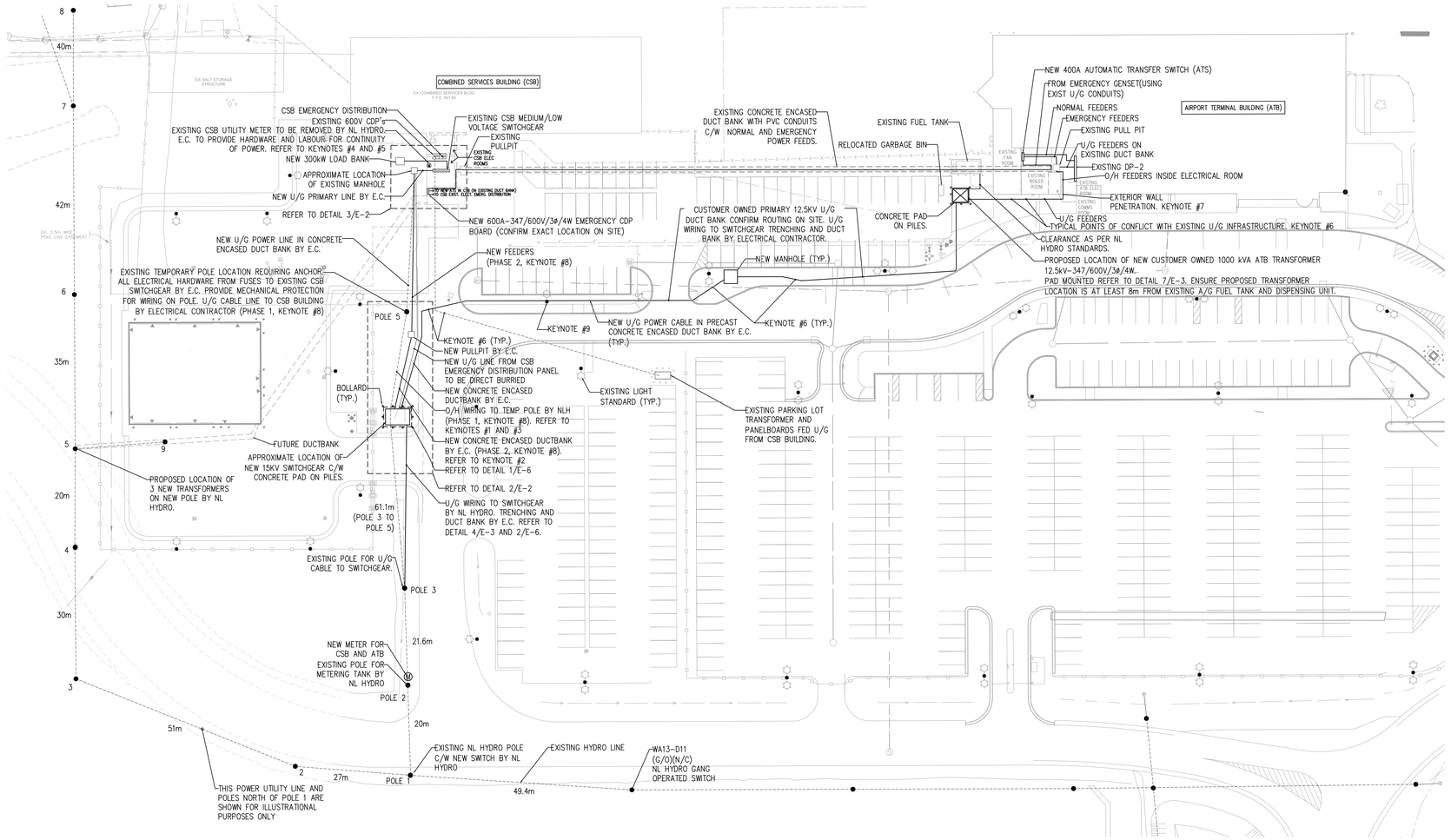
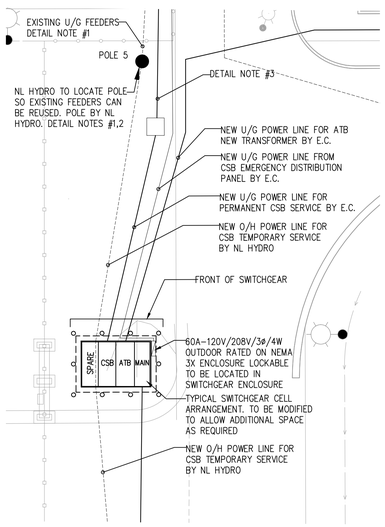



