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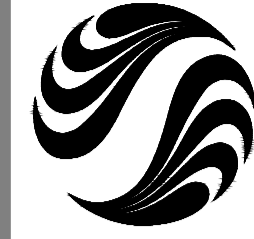
CMHC SCHL

# GRANVILLE ISLAND HEALTH & SAFETY UPGRADE

JULY 2013

Project Number: 115612209

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Legend

Notes

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 03.07.19
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Permit-Seal

Client/Project

CMHC SCHL  
GRANVILLE ISLAND OFFICE  
  
GRANVILLE ISLAND  
HEALTH & SAFETY UPGRADE  
Vancouver BC Canada

Title

ELECTRICAL  
SPECIFICATIONS AND LEGEND

Project No.	Scale
115612209	NTS
Drawing No.	Sheet
	Revision

E00 of -

**SUPPLEMENTAL SPECIFICATIONS:**

**GENERAL NOTES:**

- THE CONTRACTOR SHALL PROVIDE ALL LIGHTING PRODUCTS AS SHOWN INCLUDING ALL WIRING, BASES, LUMINAIRES, LAMPS, PHOTO CELLS CONTROL EQUIPMENT AND ALL RELATED APPURTENANCES SHOWN ON THE PLANS AND SHALL BE CONSTRUCTED TO THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT (MMCD) PLATINUM EDITION AND THE CURRENT CANADIAN ELECTRICAL CODE, PART 1C22.12-12, 22nd EDITION.
- WHEREVER THE DRAWINGS OR SPECIFICATIONS CALL FOR MATERIAL, WORKMANSHIP, ARRANGEMENT OR CONSTRUCTION OF SUPERIOR QUALITY THAN IS REQUIRED BY THE RULES AND REGULATIONS, THE DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. OTHERWISE, SHOULD THERE BE A CONFLICT BETWEEN THE RULES AND REGULATIONS AND THE DRAWINGS AND SPECIFICATIONS, THE RULES AND REGULATIONS SHALL PREVAIL.
- THE CONTRACTOR SHALL OBTAIN, AND PAY FOR ALL PERMITS AND ARRANGE FOR ALL ELECTRICAL INSPECTIONS COVERING HIS WORK AND PAY ALL OTHER FEES AND CHARGES AND MAKE ALL DEPOSITS THAT ARE IN ANYWAY CONNECTED WITH THE INSTALLATION OF THE SYSTEMS SPECIFIED AS SHOWN ON THE DRAWINGS. HE SHALL GIVE ALL NECESSARY NOTICES TO THE AUTHORITIES HAVING JURISDICTION AND SHALL BE RESPONSIBLE FOR KEEPING ALL APPLICABLE PUBLIC ORDINANCES.
- ALL ELECTRICAL WORK TO BE PERFORMED BY A REGISTERED ELECTRICAL AND INSPECTION CONTRACTOR UNDER THE PROVISIONS OF THE BRITISH COLUMBIA SAFETY ACT.
- ELECTRICAL WORK TO CONFORM TO THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE HOWEVER NOT ANY BULLETINS OR AMENDMENTS PUBLISHED BY THE BC SAFETY AUTHORITY. GRANVILLE ISLAND IS FEDERALLY OWNED LAND. A BC SAFETY AUTHORITY INSPECTOR MAY INSPECT BUT ONLY UNDER THE CANADIAN ELECTRICAL CODE AS IT IS PUBLISHED FEDERALLY. AS AN ALTERNATIVE A FEDERAL INSPECTOR MAY BE BROUGHT IN TO INSPECT THE WORKS.
- WORK TO CONFIRM TO ALL APPLICABLE REGULATIONS OF WORKERS' COMPENSATION BOARD (WORKSAFE BC) IF REQUIRE, SUBMIT NOTICE OF PROJECT FORM 52E49 PRIOR TO COMMENCING CONSTRUCTION. CONFIRM COMPLIANCE WITH THE FOLLOWING:
  - WORKSAFE BC FORM 30M33 TO BE COMPLETED PRIOR TO WORKING IN VICINITY OF OVERHEAD POWER LINES
  - NOTICE OF CONSTRUCTION PROJECTS WCB HEALTH AND SAFETY REGULATIONS, SECTION 34.163(3).
  - CONTRACTOR TO HAVE APPROPRIATE FIRST AID AND AND WORK SAFE PRACTICES IN PLACE PRIOR TO COMMENCING WORK IN COMPLIANCE WITH WORKSAFE BC STANDARDS
  - CONTRACTOR SHALL PROVIDE APPROPRIATE TRAINING TO WORKER PRIOR TO COMMENCING WORK IN COMPLIANCE WITH WORKSAFE BC STANDARDS

