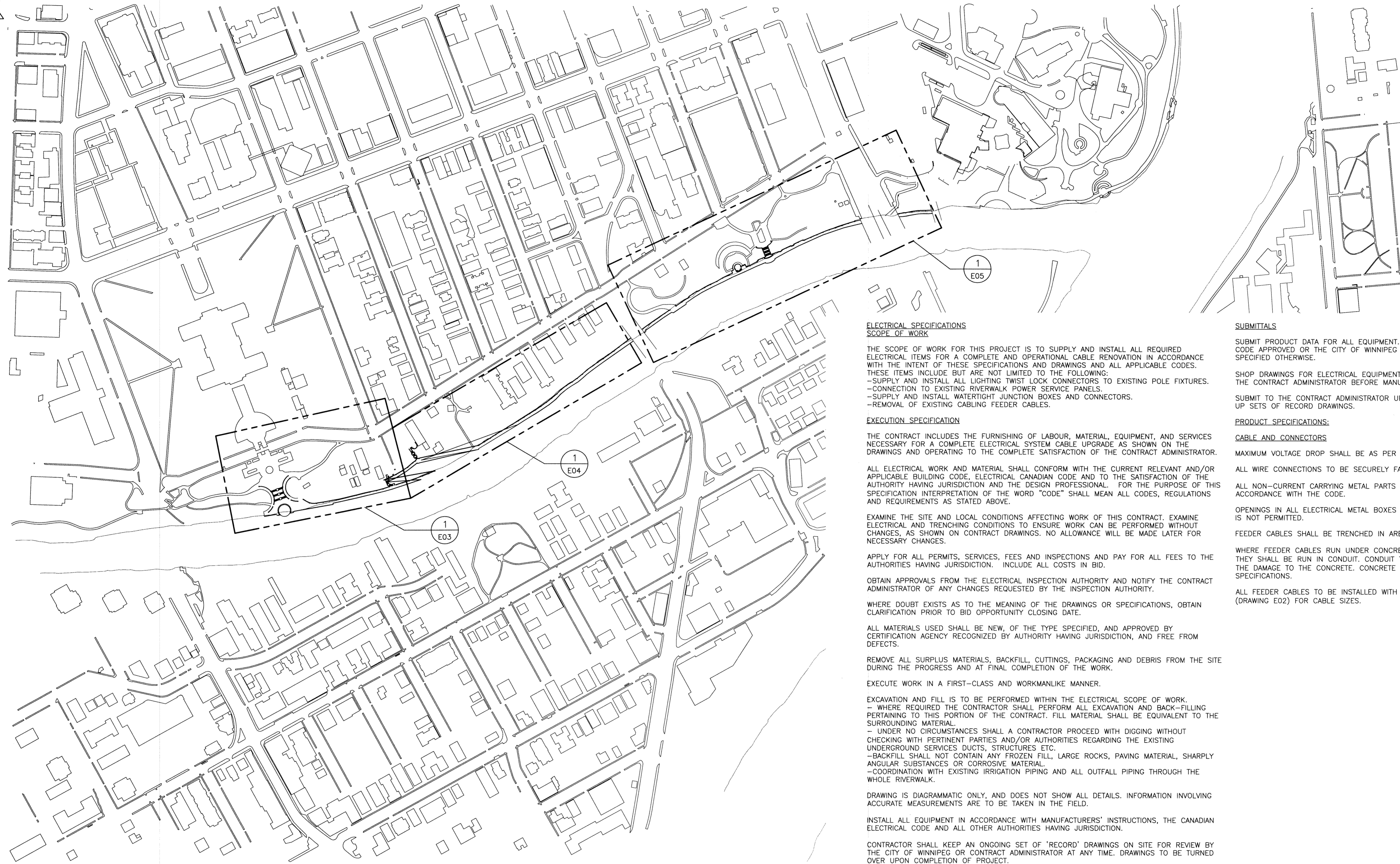
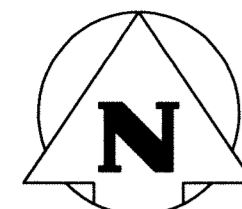


Sheet Size - Super A1 (24 x 36 in)
 Plot Scale - 1:1 (Metric)