1 E-2 NEW ELECTRICAL SITE PLAN
1:500

SCALE: 1:500
0m 10m 20m 30m 40m 50m

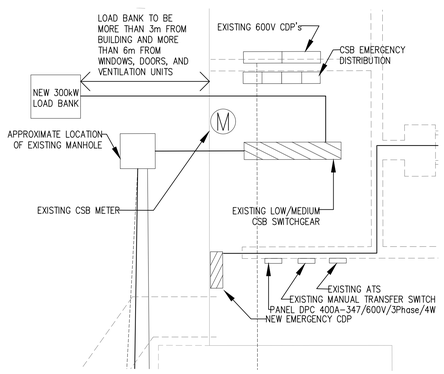



2 E-2 CSB TEMPORARY POWER
1:200

SCALE: 1:200
0m 5m 10m 15m 20m 25m

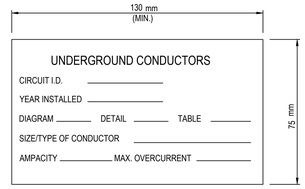
DETAIL NOTES:

1. ELECTRICAL CONTRACTOR TO COORDINDATE WITH NL HYDRO FOR EXACT LOCATION OF TEMPORARY POLE #5. COORDINATE SHUT DOWN SO ELECTRICAL CONTRACTOR CAN PREPARE EXISTING U/G CONDUCTOR GOING UP THE POLE FOR NL HYDRO TO MAKE THE FINAL CONNECTION.
2. NL HYDRO TO PROVIDE NEW POLE AND HARDWARE.
3. NEW MANHOLE, DUCTBANK AND WIRING BY ELECTRICAL CONTRACTOR.
4. INCLUDE TRENCHING AND BACKFILLING TO PROPERTY LINE.