**MATERIALS NOTES:**

- SUPPLY ALL PRODUCT NECESSARY FOR COMPLETION OF PROJECT.
- ALL SIMILAR PRODUCTS TO BE OF ONE TYPE AND FROM ONE MANUFACTURER UNLESS OTHERWISE NOTED.
- ELECTRICAL MATERIALS USED FOR THE LIGHTING SHALL BE NEW UNLESS OTHERWISE SHOWN ON THE PLANS AND SHALL BE APPROVED BY AND BEAR THE LABEL OF CSA.
- POLES SHALL BE COMPLETE WITH ANCHOR BOLTS, NUTS AND NUT COVERS, HAND HOLE, WATER TIGHT COVER ASSEMBLY AND GROUNDING STUD. POLES SHALL BE FINISHED HOT DIP GALVANIZED UNLESS OTHERWISE NOTED.
- ALL CONDUCTORS SHALL BE COPPER AND MINIMUM No. 12 AWG AND SHALL BE STRANDED.
- ALL INSULATED CONDUCTORS SHALL BE COLOUR CODED. WHITE SHALL BE USED FOR THE NEUTRAL CONDUCTOR, BLACK, RED AND BLUE FOR EACH PHASE AND GREEN FOR THE GROUND CONDUCTOR.
- CONDUCTORS RUN IN RIGID PVC CONDUIT OR IN THE INTERIOR OF STREET LIGHT POLES SHALL BE WIRE TYPE RW90. ADEQUATE SLACK SHALL BE PROVIDED IN THE POLE TO PERMIT REMOVAL OF CONNECTED WIRES AND FUSING THROUGH THE HAND HOLE FOR MAINTENANCE.
- CONDUIT SIZE SHALL BE MINIMUM 35mm DIAMETER AND CONFORM TO CSA C22.2 No. 211.2 RIGID PVC CONDUIT AND FITTINGS SHALL BEA A CSA CERTIFICATION LABEL OR OTHER PROOF OF CSA CERTIFICATION. PVC CONDUIT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS USING CSA CERTIFIED CEMENT. THE CONDUIT CAN BE BENT IN THE FIELD WITH APPROVED CONDUIT BENDING EQUIPMENT, NOT OTHER METHOD WILL BE ACCEPTED.
- UTILITY SERVICE WIRING SHALL BE INCLOSED IN 53mm CONDUIT FROM THE SOURCE TO THE MAIN DISTRIBUTION SERVICE PANEL WHERE REQUIRED.
- PHOTOCELLS SHALL BE FISHER PIERCE 7700 OR EQUIVALENT AND INSTALLED WHERE NOTED ON THE DESIGN DRAWINGS.
- THERE SHALL BE ONE IN-LINE (CARTRIDGE TYPE) FUSE PER STREET LIGHT, LOCATED WITHIN THE POLE AND ACCESSIBLE THROUGH THE HAND HOLE. ALL NEW LIGHT POLES SHALL HAVE TAMPER RESISTANT HARDWARE INSTALLED WHERE POSSIBLE. (TAM

**PANELS AND KIOSKS:**

- KEEP AN ACCURATE RECORD OF CIRCUITS WHERE EXISTING LUMINAIRES BEING REPLACED AND NEW LUMINAIRES INSTALLED. UPDATE ALL PANEL SCHEDULES FOR ALL KIOSKS AND PANELS WHERE WORK WAS COMPLETED WITH TYPE WRITTEN PANEL SCHEDULES.
- RECORD CIRCUITS IN RED INK ON A CLEAN SET OF FULL SIZE DRAWINGS C/W JUNCTION BOX LOCATIONS AND CONDUIT ROUTING IF KNOWN FOR RECORD DRAWING PURPOSES.
- WHEN ADDING/REPLACING LUMINAIRES CHECK EXISTING CIRCUITS FOR VOLTAGE DROP AND PHASE BALANCE. KEEP A RECORD AND PROVIDE THE DOCUMENTATION OF TEST TO THE ENGINEER AT THE END OF THE PROJECT.
- CLEAN UP ANY DEBRIS AT THE END OF EACH DAY OF WORK IN ANY PANEL OR KIOSK.

