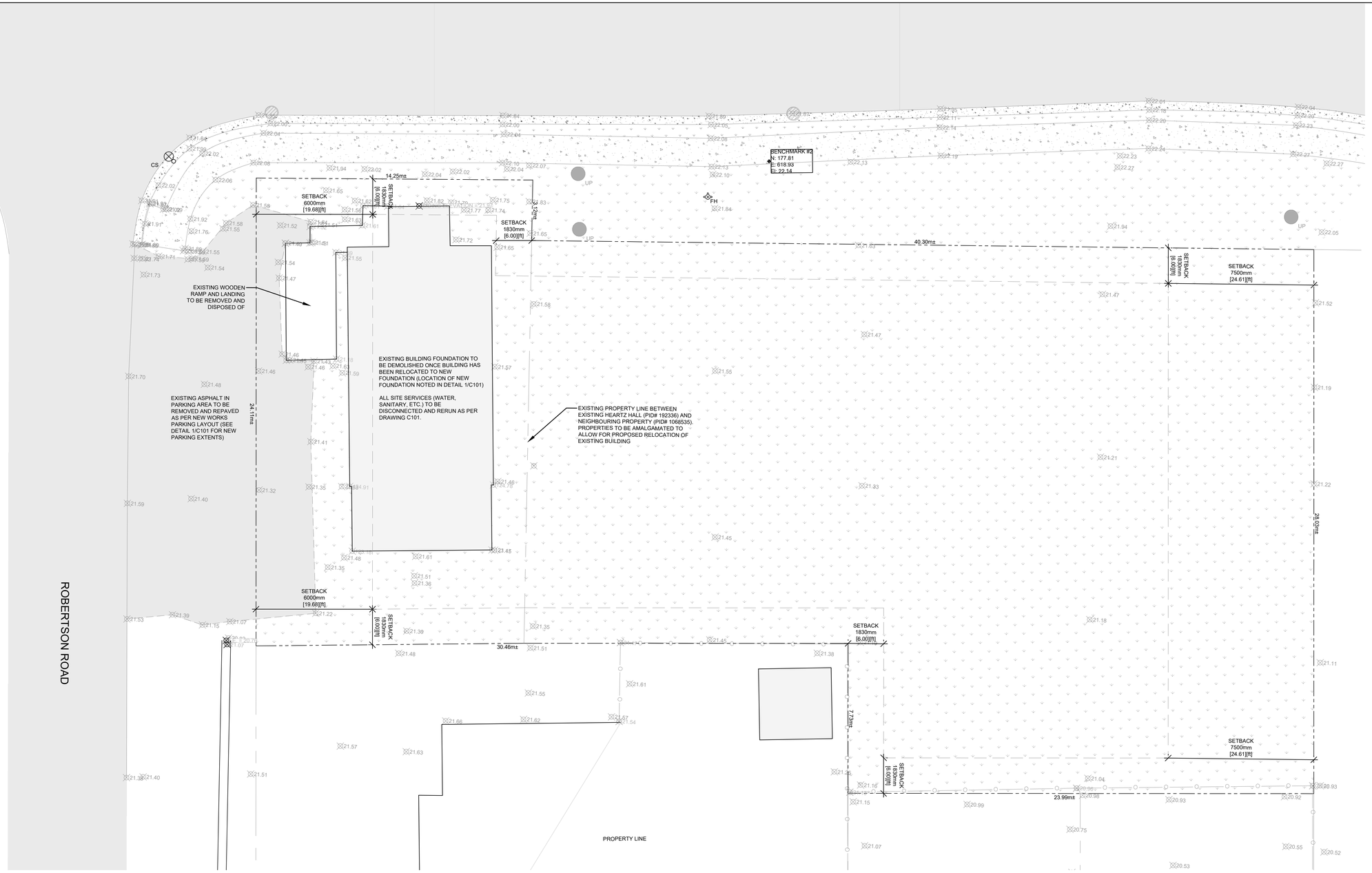


1 / C1-100 PLAN: EXISTING SITE & DEMOLITION

1:100

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada, C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER — Province of Prince Edward Island — Nazmi Lawen 344 — 22 March 2024 — Date

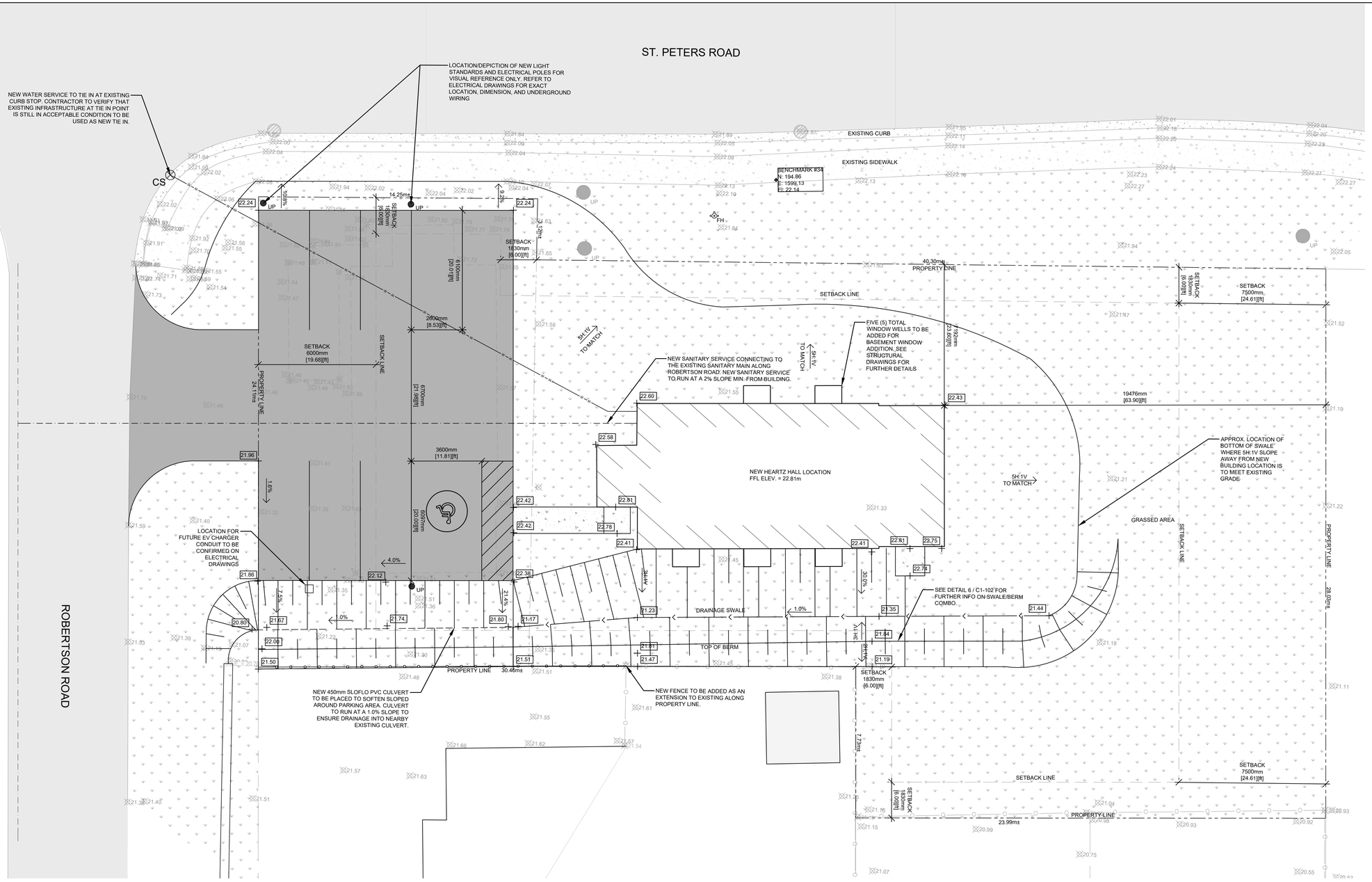
Client: City of Charlottetown

Project Title: Heartz Hall Building Upgrades

Sheet Title: Demolition Plan

No.	Description	Date
1	Issued for Tender	2024-03-22

Date: 2024-03-22
Drn By: MK, EIT
Chk By: NL, P.Eng
Revision: 0
Project Number: 231058
Drawing Number: C1-100



LEGEND

- PROPERTY LINE
- PROPERTY SETBACK LINE
- EXISTING EDGE OF ASPHALT
- EXISTING ASPHALT
- EXISTING BUILDING
- NEW BUILDING
- NEW EDGE OF ASPHALT
- NEW ASPHALT
- EXISTING DOMESTIC WATER LINE
- EXISTING DOMESTIC SANITARY LINE
- EXISTING DOMESTIC STORM WATER LINE
- NEW DOMESTIC WATER LINE
- NEW DOMESTIC SANITARY LINE
- NEW DOMESTIC STORM WATER LINE
- DRAINAGE SWALE
- EXISTING FENCE
- NEW FENCE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING POWER POLE
- NEW POWER POLE/LIGHT STANDARD
- EXISTING CURB STOP
- FIRE HYDRANT

TRUE NORTH

1 / C1-101 PLAN: NEW WORKS
1:100

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada, C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER — Nicole Lawson — 344 — 22 MARCH 2024 — PROVINCE OF PRINCE EDWARD ISLAND

Client: City of Charlottetown

Project Title: Heartz Hall Building Upgrades

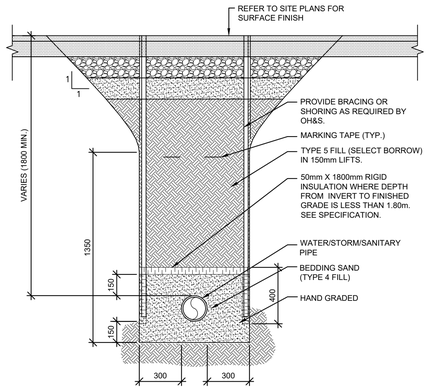
Sheet Title: New Works Plan

No.	Description	Date
1	Issued for Tender	2024-03-22

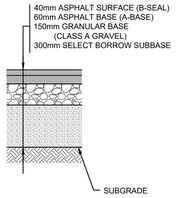
Date: 2024-03-22
Drn By: MK, EIT
Chk By: NL, P.Eng
Revision: 0
Project Number: 231058
Drawing Number: C1-101

NOTE:
1. USE BRACING SHIELD FOR TRENCHES WITHIN ROADWAYS TO REDUCE EXCAVATION WIDTH AND ASPHALT REPLACEMENT. ALL ASPHALT TO BE SAWCUT TO A DEPTH OF 125mm MIN. PRIOR TO EXCAVATION, WHERE APPLICABLE

2. PROVIDE CONTINUOUS 2x6 PRESSURE TREATED WOOD MARKER (PAINTED ORANGE) LAYING FLAT AND BARRIED 300mm ABOVE ALL WELL PIPING AND SEWER LINES LOCATED SOUTH OF BUILDING STRUCTURE (TYP.)