3 E-2 CSB LOAD BANK DETAIL
1:100

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m




4 E-2 UNDERGROUND CONDUCTOR LAMACOID DETAIL
NTS

APPROX. NORTH

## GENERAL NOTES:

1. ELECTRICAL ITEMS SHOWN DOTTED ARE EXISTING AND SHALL REMAIN OR BE RELOCATED AS NOTED. ITEMS TO BE DEMOLISHED TO BE DISCONNECTED AND REMOVED; INCLUDING TRENCHING AND BACKFILLING FOR UNDERGROUND CABLES.
2. ELECTRICAL CONTRACTOR SHALL EXTEND, RE-ROUTE, RE-WIRE AND RECONNECT ALL RELOCATED ELECTRICAL ITEMS AS INDICATED.
3. ALL EXTERIOR WALL PENETRATIONS TO BE MADE WATER-PROOF AND FIRE-PROOF WITH DOW CORNING RTV FOAM OR DEPARTMENTAL REPRESENTATIVE APPROVED EQUIVALENT.
4. WIRING DEVICES AND CONDUIT IN CSB AND ATB BUILDINGS REQUIRED TO REMAIN IN USE FOR ANY REASON SHALL BE RE-ROUTED, ALTERED AND/OR DIVERTED BY ELECTRICAL CONTRACTOR IN AN APPROVED MANNER. ANY BRANCH CIRCUIT WIRING FOR ANY SYSTEM NO LONGER REQUIRED TO REMAIN IN USE SHALL BE REMOVED, OR IF THIS IS NOT POSSIBLE RENDERED PERMANENTLY INACCESSIBLE AND COMPLETELY DISCONNECTED FROM IT'S SOURCE. CAP EXISTING WIRING/CONDUIT BELOW GRADE AND LABEL WITH PERMANENT SYSTEM.
5. PROVIDE 21mm THICK PLYWOOD BACKBOARD FOR NEW EQUIPMENT MOUNTED ON WALL.
6. TURN OVER ALL SALVAGED ITEMS TO DEPARTMENTAL REPRESENTATIVE AT DESIGNATED LOCATION BY DEPARTMENTAL REPRESENTATIVE.
7. ELECTRICAL CONTRACTOR SHALL ARRANGE WITH NEWFOUNDLAND & LABRADOR HYDRO AND DEPARTMENTAL REPRESENTATIVE FOR SWITCHING OVER OF EXISTING U/G POWER SERVICE TO NEW U/G SERVICE FOR PROPER PHASING OF ALL WORK DURING AFTER HOURS OPERATION. MINIMIZE SERVICE INTERRUPTION. NOTE: ANY SHUTDOWN BEYOND 8 HOURS THE CONTRACTOR TO PROVIDE TEMPORARY PORTABLE POWER CONNECTION (GENERATOR) TO POWER UP THE LOAD AND PAY ALL ASSOCIATED RENTALS, UTILIZATION/OPERATIONAL, MATERIAL AND LABOUR FEES AS REQUIRED TO KEEP THE POWER OPERATIONAL.
8. ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE REQUIRED WORK FOR POWER CONVERSION, EXAMINE AND BECOME FAMILIAR WITH CONDITIONS WHICH MAY AFFECT THE WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION WORK. NO CLAIMS OR EXTRA WILL BE ALLOWED FOR WORK OR MATERIALS NECESSARY FOR PROPOSED EXECUTION AND COMPLETION OF THE CONTRACT FAILURE, ERROR OR NEGLIGENCE IN THE REGARDS.
9. ELECTRICAL CONTRACTOR TO OPEN CONCRETE/ASPHALT/LANDSCAPE TO INSTALL NEW CONDUIT AND WIRING AND RESTORE SURFACE TO ORIGINAL CONDITION.
10. ELECTRICAL CONTRACTOR TO PROVIDE SEQUENCE OF SITE WORK ACTIVITIES AND OBTAIN APPROVAL IN WRITING BEFORE COMMENCING ANY WORK. ENSURE ALL SHUT DOWNS ARE KEPT TO THE MINIMUM.
11. SITE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
    a. LOCATE SERVICES.
    b. DEMOLITION OF EXISTING SERVICES BEYOND NEWFOUNDLAND & LABRADOR HYDRO POINT OF DELIVERY, INCLUDING ALL UNDERGROUND SERVICES.
    c. CAPPING AND LABELING OF EXISTING FEEDERS NOT BEING UTILIZED BETWEEN CSB AND ATB BUILDINGS.
    d. COORDINATE RELOCATION OF EXISTING GARBAGE BIN NEAR ATB BUILDING CONFLICTING WITH LOCATION OF NEW PAD MOUNT TRANSFORMER.
    e. REMOVAL/RELOCATION OF PARKING RECEPTACLES AND ALL ELECTRICAL NEAR GARBAGE BIN.
    f. CONTINUOUS COORDINATION OF WORK ON NEW AND EXISTING U/G SERVICES.
12. TRENCHING AND BACK FILLING TO PROPERTY LINE BY ELECTRICAL CONTRACTOR; INCLUDING FOR ALL MATERIAL EQUIPMENT RENTALS AND LABOUR AS REQUIRED.
13. ALL CUSTOMER END FOR MATERIAL, LABOUR AND SCOPE OF DELIVERABLES; INCLUDING TRENCHING AND BACK FILLING TO PROPERTY LINE, SHALL BE BY ELECTRICAL CONTRACTOR.