**CIVIL AND ROADWORKS:**

- UNDER THE DIRECTION OF THE ELECTRICAL CONTRACTOR ALL CIVIL AND ROADWORKS, TRENCHING AND BACKFILLING, EXCAVATING, ETC. SHALL COMPLY WITH THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT (MMCD) PLATINUM VERSION.
- MINIMAL RECORD DRAWINGS ARE AVAILABLE OF UNDERGROUND UTILITIES, BC-ONE-CALL SHALL BE DONE AND PRIOR TO EXCAVATING CHECK BEFORE DIGGING SHALL BE PERFORMED.
- WHERE DIGGING IN SENSITIVE AREAS IS REQUIRED, HAND DIGGING WILL BE REQUIRED.

**NOTE TO CONTRACTOR**

CIVIL BASE PLAN WAS PROVIDED BY OTHERS. MINOR UPDATES HAVE BEEN NOTED AND ADDED DURING THE DETAILED DESIGN HOWEVER NO ACCURATE MEASUREMENTS WERE TAKEN. WHERE CRITICAL, TAKE ACCURATE MEASUREMENTS AND SURVEY AS NECESSARY.

**INSTALLATION NOTES:**

- POLE BASES SHALL BE SITUATED SO THAT THE BASE TOP IS 50mm ABOVE THE ADJACENT SIDEWALK, CURB, ASPHALT OR PAVERS OR HIGHER AS REQUIRED TO SUIT SITE CONDITIONS.
- LIGHT POLES SHALL BE MOUNTED ON THE POLE BASE STUDS USING LEVELING SHIMS BENEATH THE POLE PLATE. POLES SHALL BE ADJUSTED TO A PLUMB POSITION USING THE LEVELING SHIMS. MAXIMUM OF FOUR SHIMS PERMITTED.
- CONDUITS SHALL BE INSTALLED AT A CONSTANT DEPTH UNDER SIDEWALKS WHEREVER POSSIBLE OR ON THE ALIGNMENT SHOWN ON THE DRAWINGS.
- SERVICE LINE CONDUCTORS AND ALL OTHER ELECTRICAL COMPONENTS SHALL BE INSTALLED IN CONFORMANCE WITH THE STANDARD DRAWINGS IN THE BC ELECTRICAL CODE.
- IN ALL TRENCHES, THE CONDUIT SHALL BE SNAKED SLIGHTLY TO PERMIT EXPANSION AND CONTRACTION.
- ALL DUCTS SHALL BE SAND BEDDED.
- LUMINAIRES SHALL BE SECURELY FASTENED TO THE LIGHTING POLES AND ORIENTED TO PROVIDE THE REQUIRED LIGHT DISTRIBUTION.
- CONFIRM LOCATION OF ALL WORKS TO BE INSTALLED WITH CONTRACT ADMINISTRATOR.
- TAKE REASONABLE PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING UTILITIES. ANY DAMAGE TO UTILITIES MUST BE REPAIRED TO SATISFACTION OF CONTRACT ADMINISTRATOR.
- MINIMUM COVER OVER CONDUITS TO BE 600mm WHEREVER POSSIBLE. REFER TO TRENCHING DETAILS FOR ALTERNATIVES AND MEANS OF MECHANICAL PROTECTION.
- PLACE TRENCH MARKER TAPE ABOVE INSTALLED CONDUIT IN TRENCH. TRENCH MARKER TAPE NOT REQUIRED FOR CONDUITS INSTALLED VIA TRENCHLESS TECHNOLOGY.
- INSTALL NYLON PULL STRING IN ALL EMPTY CONDUITS AND CAP AT BOTH ENDS.
- INSTALL POLE ARMS AT RIGHT ANGLES TO STREET CENTRELINE UNLESS SHOWN OTHERWISE ON CONTRACT DRAWINGS. ORIENT POLE HANDHOLES ON THE DOWN STREAM SIDE OF TRAFFIC.
- INSTALL LUMINAIRES AND PHOTOCELLS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- INSTALL LUMINAIRES LEVEL.
- AIM PHOTOCCELL NORTH.
- ALL GROUNDING AND BONDING TO CONFORM TO CANADIAN ELECTRICAL CODE OR AS NOTED ON THE DESIGN DRAWINGS.
- ALL LUMINAIRE WIRING SHALL BE TAGGED WITH CIRCUIT AND PANEL BOARD ON INDELIBLE TAB.
- CONNECT ONLY ONE WIRE TO ANY ONE GROUND BUSHING.
- PROVIDE BONDING TO RIGID STEEL CONDUITS.
- NOTIFY ENGINEER IN ADVANCE PRIOR TO BACK FILLING.