1 C1-102 SECTION: TYPICAL TRENCH
N.T.S



PARKING LOT

REMOVE ROOTMAT/TOPSOIL LAYER AND CUTTING AS REQUIRED TO FACILITATE REQUIRED ASPHALT STRUCTURE. PROOF ROLL WITH A LOADED TANDEM TRUCK AND REMOVE ANY SOFT OF DEFORMABLE MATERIALS. PROVIDE STRUCTURAL FILL TO BRING BACK UP TO REQUIRED SUB-GRADE LEVEL.

CONTRACTOR TO REMOVE ANY UNSUITABLE MATERIAL AS PER GEOTECHNICAL AND REPLACE WITH STRUCTURAL FILL.

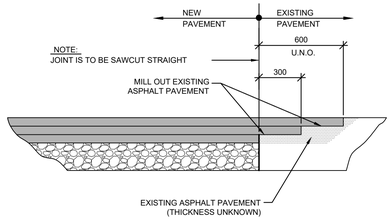
2 C1-102 ASPHALT PAVEMENT SCHEDULE
N.T.S

ENVIRONMENTAL PROTECTION NOTES:

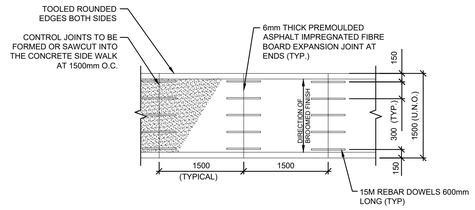
1. INSTALLATION OF ENVIRONMENTAL CONTROLS SHALL BE A FIRST STEP IN THE CONSTRUCTION SEQUENCE, THEIR DESIGN, INSTALLATION AND MAINTENANCE SHALL BE AS PER PEI DOT & PW'S ENVIRONMENTAL PROTECTION PLAN, SECTION 7.0 AND PROJECT SPECIFICATIONS.
2. CONSTRUCT AND INSTALL AT TOE OF SLOPE AROUND PERIMETER OF ALL TEMPORARY AND PERMANENT CONSTRUCTION AREAS INCLUDING AROUND STOCKPILES OF FILL SILT FENCES & EROSION CONTROL DEVICES. ALL ENVIRONMENTAL CONTROLS (E.G. SILT FENCING, CHECK DAMS, SEDIMENT COLLECTION PONDS, ETC.) SHALL BE IN PLACE PRIOR TO, DURING AND AFTER PROJECT ACTIVITIES TO AVOID OFFSITE SILTATION.
3. ENSURE THAT ALL SILT FENCES ARE IN PLACE AND MAINTAINED ON A DAILY BASIS TO PREVENT SEDIMENTS FROM THE WORK AREAS FROM ENTERING ANY WATER COURSE OR CATCH BASINS. MAINTAIN FENCE AT ALL TIMES AND REPLACE IF DAMAGED. REMOVE ACCUMULATED SEDIMENTS TO PREVENT BLOCKAGE OF FENCES AND DAMS OR AS DIRECTED BY CONSULTANT. REMOVE AND REPLACE EROSION CONTROL STRUCTURES WHEN THEY BECOME CLOGGED WITH SOIL PARTICLES OR AS DIRECTED BY ENGINEER REPAIR ALL DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION ACTIVITIES AT OR BEFORE THE END OF EACH WORKING DAY.
4. INSTALL SEDIMENT COLLECTION POND AT END OF THE OUTFALL & AT THE END OF THE DITCHES TO FILTER SEDIMENT FROM SURFACE RUNOFF BEFORE IT IS DISCHARGED TO WATERCOURSE.
5. ENSURE THAT RUNOFF IS DIRECTED THROUGH SEDIMENT COLLECTION PONDS.
6. DO NOT DISTURB EXISTING VEGETATION ANY MORE THAN NECESSARY TO COMPLETE EACH PHASE OF THE PROJECT.
7. INSTALL A LAYER OF MULCH OR AN EROSION CONTROL BLANKET TO ALL EXPOSED SLOPES THAT IS NOT IMMEDIATELY UNDER CONSTRUCTION APPLIED AND MAINTAINED UNTIL THE AREA IS READY TO BE COMPLETED, SHAPED AND STABILIZED WITH SEEDING, SOD OR RIP-RAP.
8. APPLY GRAVEL TO THE ROADWAY BED AS SOON AS POSSIBLE.
9. SEED/SOD ALL EXPOSED AND BARREN SOIL AS SOON AS POSSIBLE.
10. THIS PROJECT MUST COMPLY WITH THE REQUIREMENTS OF THE PEI DEPARTMENT OF ENVIRONMENT CERTIFICATE OF APPROVAL AND OTHER APPLICABLE PERMITS.
11. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH PEI OCCUPATIONAL HEALTH & SAFETY ACT, FEDERAL, PROVINCIAL & MUNICIPAL BY-LAWS & REGULATIONS.
12. ENVIRONMENTAL PROTECTION MEASURES SHALL BE CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT &, AUTHORITIES HAVING JURISDICTION AND THE COST OF ALL THESE DEVICES & MEASURES SHALL BE INCLUDED IN THE CONTRACT PRICE.
13. REPORT ANY DOUBTFUL CONDITIONS REQUIRING DECISIONS & SECURE DIRECTIONS FROM THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
14. THE CONTRACTOR IS TO HAVE ON HAND, THE APPROPRIATE EMERGENCY RESPONSE PHONE NUMBERS AND CONTACTS TO ALERT THE APPROPRIATE AUTHORITIES OF POSSIBLE CONTAMINATION SHOULD A SPILL OCCUR.

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THIS WORK AND COOPERATE WITH THE OWNER AND AGENCIES HAVING JURISDICTION.
2. CONTRACTOR MUST VISIT THE SITE PRIOR TO CONSTRUCTION AND BE FAMILIAR WITH EXISTING CONDITIONS.
3. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
4. ALL DIMENSIONS AND ELEVATIONS ARE IN METRIC UNITS U.N.O.
5. SURVEY DATA AND EXISTING TOPOGRAPHIC INFORMATION HAS BEEN DETERMINED AND PROVIDED BY MORRIS GEOMATICS & ENGINEERING LTD. ON MAY 25, 2023.
6. ELEVATIONS ARE DERIVED FROM STATIC / RTK GNSS OBSERVATIONS ON THE SITE BENCHMARK, USING GEOID MODEL CGG 2013. SITE BENCHMARKS CONSISTING OF $\frac{3}{4}$" IRON BARS HAVE BEEN ESTABLISHED AS PART OF THIS SURVEY AND ARE TO BE REFERENCED FOR ANY CONSTRUCTION ACTIVITIES BASED ON THE SURVEY ELEVATIONS PROVIDED ON THIS DRAWING
7. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES AND SERVICES (SHOWN OR NOT SHOWN ON DRAWINGS) IN THE FIELD WITHIN THE CONTRACT LIMIT. INFORMATION SHOWN ON PLANS IS APPROXIMATE ONLY.
8. UNDERGROUND WATER, SEWER, TELEPHONE AND POWER SERVICES EXIST BENEATH THE SITE. EXERCISE CAUTION IN EXCAVATION AND PROTECT FACILITIES FROM DAMAGE. CONTRACTOR TO REPAIR DAMAGES AT NO COST TO THE OWNER. WORK SHALL BE CARRIED OUT TO THE SATISFACTION OF THESE AUTHORITIES. CONTACT UTILITIES BEFORE EXCAVATING.
9. PRIOR TO CONSTRUCTION, CONTRACTOR MUST REVIEW THE DEPTH OF ALL NEW UNDERGROUND SERVICES AND ADJUST DEPTH OF ALL SERVICES INCLUDING WATER, SANITARY SEWER, STORM SEWER, U/G ELECTRICAL & COMMUNICATION, WHERE INTERFERENCE OCCURS. ADVISE & OBTAIN APPROVAL FROM CONSULTANT BEFORE PROCEEDING WITH ANY CHANGES. COSTS ASSOCIATED WITH THIS TO BE INCLUDED IN TENDER PRICE.
10. THE CONTRACTOR TO INCLUDE IN THE CONTRACT PRICE COSTS ASSOCIATED WITH OVER EXCAVATION, BACKFILLING AND REINSTATEMENT DUE TO POSSIBLE MISALIGNED EXISTING UNDERGROUND SERVICES.
11. PERFORM WORK AND COMPLY WITH ALL FEDERAL, PROVINCIAL AND MUNICIPAL BY-LAWS AND REGULATIONS.
12. CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY, INSTALLATION & TESTING FOR ANY ADDITIONAL MATERIALS & EQUIPMENT NOT SPECIFIED OR INDICATED ON THE DRAWINGS TO COMPLETE WORK ENSURING THAT ALL SYSTEMS ARE FULLY OPERATIONAL AND MEETING THE FUNCTIONAL REQUIREMENT OF THIS PROJECT.
13. CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND TESTING OF ALL PIPES AND APPURTENANCES AS PER APPLICABLE STANDARDS & AS REQUIRED BY REGULATIONS FOR A COMPLETE OPERATIONAL SYSTEM.
14. REPAIR & REINSTATE DISTURBED ASPHALT, GRAVELED, GRASSED & LANDSCAPED AREAS, ETC., DAMAGED BY WORK OF CONTRACT INCLUDING ALL AREAS IMPACTED BEYOND LIMIT OF CONTRACT.
15. ADJUST TOP OF ALL CB & MH COVERS, WATER VALVES, CURB STOPS, AND ANY UTILITIES AFFECTED BY THE WORK OF THIS CONTRACT AND NECESSARY BY THE CONSULTANT/OWNER TO SATISFY SITE CONDITIONS.
16. AT ANY LOCATIONS WHERE NEW STORM PIPING OR DITCHING CROSSES EXISTING WATER MAIN, CONTRACTOR IS TO PROVIDE 50mm RIGID INSULATION ABOVE WATER MAIN.