## ELECTRICAL DEMOLITION & TEMPORARY POWER KEYNOTES:

1. NEWFOUNDLAND AND LABRADOR HYDRO TO PROVIDE NEW O/H POWER LINE C/W ASSOCIATED MOUNTING ACCESSORIES. ELECTRICAL CONTRACTOR TO COORDINATE WITH UTILITY AND PROVIDE ALL COMPLIMENTARY HARDWARE AND LABOUR FOR CONTINUATION OF PROJECT.
2. PROVIDE NEW U/G POWER LINE IN CONCRETE ENCASED DUCT BANK PER LATEST EDITION OF CEC AND LOCAL AUTHORITY HAVING JURISDICTION TO SUIT THE NEW INSTALLATION. COORDINATE ON SITE FOR ROUTING WITH DEPARTMENTAL REPRESENTATIVE BEFORE ROUGH-IN.
3. NEW O/H POWER LINE C/W ASSOCIATED MOUNTING ACCESSORIES, ISOLATION BUSHING, LUGS, UTILITY METERING, PT, CT's, WIRING AND CONTROLS BY UTILITY SERVICE PROVIDER. UTILITY COST CONTRIBUTION BY DEPARTMENTAL REPRESENTATIVE, UTILITY SERVICE COORDINATION BY ELECTRICAL CONTRACTOR.
4. REMOVAL OF EXISTING UTILITY METERING BY UTILITY SERVICE PROVIDER, COORDINATION BY ELECTRICAL CONTRACTOR; INCLUDING SUPPLY AND INSTALL FOR ANY MODIFICATION AS REQUIRED, UTILITY COST CONTRIBUTION BY DEPARTMENTAL REPRESENTATIVE.
5. UTILITY METERING DISCONNECTION AND REMOVAL BY UTILITY SERVICE PROVIDER MODIFYING AND PROVIDING ADEQUATE MATCHING BUS BARS/LUGS FOR MATERIAL AND LABOR BY ELECTRICAL CONTRACTOR; INCLUDING PROVIDING FOR ANY INSTIGATED DEPARTMENT LABOR INSPECTION AND PAYING ASSOCIATED SERVICES FEE. COORDINATE ON SITE FOR WORK SCHEDULES WITH DEPARTMENTAL REPRESENTATIVE AND UTILITY SERVICE PROVIDER IN ADVANCE.
6. IDENTIFY ALL POINTS OF CONFLICT WITH EXISTING SERVICES. NEW ELECTRICAL UNDERGROUND SERVICES TO BE LOCATED MINIMUM OF 950mm BELOW GRADE. (TYPICAL)
7. PROVIDE WALL PENETRATIONS TO MINIMIZE DAMAGE ON EXISTING WALL FINISH MAINTAINING WALL INTEGRITY. SEAL WALL PENETRATIONS ON BOTH SIDES OF WALL, PROVIDE COVERS FOR CONDUITS AND PENETRATIONS AND PAINT NEW CONDUITS/COVERS TO MATCH EXISTING WALL FINISHES.
8. PHASE 1: NEW POLE, NEW WIRING C/W COMBINATION OF O/H AND U/G WIRING IN NEW CONCRETE ENCASED DUCTBANK (ROUTING TO BE DETERMINED ON SITE). ELECTRICAL CONTRACTOR TO CONFIRM SUITABLE POLE LOCATION WITH NL HYDRO RELATIVE TO EXISTING PULLPIT.
   PHASE 2: ONCE NEW SWITCHGEAR IS IN PLACE AND OPERATIONAL, EXTEND TRENCH, NEW PULLPIT AND NEW POWER CABLE AND CONNECT PERMANENTLY TO NEW CELL ON NEW SWITCHGEAR (ROUTING TO BE DETERMINED ON SITE).
9. WIRING AND DUCTBANK ROUTES ARE SHOWN FOR REFERENCE PURPOSE. ELECTRICAL CONTRACTOR TO CONFIRM EXACT ROUTE ON SITE TO PREVENT CONFLICTS WITH EXISTING SYSTEMS.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

PROVINCE OF NEW FOUNDLAND AND LABRADOR
pegnl ENGINEERING PERMIT
N1183
HDK CONSULTING INC
Signature or Member Number (Member-in-Responsible Charge)

EXTENDED PROFESSIONAL ENGINEER
10274
Hugo A. Cea Canas
SIGNATURE
2022-07-29
DATE
NEWFOUNDLAND & LABRADOR

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project / projet
**Wabush Service Upgrade – Wabush Airport**

**Wabush Airport Terminal Building (ATB)**

drawing / dessin
**NEW ELECTRICAL SITE PLAN**

designed HCC / conçu
date
drawn IS / dessiné
date
approved HCC / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
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