1
E01 SITE PLAN
 N.T.S.

ELECTRICAL SPECIFICATIONS
SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PROJECT IS TO SUPPLY AND INSTALL ALL REQUIRED ELECTRICAL ITEMS FOR A COMPLETE AND OPERATIONAL CABLE RENOVATION IN ACCORDANCE WITH THE INTENT OF THESE SPECIFICATIONS AND DRAWINGS AND ALL APPLICABLE CODES. THESE ITEMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 -SUPPLY AND INSTALL ALL LIGHTING TWIST LOCK CONNECTORS TO EXISTING POLE FIXTURES.
 -CONNECTION TO EXISTING RIVERWALK POWER SERVICE PANELS.
 -SUPPLY AND INSTALL WATERTIGHT JUNCTION BOXES AND CONNECTORS.
 -REMOVAL OF EXISTING CABLING FEEDER CABLES.

EXECUTION SPECIFICATION

THE CONTRACT INCLUDES THE FURNISHING OF LABOUR, MATERIAL, EQUIPMENT, AND SERVICES NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM CABLE UPGRADE AS SHOWN ON THE DRAWINGS AND OPERATING TO THE COMPLETE SATISFACTION OF THE CONTRACT ADMINISTRATOR.

ALL ELECTRICAL WORK AND MATERIAL SHALL CONFORM WITH THE CURRENT RELEVANT AND/OR APPLICABLE BUILDING CODE, ELECTRICAL CANADIAN CODE AND TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AND THE DESIGN PROFESSIONAL. FOR THE PURPOSE OF THIS SPECIFICATION INTERPRETATION OF THE WORD "CODE" SHALL MEAN ALL CODES, REGULATIONS AND REQUIREMENTS AS STATED ABOVE.

EXAMINE THE SITE AND LOCAL CONDITIONS AFFECTING WORK OF THIS CONTRACT. EXAMINE ELECTRICAL AND TRENCHING CONDITIONS TO ENSURE WORK CAN BE PERFORMED WITHOUT CHANGES, AS SHOWN ON CONTRACT DRAWINGS. NO ALLOWANCE WILL BE MADE LATER FOR NECESSARY CHANGES.

APPLY FOR ALL PERMITS, SERVICES, FEES AND INSPECTIONS AND PAY FOR ALL FEES TO THE AUTHORITIES HAVING JURISDICTION. INCLUDE ALL COSTS IN BID.

OBTAIN APPROVALS FROM THE ELECTRICAL INSPECTION AUTHORITY AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY CHANGES REQUESTED BY THE INSPECTION AUTHORITY.

WHERE DOUBT EXISTS AS TO THE MEANING OF THE DRAWINGS OR SPECIFICATIONS, OBTAIN CLARIFICATION PRIOR TO BID OPPORTUNITY CLOSING DATE.

ALL MATERIALS USED SHALL BE NEW, OF THE TYPE SPECIFIED, AND APPROVED BY CERTIFICATION AGENCY RECOGNIZED BY AUTHORITY HAVING JURISDICTION, AND FREE FROM DEFECTS.

REMOVE ALL SURPLUS MATERIALS, BACKFILL, CUTTINGS, PACKAGING AND DEBRIS FROM THE SITE DURING THE PROGRESS AND AT FINAL COMPLETION OF THE WORK.

EXECUTE WORK IN A FIRST-CLASS AND WORKMANLIKE MANNER.

EXCAVATION AND FILL IS TO BE PERFORMED WITHIN THE ELECTRICAL SCOPE OF WORK.
 - WHERE REQUIRED THE CONTRACTOR SHALL PERFORM ALL EXCAVATION AND BACK-FILLING PERTAINING TO THIS PORTION OF THE CONTRACT. FILL MATERIAL SHALL BE EQUIVALENT TO THE SURROUNDING MATERIAL.

- UNDER NO CIRCUMSTANCES SHALL A CONTRACTOR PROCEED WITH DIGGING WITHOUT CHECKING WITH PERTINENT PARTIES AND/OR AUTHORITIES REGARDING THE EXISTING UNDERGROUND SERVICES DUCTS, STRUCTURES ETC.
 -BACKFILL SHALL NOT CONTAIN ANY FROZEN FILL, LARGE ROCKS, PAVING MATERIAL, SHARPLY ANGULAR SUBSTANCES OR CORROSIVE MATERIAL.
 -COORDINATION WITH EXISTING IRRIGATION PIPING AND ALL OUTFALL PIPING THROUGH THE WHOLE RIVERWALK.