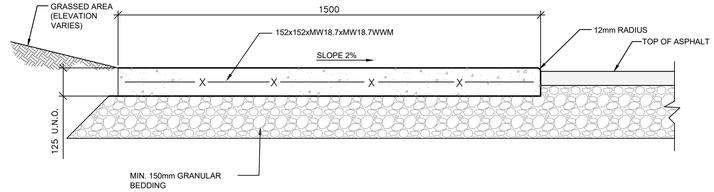


3 C1-102 ASPHALT PAVEMENT DETAIL
JOINT AT EXISTING / NEW
N.T.S

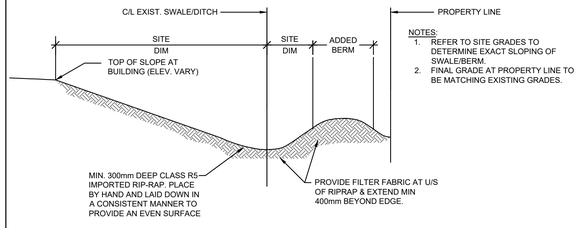


4 C1-102 PLAN: CONCRETE SIDEWALK
N.T.S

EDGE OF SIDEWALK TO BE FLUSH WITH ASPHALT TO ENSURE BARRIER-FREE ENTRY AT ALL POINTS



5 C1-102 SECTION: CONCRETE SIDEWALK
N.T.S



6 C1-102 DETAIL - STORM SEWER DITCH C/W BERM
N.T.S

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada, C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER
CERTIFICATE OF AUTHORIZATION
PROVINCE OF PRINCE EDWARD ISLAND
Naomi Lawen
344
22 MARCH 2024
DATE
PROVINCE OF PRINCE EDWARD ISLAND

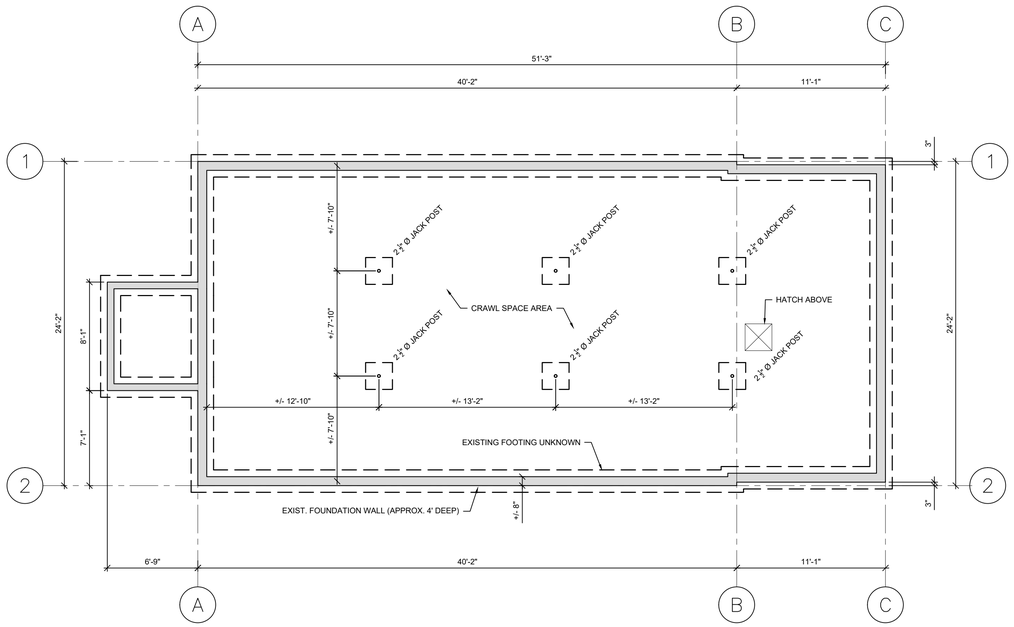
Client: City of Charlottetown

Project Title: Heartz Hall Building Upgrades

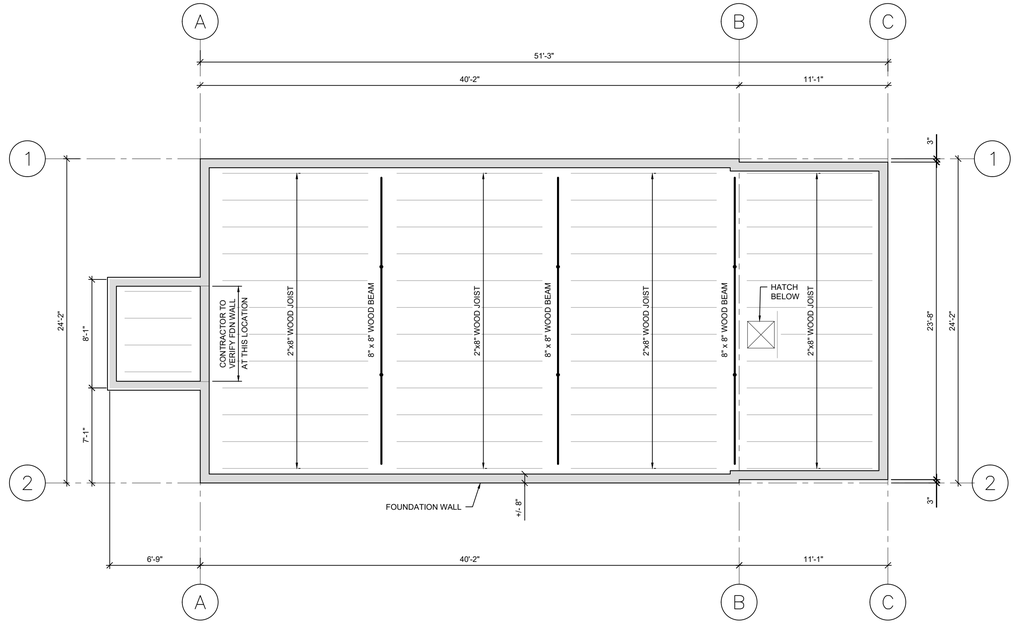
Sheet Title: Details & Notes

No.	Description	Date
1	Issued for Tender	2024-03-22

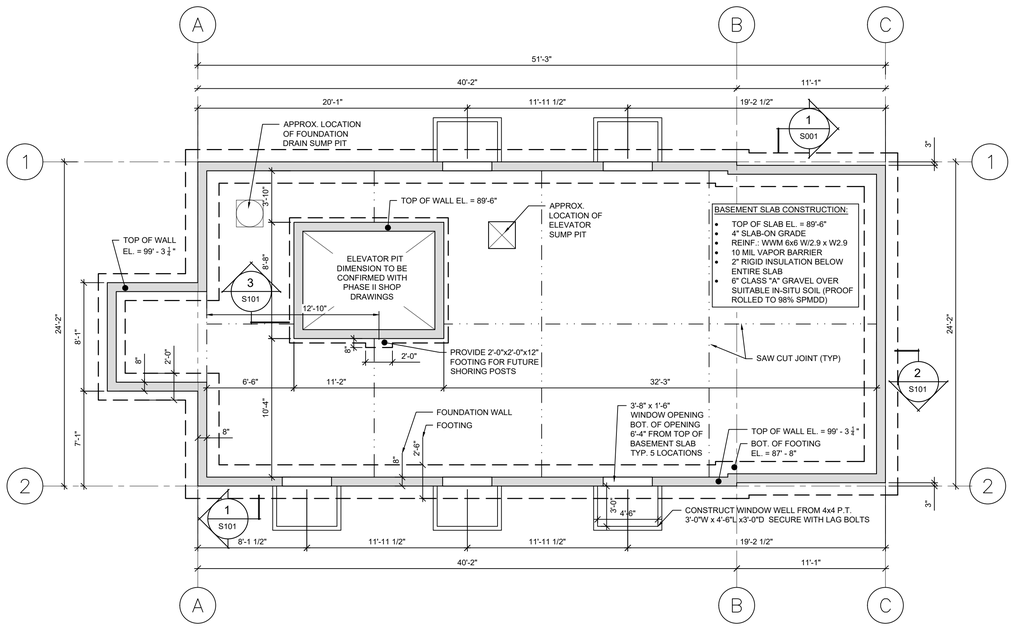
Date: 2024-03-22
Drn By: MK, EIT
Chk By: NL, P.Eng
Revision: 0
Project Number: 231058
Drawing Number: C1-102



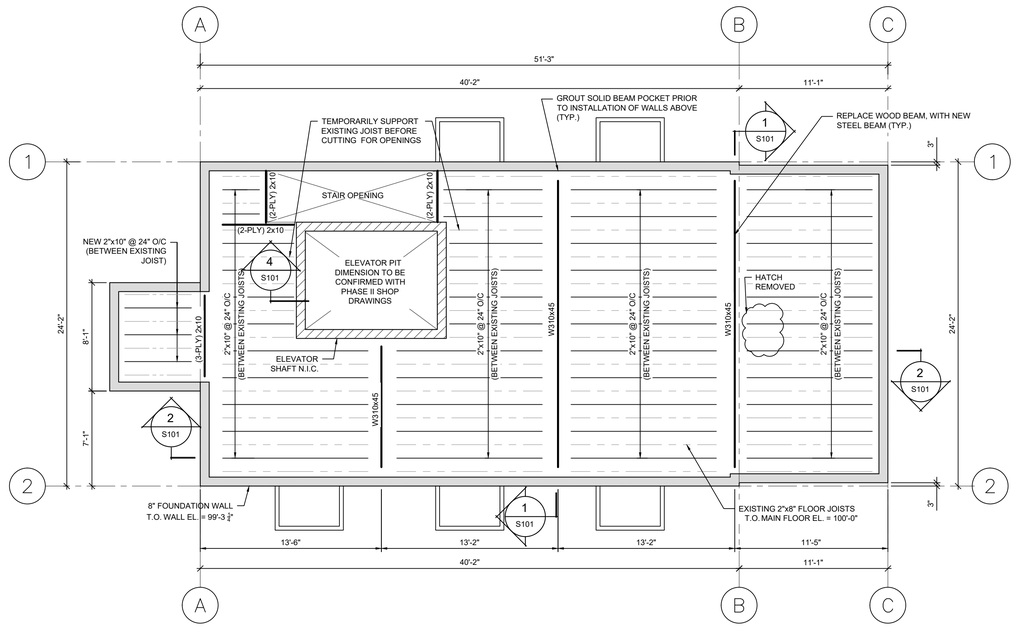
1 / S1-100 PLAN - EXISTING FOUNDATION PLAN
3/16" = 1'-0"



2 / S1-100 PLAN - EXISTING MAIN LEVEL FRAMING
3/16" = 1'-0"



3 / S1-100 PLAN - NEW FOUNDATION PLAN
3/16" = 1'-0"



4 / S1-100 PLAN - NEW MAIN LEVEL FRAMING
3/16" = 1'-0"

COLES
Architecture + Engineering + Project Management

Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada,
C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER — PROVINCE OF PRINCE EDWARD ISLAND — Neznil Lawen 344 — 22 MARCH 2024 — DATE

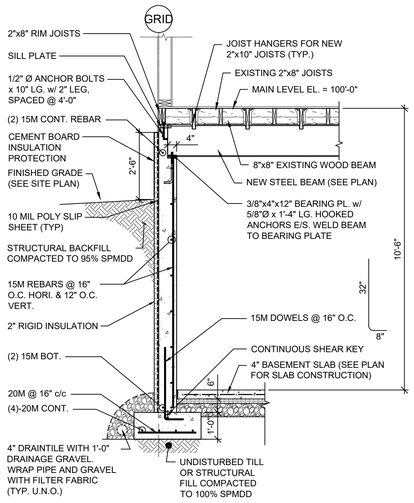
Client
City of Charlottetown

Project Title
Heartz Hall Building Upgrades
Phase I: Relocation

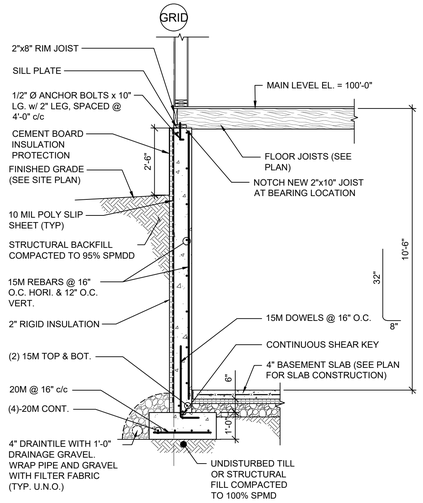
Sheet Title
Existing / New
Foundation & Main Level

No.	Description	Date
1	Issued for Tender	2024-03-22

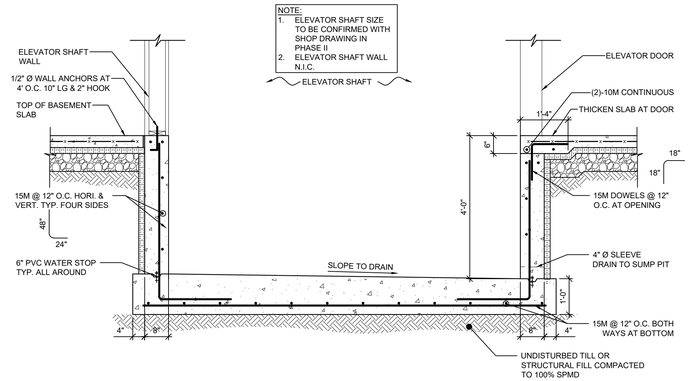
Date: 2024-03-22
Drn By: A.Y. EIT
Chk By: N.L. P.Eng
Revision: -
Project Number: 231058
Drawing Number: S1-100



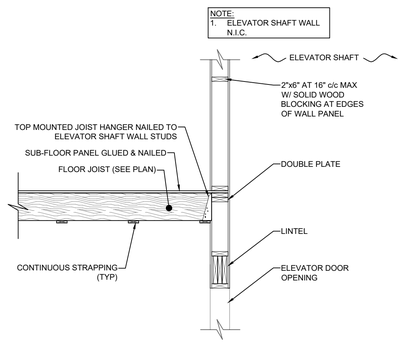
1 / S1-101 — SECTION: FOUNDATION WALL & BEAM BEARING
3/8" = 1'-0"



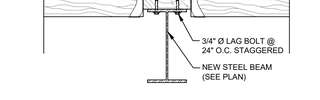
2 / S1-101 — SECTION: FOUNDATION WALL & JOIST BEARING
3/8" = 1'-0"



3 / S1-101 — SECTION: ELEVATOR SHAFT AT MANDOOR
1/2" = 1'-0"

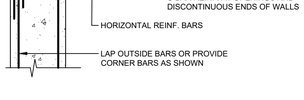


4 / S1-101 — SECTION: JOIST BEARING AT ELEVATOR SHAFT WALL
1/2"=1'-0"

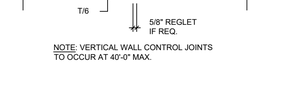


5 / S1-101 — SECTION: WOOD FLOOR JOIST TO STEEL BEAM CONNECTION
1" = 1'-0"

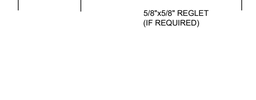
6 / S1-101 — DETAIL: VERT. WALL CONSTRUCTION JOINT (TYP.)
N.T.S.



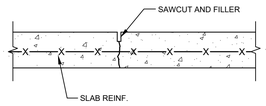
7 / S1-101 — DETAIL: HORIZ. REINFORCING AT WALL CORNERS (TYP.)
N.T.S.



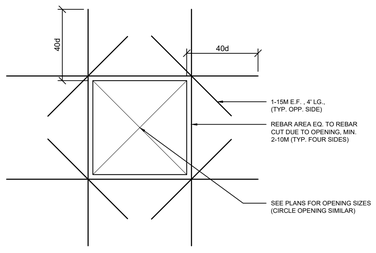
8 / S1-101 — DETAIL: WALL CONTROL JOINT (TYP.)
N.T.S.



9 / S1-101 — DETAIL: VERT. WALL CONSTRUCTION JOINT (TYP.)
N.T.S.



10 / S1-101 — SECTION: CONTROL JOINT CONCRETE SLAB (TYP.)
N.T.S.



11 / S1-101 — DETAIL: OPENINGS IN CONCRETE WALLS/SLABS
SCALE: N.T.S.

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada,
C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER — PROVINCE OF PRINCE EDWARD ISLAND — Nazrul Lawan 344 — 22 MARCH 2024 — DATE

Client: City of Charlottetown

Project Title: Heartz Hall Building Upgrades
Phase I: Relocation

Sheet Title: Sections and Details

No.	Description	Date
1	Issued for Tender	2024-03-22

Date: 2024-03-22
Drn By: A.Y. EIT
Chk By: N.L. P.Eng
Revision: -
Project Number: 231058
Drawing Number: S1-101

GENERAL NOTES:

1. THE WORK SHALL BE IN ACCORDANCE WITH NATIONAL BUILDING CODE OF CANADA (NBCC), 2015 REVISION, TO THE SATISFACTION OF THE ENGINEER UNLESS NOTED OTHERWISE ON THE DRAWING OR IN THE SPECIFICATIONS.
2. COMPLY WITH ALL ENVIRONMENTAL REGULATIONS AND PROVIDE ALL NECESSARY ENVIRONMENTAL PROTECTION INCLUDING SILT FENCES, SEDIMENT TRAPS, CHECK DAMS, DUST CONTROL, ETC. DO NOT DISPOSE OF OR BURN RUBBISH ON SITE.
3. COMPLY WITH ALL LOCAL, MUNICIPAL, AND PROVINCIAL BY-LAWS AND REGULATIONS.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH PEI OCCUPATIONAL HEALTH & SAFETY ACT, WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM AND APPLICABLE LABOR CODES.
5. CONTRACTOR RESPONSIBLE FOR ALL TEMPORARY SHORING AND LIFTING OF EXISTING STRUCTURE
6. CONTRACTOR RESPONSIBLE FOR BOARDING UP WINDOWS/OPENINGS PRIOR TO RELOCATING THE STRUCTURE.
7. CONTRACTOR TO EXERCISE EXTREME CAUTION. DESIGN AND PROVIDE ADEQUATE SUPPORT AND CONNECTIONS TO EXISTING STRUCTURES, UTILITIES AND SERVICES. MOVE, ADJUST AND RECONNECT ALL VISIBLE AND CONCEALED ITEMS AFFECTED BY THE SCOPE OF WORK.
8. CONTRACTOR MUST VISIT THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS, VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES AND SERVICES WITHIN THE CONTRACT LIMIT.
9. CONTRACTOR SHALL COORDINATE WORK AND COOPERATE WITH OWNER AND AGENCIES HAVING JURISDICTION.
10. REPORT ANY DOUBTFUL CONDITIONS REQUIRING DECISIONS AND SECURE DIRECTIONS FROM THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
11. THE GENERAL CONTRACTOR-PROJECT MANAGER SHALL COORDINATE THE CIVIL, STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
12. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
13. ALL DIMENSIONS AND ELEVATIONS ARE IN METRIC UNITS UNLESS NOTED OTHERWISE.
14. ANY ADDITIONAL LOADING SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
15. THE CONTRACTOR TO INCLUDE IN THE CONTRACT PRICE COSTS ASSOCIATED WITH OVER EXCAVATION, BACKFILLING AND REINSTATEMENT.
16. PROPERLY DISPOSE AND REMOVE OFFSITE ALL DEBRIS AND MATERIALS TO BE REMOVED.
17. PREVENT MOVEMENT OR SETTLEMENT, SAFEGUARD AND MAINTAIN INTEGRITY OF EXISTING AND ADJACENT STRUCTURES AND SERVICES.
18. REPAIR & REINSTATE DISTURBED ASPHALT PAVEMENT, GRASSED & LANDSCAPED AREAS, SIGNS, RETAINING WALLS, ETC., DAMAGED BY WORK OF CONTRACT INCLUDING ALL AREAS IMPACTED BEYOND LIMIT OF CONTRACT. TOPSOIL, SEED OR SOD ALL GRASSED SURFACES UNLESS NOTED OTHERWISE.
19. N.I.C. INDICATES NOT IN THIS CONTRACT.
20. A GEOTECHNICAL REPORT IS NOT AVAILABLE. THE CONTRACTOR SHOULD MAKE ALLOWANCES FOR A GEOTECHNICAL ENGINEER TO VISUALLY INSPECT THE SOIL AFTER INITIAL EXCAVATION AND ADVISE REGARDING THE MATERIALS SUITABILITY AS STRUCTURAL FILL.