DRAWING IS DIAGRAMMATIC ONLY, AND DOES NOT SHOW ALL DETAILS. INFORMATION INVOLVING ACCURATE MEASUREMENTS ARE TO BE TAKEN IN THE FIELD.

INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS, THE CANADIAN ELECTRICAL CODE AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

CONTRACTOR SHALL KEEP AN ONGOING SET OF 'RECORD' DRAWINGS ON SITE FOR REVIEW BY THE CITY OF WINNIPEG OR CONTRACT ADMINISTRATOR AT ANY TIME. DRAWINGS TO BE TURNED OVER UPON COMPLETION OF PROJECT.

SUBMITTALS

SUBMIT PRODUCT DATA FOR ALL EQUIPMENT. ACCEPTABLE MATERIALS SHALL BE AS SPECIFIED, CODE APPROVED OR THE CITY OF WINNIPEG APPROVED. ALL MATERIAL SHALL BE NEW, UNLESS SPECIFIED OTHERWISE.

SHOP DRAWINGS FOR ELECTRICAL EQUIPMENT/MATERIALS SHALL BE SUBMITTED FOR REVIEW BY THE CONTRACT ADMINISTRATOR BEFORE MANUFACTURING AND INSTALLATION CAN PROCEED.

SUBMIT TO THE CONTRACT ADMINISTRATOR UPON COMPLETION OF THE CONTRACT, TWO MARKED UP SETS OF RECORD DRAWINGS.

PRODUCT SPECIFICATIONS:

CABLE AND CONNECTORS

MAXIMUM VOLTAGE DROP SHALL BE AS PER CODE REQUIREMENTS.

ALL WIRE CONNECTIONS TO BE SECURELY FASTENED BY MEANS OF APPROVED CONNECTORS.

ALL NON-CURRENT CARRYING METAL PARTS SHALL BE GROUNDED AND/OR BONDED IN ACCORDANCE WITH THE CODE.

OPENINGS IN ALL ELECTRICAL METAL BOXES SHALL BE PUNCHED OR CUT. BURNING OF HOLES IS NOT PERMITTED.

FEEDER CABLES SHALL BE TRENCHED IN AREAS AS SHOWN.

WHERE FEEDER CABLES RUN UNDER CONCRETE STEPS AND/OR CONCRETE WALKWAYS THEY SHALL BE RUN IN CONDUIT. CONDUIT TO BE INSTALLED IN A MANNER TO LIMIT/REDUCE THE DAMAGE TO THE CONCRETE. CONCRETE TO BE PATCHED/REPAIRED TO CITY STANDARDS AND SPECIFICATIONS.

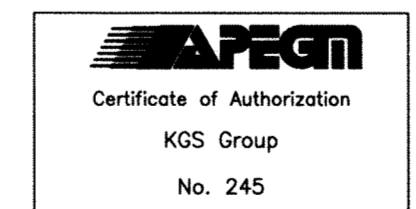
ALL FEEDER CABLES TO BE INSTALLED WITH TECK90. REFER TO THE SINGLE LINE (DRAWING E02) FOR CABLE SIZES.

CAD File Name: 10-0105-10_e01-new 2.dwg

NOTES:

REV	YY/MM/DD	DESCRIPTION	BY
2	11/09/15	RE-ISSUED FOR BID OPPORTUNITY	JLL
1	11/09/08	RE-ISSUED FOR BID OPPORTUNITY	JLL
0	10/09/22	ISSUED FOR BID OPPORTUNITY	JLL

A	B
SECTION LETTER OR DETAIL NUMBER, DRAWING WHERE SECTION OR DETAIL IS DRAWN.	SECTION OR DETAIL SHOWN ON SAME DRAWING.



CLIENT
THE CITY OF WINNIPEG
 Winnipeg PLANNING PROPERTY AND DEVELOPMENT

SCATLIFF + MILLER + MURRAY Inc.
 TEL 204 927-3444
 FAX 204 927-3443
 8-136 MARKET AVENUE
 WINNIPEG, MB, CANADA

DESIGN	DRAWN	DATE - Y/M/D	SCALE
JLL	BGO	10/08/31	N.T.S.
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
CPS	JLL	0000	E01