FOUNDATION NOTES:

1. ENSURE NBCC SOIL GAS CONTROL REQUIREMENTS ARE INSTALLED.
2. FOOTINGS SHALL NOT BE PLACED ON SOIL SOFTENED BY WATER.
3. ALL FOOTINGS SHALL BE PLACED ON SOIL HAVING A SAFE BEARING PRESSURE WITH MINIMUM CAPACITY OF 150 kPa. CONTRACTOR TO RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO VISUALLY INSPECT THE SOIL CONDITIONS AFTER EXCAVATION PRIOR TO POURING NEW FOOTINGS TO CONFIRM SUFFICIENCY FOR LOADING.
4. ALL FOOTINGS SHALL HAVE A MINIMUM OF 1500mm (5'-0") FROST PROTECTION.
5. ALL FOOTINGS SHALL BE REVIEWED BY THE ENGINEER BEFORE CONCRETE IS PLACED. NOTIFY 24 HRS BEFORE PLACING CONCRETE.
6. VERIFY ALL CONCRETE FORMWORK LINES ARE LEVEL, PLUMB, SQUARE AND TRUE.
7. CONCRETE FORMWORK PLYWOOD SHEETS TO THE REQUIREMENTS OF CSA 0121. USE NEW MATERIAL, CLEAN, SOUND, FREE FROM DEFECTS DETRIMENTAL TO THE QUALITY OF FINISHED CONCRETE SURFACES. ARRANGE PLYWOOD SHEETS TO A UNIFORM JOINT PATTERN. CONSTRUCT FORMWORK TO RESIST FLUID PRESSURE FROM WET CONCRETE AND ALL OTHER CONSTRUCTION LOADINGS WITHOUT BULGING, MOVEMENT OR DISTORTION. REUSE OF FORMWORK SUBJECT TO THE REQUIREMENTS OF CSA A23.1.
8. OPENINGS IN FOUNDATION & BUILDING WALLS SHALL BE PROVIDED AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. ANY ADDITIONAL OPENINGS MUST BE APPROVED BY ENGINEER. OPENINGS SHALL BE SLEEVED, CORING SHALL NOT BE ACCEPTABLE.
9. PROVIDE MINIMUM 20mm (3/4") CHAMFER ALL EXPOSED CORNERS UNLESS NOTED OTHERWISE.
10. ALL WALL AND SLAB OPENINGS AND ENDS SHALL HAVE MINIMUM (2)-15M ALL SIDES.
11. LOCATION OF CONSTRUCTION JOINTS TO BE APPROVED BY ENGINEER BEFORE CONCRETE IS PLACED.
12. ANCHOR RODS AND EMBEDDED STEEL ITEMS WILL BE INSTALLED BY THE FOUNDATION CONTRACTOR. SET ANCHOR RODS, INSERT PLATES, SLEEVES AND OTHER MISCELLANEOUS ITEMS EMBEDDED IN CONCRETE ACCURATELY, USING TEMPLATES, TO EXACT GRADE AND LOCATION SHOWN ON PROJECT DRAWINGS OR AS DIRECTED BY ENGINEER. SECURE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. DO NOT CUT OR RELOCATE REINFORCING STEEL FOR PLACEMENT OF EMBEDDED PARTS. IF INSERTS CANNOT BE LOCATED AS SPECIFIED, OBTAIN APPROVAL OF ALL MODIFICATIONS FROM ENGINEER BEFORE PLACING.
13. ALL BASE AND BEARING PLATES TO BE GROUTED USING 50 MPa (7,200 PSI) NON-SHRINK GROUT. CURE NON-SHRINK GROUT AND PROTECT FROM FREEZING TEMPERATURES IN ACCORDANCE WITH CSA U.N.O.
14. REMOVE ALL FINS, RIDGES AND OTHER PROJECTIONS FROM CONCRETE FOUNDATION WALLS TO PROVIDE SMOOTH SURFACE USE SAND CEMENT PATCHING MORTAR 30 MPa (4400 PSI) AND FILL SURFACES AS DIRECTED.
15. THE FILL SHALL BE PLACED SIMULTANEOUSLY ON BOTH SIDES OF THE FOUNDATION WALL. PROVIDE LATERAL SUPPORT TO WALLS PRIOR TO BACKFILLING.

CONCRETE NOTES:

1. ALL CONCRETE WORK AND MATERIAL SHALL BE CARRIED OUT IN ACCORDANCE WITH LATEST CSA A23.1 AND NBCC 2015.
2. MIX DESIGN: TYPE 10 PORTLAND CEMENT.
3. FOOTINGS, PIERS AND FOUNDATION WALLS:
   a. COMPRESSIVE STRENGTH (28D): 25 MPa (3600 PSI)
   b. CLASS OF EXPOSURE: F-2
   c. NOMINAL AGGREGATE SIZE: 20mm (3/4")
   d. SLUMP: 80mm (3-1/4") ±20mm (3/4")
   e. AIR CONTENT: 4-7%
   f. WATER CEMENT RATIO: 0.5 MAX
4. INTERIOR SLABS:
   a. COMPRESSIVE STRENGTH (28D): 25 MPa (3600 PSI)
   b. CLASS OF EXPOSURE: N
   c. NOMINAL AGGREGATE SIZE: 20mm (3/4")
   d. SLUMP: 80mm (3-1/4") ±20mm (3/4")
   e. AIR CONTENT: NONE
   f. WATER CEMENT RATIO: 0.45 MAX
5. EXTERIOR SLABS:
   a. COMPRESSIVE STRENGTH (28D): 35 MPa (5000 PSI)
   b. CLASS OF EXPOSURE: C-2
   c. NOMINAL AGGREGATE SIZE: 20mm (3/4")
   d. SLUMP: 80mm (3-1/4") ±20mm (3/4")
   e. AIR CONTENT: 5-8%
   f. WATER CEMENT RATIO: 0.40 MAX
6. CONCRETE MIX DESIGN SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER MINIMUM 48 HRS PRIOR TO CASTING.
7. USE OF CALCIUM CHLORIDE IS NOT PERMITTED.
8. NO CONCRETE SHALL BE POURED WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF ENGINEER.
9. ALL CONCRETE SHALL BE TESTED, TESTING SHALL CONFORM TO CSA A23.2. RECORD TESTS FOR SLUMP, AIR CONTENT AND COMPRESSIVE STRENGTH.
10. ALL CONCRETE SHALL BE VIBRATED USING HIGH FREQUENCY VIBRATORS. VIBRATION PRACTICES TO BE IN ACCORDANCE WITH ACI 309R.
11. COLD WEATHER CONCRETE SHALL BE PLACED AND PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1 AND TO THE REQUIREMENTS OF ACI-306R. PROVIDE HEATED ENCLOSURES AND/OR INSULATED TARPS AS REQUIRED TO MAINTAIN MINIMUM 10°C CONCRETE SURFACE TEMPERATURE FOR A PERIOD OF 5 DAYS FOLLOWING CONCRETE PLACEMENT. PROVIDE CONTROLLED COOL DOWN PERIOD TO PREVENT SURFACE CRACKING AT END OF PROTECTION PERIOD. ENSURE THAT NO CONCRETE IS PLACED ON OR AGAINST FROZEN SUBGRADE, FORMWORK, OR REINFORCING STEEL.
12. LEAVE FORMWORK IN PLACE FOR THE FOLLOWING MINIMUM PERIODS OF TIME AFTER PLACING CONCRETE:
   a. 72 HR. FOR WALLS
   b. 72 HR. FOR FOOTINGS
13. APPLY CURING COMPOUND TO WALLS AND PILASTERS IF EXPOSED TO DRYING CONDITIONS PRIOR TO COMPLETION OF FULL 7 DAY MOIST CURING PERIOD. USE LIQUID MEMBRANE CONCRETE CURING COMPOUND.

REINFORCING STEEL NOTES:

1. ALL REINFORCING STEEL SHALL BE NEW BILLET TO CSA G30.18, WWM REINFORCING TO CSA G30.5.
2. MINIMUM REINFORCING STEEL YIELD STRENGTH SHALL BE 400 MPa (58 000 PSI).
3. REINFORCING STEEL SHALL BE DETAILED, CUT, BENT, FABRICATED AND PLACED IN ACCORDANCE WITH REINFORCING MANUAL OF STANDARD PRACTICE (REINFORCING STEEL INSTITUTE OF CANADA); CAN3-A23.3 AND CSA-A23.1.
4. THE GENERAL CONTRACTOR SHALL INSPECT ALL THE REINFORCING STEEL BEFORE PLACEMENT OF THE CONCRETE.
5. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO THE PLACEMENT OF THE CONCRETE.
6. THE POSITION OF ALL REINFORCING STEEL SHALL BE MAINTAINED DURING THE POURING OPERATION BY DIRECT SUPERVISION OF THE REINFORCING STEEL CONTRACTOR.
7. SUBMIT SHOP DRAWINGS STAMPED BY AN ENGINEER LICENSED TO PRACTICE IN PEI FOR REVIEW PRIOR TO FABRICATING REINFORCING STEEL. CLEARLY INDICATE BAR SIZES, SPACING, LOCATION, QUANTITY, CHAIRS, SPACERS, ETC WITH IDENTIFYING CODE MARKS TO PERMIT PLACEMENT.
8. ALL FOOTING REINFORCING SHALL CONTINUE THROUGH COLUMN FOOTINGS AND SHALL CONTINUE TO THE ENDS OF THE FOOTINGS WHERE FOOTINGS CHANGE DIRECTION OR STOP.
9. ALL WALL REINFORCING SHALL CONTINUE THROUGH PIER/COLUMN REINFORCING.
10. CONCRETE COVER (UNLESS NOTED OTHERWISE):
    a. POURED AGAINST THE GROUND: 75mm (3")
    b. FORMED SURFACE AGAINST GROUND: 50mm (2")
    c. FORMED SURFACE EXPOSED TO WEATHER: 50mm (2")
    d. FORMED SURFACE PROTECTED:
       - BEAMS: 40mm (1-1/2")
       - COLUMNS: 40mm (1-1/2")
       - WALLS: 25mm (1")
11. USE SPACERS, CHAIRS, TEMPLATES AND DIRECT SUPERVISION OF THE REINFORCING STEEL CONTRACTOR TO ACCURATELY LOCATE & SUPPORT REINFORCING STEEL & SECURE IN POSITION TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.

STRUCTURAL STEEL

1. ALL BEAMS, CHANNELS, COLUMNS, ANGLES SHALL CONFORM TO CSA-S16 & CSA-G40.20/G40.21 WITH A YIELD STRENGTH OF 350 MPa (51 000 PSI).
2. ALL STEEL SECTIONS SHALL BE CUT FROM FULL LENGTH STOCK OR ORDERED CUT TO LENGTH. UNSPECIFIED SPLICES WILL NOT BE TOLERATED AND SHALL BE CAUSE FOR REJECTION. ALL SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
3. THE STEEL ERECTOR SHALL BE RESPONSIBLE FOR SUPPLYING, ERECTING AND REMOVING ALL TEMPORARY WIND BRACING, AS REQUIRED.
4. ALL ROOF AND FLOOR OPENINGS SHALL BE COORDINATED WITH ARCH. & MECH. DRAWINGS EVEN THOUGH REQUIRED OPENINGS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
5. STEEL ERECTIONS DRAWINGS, JOISTS DESIGN AND SHOP DRAWINGS AND DECK DRAWINGS SHALL BE SUBMITTED FOR APPROVAL SHOWING THE ADDITIONAL DETAILS, WELDING, ETC., AND SHALL BE STAMPED BY A REGISTERED PROFESSIONAL ENGINEER.
6. HSS MEMBERS TO BE CAPPED WITH MIN. (1/4") 6mm THICK STEEL PLATE U.N.O.
7. PROVIDE (2) - 10mm (3/8") THICK STIFFENER PLATES WHERE BEAM IS CONTINUOUS OVER COLUMN AND WHERE COLUMN IS SUPPORTED ON BEAM (BOTH SIDES).
8. THE CONTRACTOR & STEEL ERECTOR SHALL BE RESPONSIBLE FOR SUPPLYING, ERECTING AND REMOVING ALL TEMPORARY BRACING AS REQUIRED.
9. SNOW LOAD ON ANY ROOF ADJACENT TO HIGHER ROOF OR OBSTRUCTION SHALL BE INCREASED FOR DRIFT AND BUILT UP LOADS AS PER THE 2015 NBCC.
10. FORCES INDICATED FOR BRACING & RIGID FRAMES ARE FACTORED
11. MOMENT CONNECTION SHALL HAVE 85% RESISTANT MOMENT CAPACITY OF COLUMN.
12. ALLOW IN PRICE FOR HSS HORIZONTAL GIRT OVER WINDOWS AND TOP OF GLAZING. DEPTH OF HSS TO BE AS PER DESIGN REQUIREMENTS. FINAL ELEVATION OF GIRTS TO BE DETERMINED DURING SHOP DRAWING REVIEW.

SLAB ON GRADE NOTES

1. ENSURE NBC SOIL GAS CONTROL REQUIREMENTS ARE INSTALLED.
2. SEE PLAN FOR SLAB-ON-GRADE CONSTRUCTION.
3. LOCATION OF SLAB CONSTRUCTION JOINTS TO BE APPROVED BY ENGINEER BEFORE CONCRETE IS PLACED.
4. PROVIDE 12mm (1/2") PRE-MOLDED JOINT FILLER WITH CHALKING AT ALL CONCRETE AND MASONRY THAT EXTEND BELOW TOP OF SLAB UNLESS NOTED OTHERWISE.
5. PROVIDE VAPOUR BARRIER UNDER ALL INTERIOR SLAB ON GRADES U.N.O..
6. INTERIOR CONCRETE FLOOR SLAB TO HAVE A SMOOTH STEEL TROWELLED FINISH (TO A FLAT TOLERANCE CLASSIFICATION 5mm (3/16") IN 3m (9'-0")) AS PER ENGINEER'S REQUIREMENT.
7. WET CURE SLAB-ON-GRADE FOR A MINIMUM 7 DAYS AFTER PLACEMENT OR APPLY CURING COMPOUND IMMEDIATELY AFTER COMPLETION OF SLAB FINISHING. USE MASTERCURE OR BY MASTER BUILDERS, STERNSON FLORSEAL, OR EQUIVALENT LIQUID MEMBRANE CONCRETE CURING COMPOUND.
8. COORDINATE APPLICATION OF SEALING, CURING AND HARDENING COMPOUND WITH FLOOR FINISH USING COMPATIBLE PRODUCTS. VERIFY FLOOR FINISH BEFORE APPLYING CURING/SEALING/HARDNER TO FLOOR SURFACES.
9. PROVIDE CONTROL JOINTS WITH JOINT FILLER. STANDARD OF ACCEPTANCE: MASTERFILL 300I, OR APPROVED EQUAL. INSTALL TO MANUFACTURERS INSTRUCTIONS.
10. PROVIDE WEATHER PROTECTION TO CONCRETE SLAB AND ALL CONCRETE WORK IN CONFORMANCE WITH REQUIREMENTS OF A23.1

ROUGH CARPENTRY NOTES:

1. ALL WOOD STRUCTURAL MEMBERS, ASSEMBLIES AND FASTENERS SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARD O86 (LATEST EDITION).
2. ALL LUMBER SHALL BE IDENTIFIED BY THE GRADE MARK IN ACCORDANCE WITH THE MARKING PROVISIONS OF CSA STANDARD O141.
3. ALL LUMBER SHALL BE STRUCTURAL GRADE DRY, S-P-F NO. 2 MINIMUM, MOISTURE CONTENT NOT GREATER THAN 19% AT INSTALLATION.
4. ALL PLYWOOD SHALL BE EXTERIOR GRADE DOUGLAS FIR PLYWOOD TO CSA O121 AND MANUFACTURED WITH WATERPROOF GLUE.
5. PROVIDE FULL WIDTH 38mm (1-1/2") THICK WOOD NAILER PLATE ON FLANGES OF STEEL BEAMS AS REQUIRED. SECURE WITH 12mm (1/2") DIA. BOLTS AT 610mm (24") ON CENTER STAGGERED.
6. PROVIDE GALVANIZED METAL JOIST HANGERS WHERE JOISTS NOT SUPPORTED ON WALLS OR BEAMS. SIZE ADEQUATE TO SUPPORT DESIGN LOADS.
7. ALL FASTENERS AND METAL IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR APPROVED EQUAL.
8. ALL BEARING SHALL BE CONTINUOUS TO FOUNDATION UNLESS NOTED OTHERWISE.
9. SHEATHING SHALL BE FASTENED AT 150mm (6") ON CENTER AT EDGES AND END SUPPORTS AND AT 300mm (12") CENTERS AT INTERMEDIATE SUPPORTS.
10. REQUIRED TRUSS/JOIST ANCHORS, CLIPS, HANGERS, ETC. SHALL BE DESIGNED AND SUPPLIED BY TRUSS/JOIST MANUFACTURER TO ACCOMMODATE ALL LOADS, INCLUDING UPLIFT.
11. VENTILATE AND FIRE STOP ALL SPACES TO NBCC REQUIREMENTS.

EXCAVATION

1. PROVIDE ADEQUATE PROTECTION TO ALL SURVEY AND LAYOUT MARKERS, BENCH MARKS AND EXISTING FACILITIES, EQUIPMENT, ETC..
2. EXCAVATE TO ELEVATIONS INDICATED AND TO WELL DEFINED LINES SUFFICIENT TO ALLOW INSTALLATION, CONSTRUCTION AND INSPECTION OF WORK WITH MINIMUM FILL.
3. EXCAVATIONS SHALL BE LEVEL, DRY, FREE OF LOOSE OR ORGANIC MATTER.
4. PROTECT BOTTOM OF EXCAVATION FROM SOFTENING. SOFTENED SOIL SHALL BE REMOVED AND REPLACED WITH DENSE STRUCTURAL FILL COMPACTED TO 95% OF MODIFIED PROCTOR.
5. STOCKPILE EXCAVATED MATERIAL SO AS TO NOT INTERFERE WITH SITE OPERATIONS OR DRAINAGE.
6. CORRECT UNAUTHORIZED EXCAVATION UNDER BEARING SURFACES AND OTHER AREAS WITH DENSE STRUCTURAL FILL COMPACTED TO 95% OF MODIFIED PROCTOR, AT NO EXTRA COST.
7. SOIL TESTING WILL BE CARRIED OUT BY A CERTIFIED TESTING FIRM RETAINED BY THE OWNER. COORDINATE INSPECTION AND TESTING SCHEDULES WITH TESTING FIRM.
8. UNSUITABLE MATERIAL WITHIN THE BUILDING AND EXTERIOR CONCRETE PAD SHALL BE REMOVED AND LOW AREA SHALL BE BROUGHT UP TO THE REQUIRED LEVEL USING STRUCTURAL FILL COMPACTED TO 100% SPMD.

BACKFILL

1. DO NOT COMMENCE BACKFILLING UNTIL AREAS OF WORK TO BE BACKFILLED HAVE BEEN INSPECTED & APPROVED BY THE GEOTECHNICAL ENGINEER.
2. AREAS TO BE BACKFILLED SHALL BE FREE OF DEBRIS, SNOW, ICE, WATER OR FROZEN GROUND.
3. BACKFILL ONLY WITH MATERIAL APPROVED BY THE ENGINEER IN CONTINUOUS HORIZONTAL LAYERS NOT EXCEEDING 8" LOOSE DEPTH AND COMPACT AS REQUIRED. NO BACKFILL OR FILL MATERIAL SHALL BE PLACED OVER A LAYER THAT HAS NOT BEEN TESTED AND APPROVED.
4. FIELD DENSITY TEST PROCEDURES SHALL CONFORM TO FEDEX SPECIFICATION.
5. BACKFILL SIMULTANEOUSLY EACH SIDE OF WALLS. BRACE OR SHORE TO COUNTERACT UNBALANCED PRESSURES. DO NOT REMOVE UNTIL AUTHORIZED BY THE ENGINEER.
6. IN-SITU MATERIALS SHALL BE PROOF-ROLLED PRIOR TO PLACING OF BACKFILL. QUALITY, BEARING CAPACITY AND COMPACTION OF BOTH IN-SITU AND BACKFILL MATERIALS SHALL BE FIELD CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER AT TIME OF CONSTRUCTION.
7. SEE ARCHITECTURAL FOR DAMPROOFING, VAPOR BARRIER, INSULATION AND PERIMETER DRAINAGE REQUIREMENTS.

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada,
C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER — Province of Prince Edward Island — Nazrul Lawen 344 — 22 MARCH 2024 — Date

Client: City of Charlottetown

Project Title: Heartz Hall Building Upgrades
Phase I: Relocation

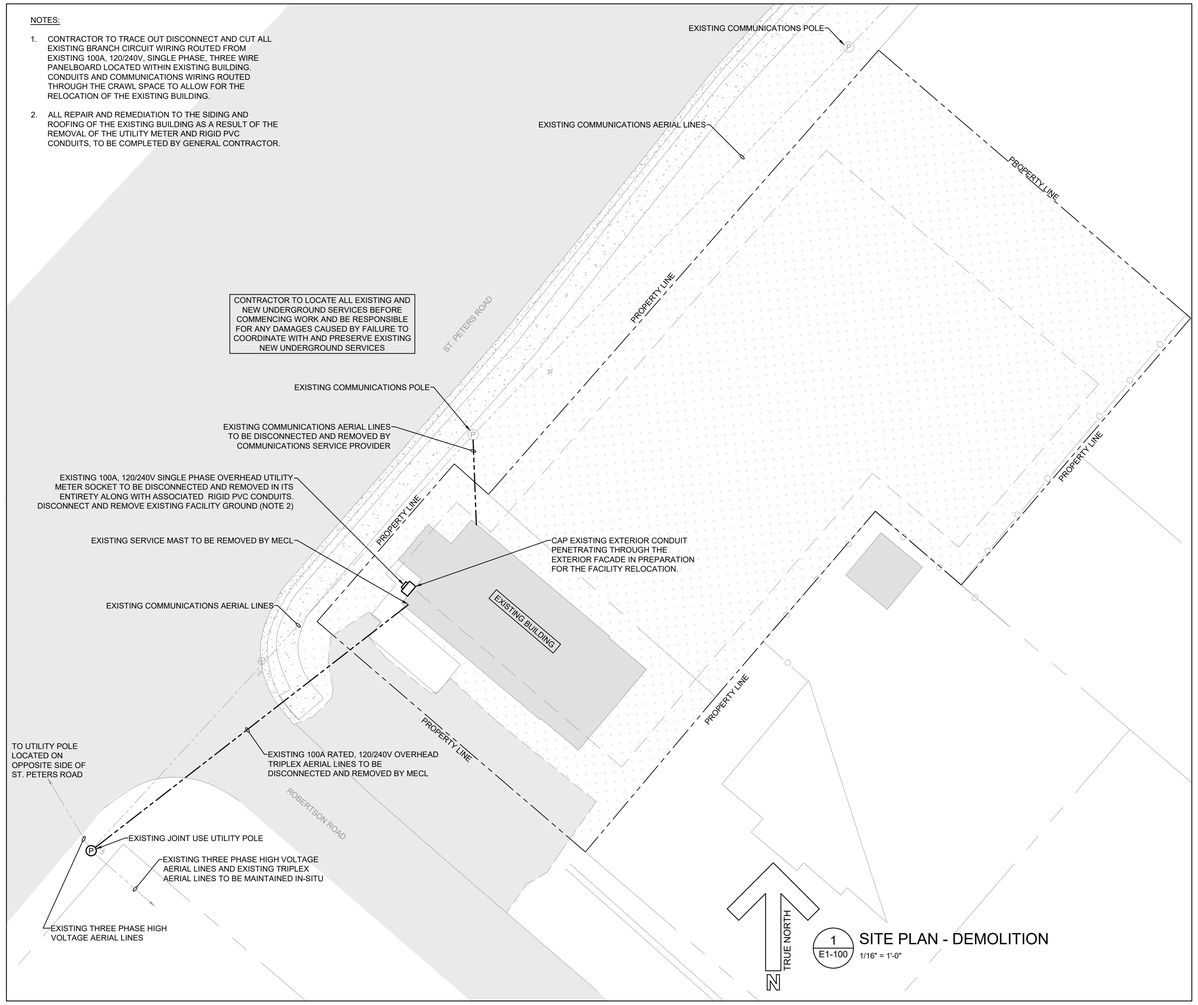
Sheet Title: Notes and Specifications

No.	Description	Date
1	Issued for Tender	2024-03-22

Date: 2024-03-22
Drn By: A.Y. EIT
Chk By: N.L. P.Eng
Revision: -
Project Number: 231058
Drawing Number: S1-102

NOTES:

1. CONTRACTOR TO TRACE OUT DISCONNECT AND CUT ALL EXISTING BRANCH CIRCUIT WIRING ROUTED FROM EXISTING 100A, 120/240V, SINGLE PHASE, THREE WIRE PANELBOARD LOCATED WITHIN EXISTING BUILDING. CONDUITS AND COMMUNICATIONS WIRING ROUTED THROUGH THE CRAWL SPACE TO ALLOW FOR THE RELOCATION OF THE EXISTING BUILDING.
2. ALL REPAIR AND REMEDIATION TO THE SIDING AND ROOFING OF THE EXISTING BUILDING AS A RESULT OF THE REMOVAL OF THE UTILITY METER AND RIGID PVC CONDUITS, TO BE COMPLETED BY GENERAL CONTRACTOR.



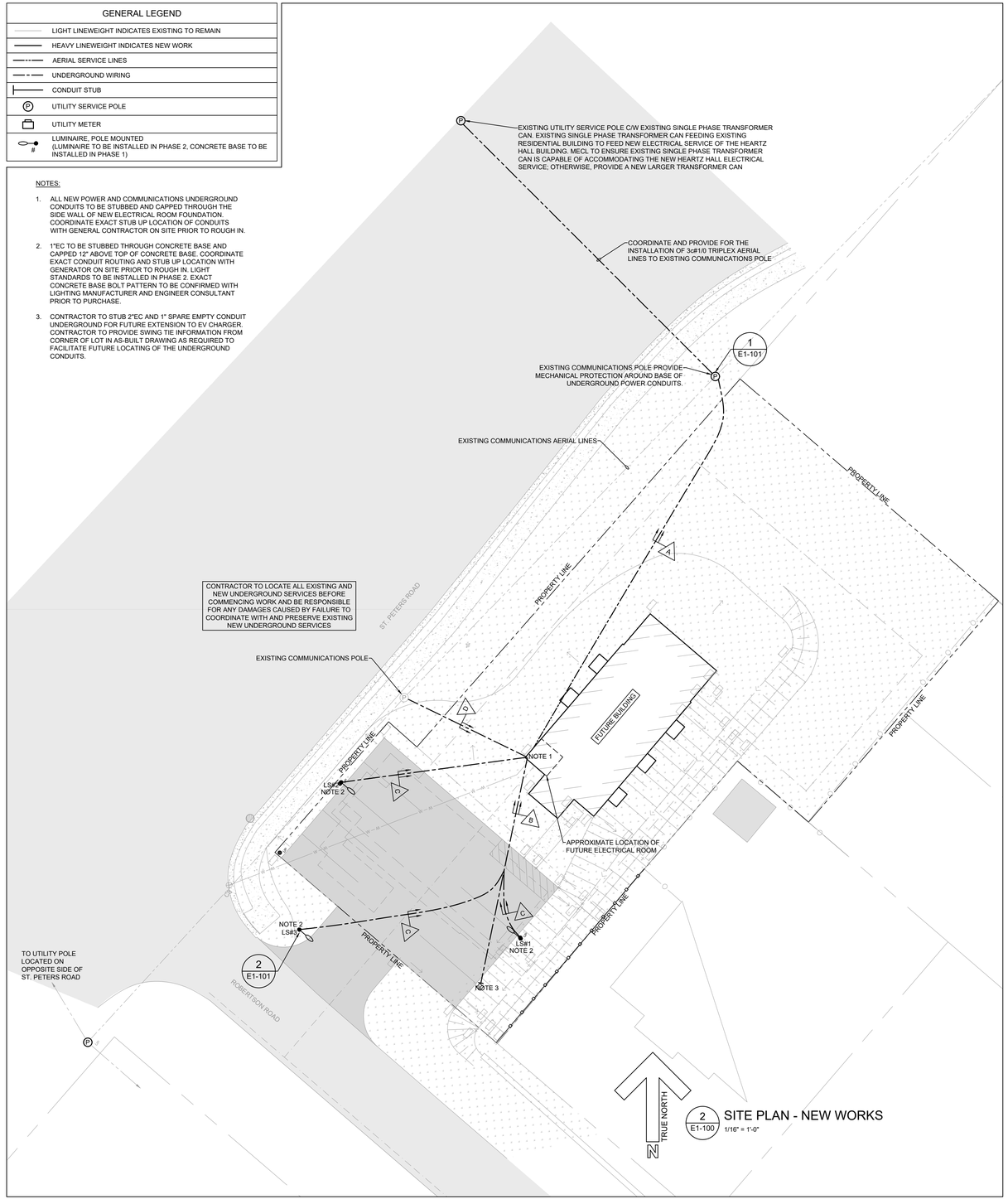
1 / E1-100 — SITE PLAN - DEMOLITION
1/16" = 1'-0"

GENERAL LEGEND

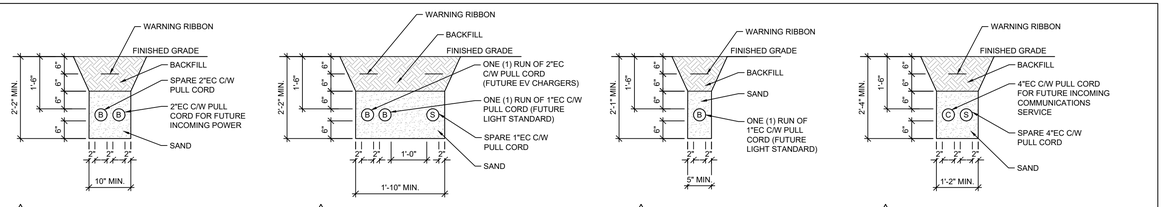
	LIGHT LINEWEIGHT INDICATES EXISTING TO REMAIN
	HEAVY LINEWEIGHT INDICATES NEW WORK
	AERIAL SERVICE LINES
	UNDERGROUND WIRING
	CONDUIT STUB
P	UTILITY SERVICE POLE
	UTILITY METER
#	LUMINAIRE, POLE MOUNTED (LUMINAIRE TO BE INSTALLED IN PHASE 2, CONCRETE BASE TO BE INSTALLED IN PHASE 1)

NOTES:

1. ALL NEW POWER AND COMMUNICATIONS UNDERGROUND CONDUITS TO BE STUBBED AND CAPPED THROUGH THE SIDE WALL OF NEW ELECTRICAL ROOM FOUNDATION. COORDINATE EXACT STUB UP LOCATION OF CONDUITS WITH GENERAL CONTRACTOR ON SITE PRIOR TO ROUGH IN.
2. 1"EC TO BE STUBBED THROUGH CONCRETE BASE AND CAPPED 12" ABOVE TOP OF CONCRETE BASE. COORDINATE EXACT CONDUIT ROUTING AND STUB UP LOCATION WITH GENERATOR ON SITE PRIOR TO ROUGH IN. LIGHT STANDARDS TO BE INSTALLED IN PHASE 2. EXACT CONCRETE BASE BOLT PATTERN TO BE CONFIRMED WITH LIGHTING MANUFACTURER AND ENGINEER CONSULTANT PRIOR TO PURCHASE.
3. CONTRACTOR TO STUB 2"EC AND 1" SPARE EMPTY CONDUIT UNDERGROUND FOR FUTURE EXTENSION TO EV CHARGER. CONTRACTOR TO PROVIDE SWING TIE INFORMATION FROM CORNER OF LOT IN AS-BUILT DRAWING AS REQUIRED TO FACILITATE FUTURE LOCATING OF THE UNDERGROUND CONDUITS.



2 / E1-100 — SITE PLAN - NEW WORKS
1/16" = 1'-0"



A — SECONDARY VOLTAGE SERVICE CONDUIT
B — BRANCH CIRCUIT CONDUIT
C — BRANCH CIRCUIT CONDUIT
D — COMMUNICATIONS SERVICE CONDUIT

DETAIL NOTES:

1. B = SECONDARY VOLTAGE OR BRANCH CIRCUIT CONDUIT QUANTITY AND SIZE AS INDICATED.
2. C = COMMUNICATION CONDUIT 4" PVC CONDUIT FOR UTILITY COMMUNICATIONS CABLES.
3. S = SPARE COMMUNICATIONS CONDUIT.
4. BACKFILLING OF TRENCH IN LAYERS NOT EXCEEDING 12" (MECHANICALLY TAMPED).
5. USE NEW SOIL FREE FROM LARGE ROCKS OR DEBRIS FOR BACKFILL.
6. CONDUIT LOCATED UNDER ASPHALT IN AREAS SUBJECT TO RIGHT OF WAY VEHICULAR TRAFFIC TO BE INSTALLED AN ADDITIONAL 2" BELOW WARNING RIBBON IN ACCORDANCE WITH CSA 22.1-21 ARTICLE 12-0018.
7. IF SITE CONDITIONS PROHIBIT TRENCH AS PER THIS DRAWING, ADVISE CONSULTANT.
8. CONTRACTOR TO PROVIDE A MINIMUM OF 48 HOURS WRITTEN NOTICE TO UTILITY CONSTRUCTION INSPECTOR PRIOR TO SCHEDULED BACKFILLING OF WORK. BACKFILLING NOT PERMITTED UNTIL APPROVED BY UTILITY.
9. 1/4" DIA. NYLON ROPE INSTALLED IN ALL DUCTS.
10. ALL CONDUITS TO BE LABELED WITH WEATHER PROOF TAGS INDICATION THE DESTINATION OF THE CONDUITS.

3 / E1-100 — TRENCH DETAIL
1/2" = 1'-0"

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada, C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER — The Association Of Professional Engineers Of Prince Edward Island — Elliot S. Coles — 1620 — 22.03.2024 — PROVINCE OF PRINCE EDWARD ISLAND

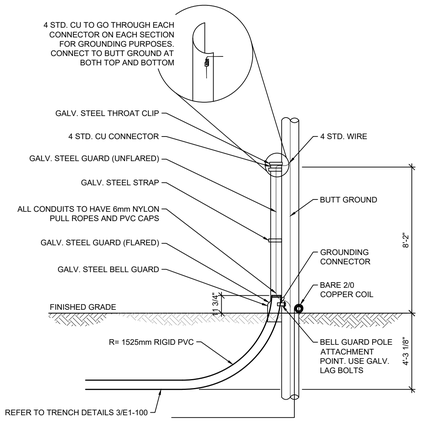
Client: City of Charlottetown

Project Title: Contract #1: Relocation of Heartz Hall

Sheet Title: Site Plan & Trench Details

No.	Description	Date
-	Issued for Tender	2024-03-22

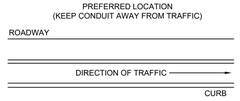
Date: 2024-03-22
Drn By: C.L.S., C.E.T. / E.A., E.IT.
Chk By: E.S.C., P.ENG
Revision: -
Project Number: 231058
Drawing Number: E1-100

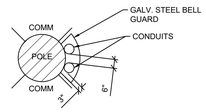


DETAIL NOTES:

1. ON JOINT USE POLES THE ELECTRICAL SERVICE CONDUIT MUST BE RUN 915mm ABOVE THE COMMUNICATION AND SPARE PLANT. THE GROUNDING AND NEUTRAL MUST BE THE SAME.
2. ALL MATERIALS TO BE PROVIDED BY THE CONTRACTOR
3. CONTRACTOR TO PROVIDE A MINIMUM OF 24 HOURS WRITTEN NOTICE TO UTILITY CONSTRUCTION INSPECTOR PRIOR TO SCHEDULED BACKFILLING OF WORKS. BACKFILLING NOT PERMITTED UNTIL APPROVED BY UTILITY.
4. LOCATION OF DUCTS AT BASE OF POLE TO BE SPECIFIED BY UTILITY.
5. KEEP CONDUITS 150mm APART ON POLE.
6. OVERLAP CABLE GUARD 50mm.
7. ALL CONDUITS TO HAVE 6mm NYLON PULL ROPES AND PVC CAPS MUST BE PLACED ON BOTH ENDS TO PREVENT THE ENTRANCE OF WATER.
8. RIGID PVC SWEEPS ARE TO HAVE A RADIUS OF 1525mm AND TO BE USED ON THE USABLE AND THE SPARE CONDUITS.
9. THE 2/0 BARE COPPER CONDUCTOR TO BE RUN IN THE TRENCH SHALL HAVE 6000mm COILED AT THE BASE OF THE POLE.

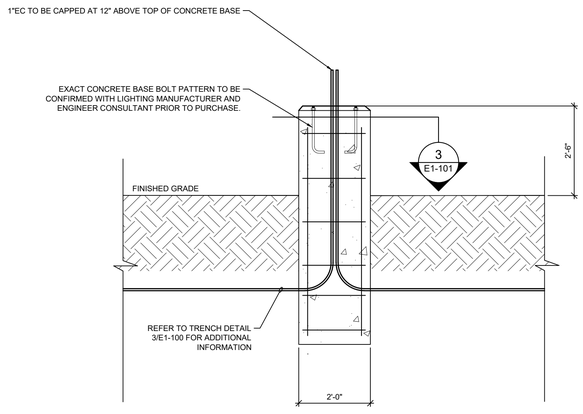
PREFERRED LOCATION
(KEEP CONDUIT AWAY FROM TRAFFIC)



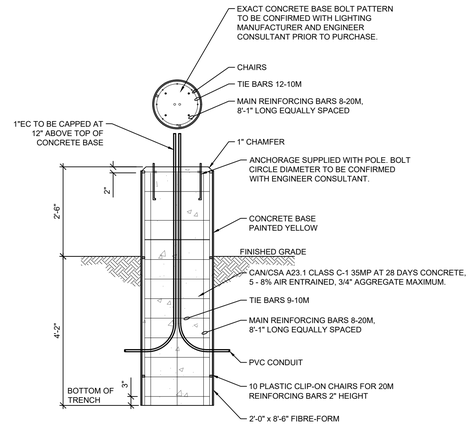


SERVICE TYPE	# OF CONDUITS
SECONDARY 1 PHASE	2-2"

1 / E1-101 SINGLE PHASE UNDERGROUND RISER POLE DETAIL
1/4" = 1'-0"



2 / E1-101 DETAIL: LIGHTING STANDARD (TYPICAL)
1/2"=1'-0"



3 / E1-101 DETAIL: LIGHTING STANDARD BASE
1/2"=1'-0"

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, PEI, Canada, C1A 1R6
Phone (902) 368-2300
www.colesassociates.com

PROFESSIONAL ENGINEER
The Association Of Professional Engineers Of Prince Edward Island
Elliot S. Coles
1620
22.03.2024
PROVINCE OF PRINCE EDWARD ISLAND

Client: City of Charlottetown

Project Title: Contract #1: Relocation of Heartz Hall

Sheet Title: Riser Pole & Light Standard Details

No.	Description	Date
-	Issued for Tender	2024-03-22

Revision: -

Date: 2024-03-22
Drn By: C.L.S., C.E.T. / E.A., E.IT.
Chk By: E.S.C., P.ENG

Project Number: 231058

Drawing Number: E1-101