**GROUNDING AT EXISTING KIOSKS:**

- THE CONTRACTOR SHALL ASSESS THE GROUNDING AT EACH KIOSK FOR CONFORMANCE TO THE CURRENT CANADIAN ELECTRICAL CODE.
- THE CONTRACTOR SHALL TEST THE GROUND SYSTEM AT EACH KIOSK. THE MAXIMUM GROUND RESISTANCE VALUE OF 25 OHMS SHALL BE OBTAINED. TEST RESULTS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER AND GRANVILLE ISLAND CONTRACT ADMINISTRATOR.
- IF THE VALUE OF 25 OHMS IS NOT OBTAINED THE ENGINEER AND GRANVILLE ISLAND CONTRACT ADMINISTRATOR SHALL BE CONSULTED FOR PROPOSED SOLUTION.

**PROJECT SPECIFIC MATERIALS AND GENERAL INFORMATION:**

- ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS) - NO EXCEPTIONS UNLESS OTHERWISE NOTED. EMT IS NOT PERMITTED.
- ALL EXPOSED JUNCTION BOXES SHALL BE GALVANIZED STEEL - NO EXCEPTIONS.
- TECK90 CONDUCTOR ONLY TO BE USED TO FEED THE TYPE 'C' LUMINAIRES AS INDICATED ON THE DESIGN DRAWINGS UNLESS THE INSTALLATION WARRANTS IT, IS NOT IN PLAIN SIGHT AND IS APPROVED BY THE ENGINEER AND CONTRACT ADMINISTRATOR. SUCH APPROVAL MUST BE SOUGHT OUT AND RECEIVED IN WRITING.
- ALL STRAPS FOR SECURING CONDUIT/TECK90 SHALL BE RIGID GALVANIZED STEEL (RGS), SINGLE OR TWO HOLE AS APPLICABLE SPACED PER THE C.E.C.
- ALL UNDERGROUND CONDUIT SHALL BE THICKWALL RIGID PVC - DBII IS NOT PERMITTED.
- ALL TRANSITIONS FROM GRADE TO ABOVE GRADE SHALL BE DONE SO WITH THE APPROPRIATE HARDWARE.
- REMOVAL OF EXISTING LUMINAIRES AND INSTALLING NEW LUMINAIRES IN EXISTING LOCATIONS IS PART OF THIS PROJECT. REPLACE ANY CONDUIT, JUNCTION BOXES AND WIRING WHICH IS BADLY RUSTED OR THE INSULATION IS WORN OR CRACKED.
- VOLTAGE FOR EXISTING LUMINAIRES IS 208V. WHEN REPLACING EXISTING LUMINAIRES WITH NEW, CHECK VOLTAGE PRIOR TO MAKING CONNECTIONS AND ENERGIZING. RECORD DRAWINGS OF THE LIGHTING CIRCUITS ARE NOT AVAILABLE AND ALL VOLTAGES HAVE NOT BEEN CONFIRMED.
- WHERE LUMINAIRES ARE REMOVED AND NO NEW LUMINAIRE IS INSTALLED IN THE SAME LOCATION, REMOVE MATERIALS MADE REDUNDANT BY THE REMOVAL AND MAKE GOOD THE SURFACE TO MATCH EXISTING SURROUNDINGS.
- ALL NEW EXTERIOR LIGHTING INSTALLED AND EXISTING LIGHTING SHARING THE SAME CIRCUITS SHALL BE CONNECTED TO EITHER A WORKING PHOTOCCELL OR ASTRONOMICAL TIME CLOCK AND AN OVERRIDE TEST SWITCH. THE CONTRACTOR SHALL ENSURE THE SYSTEM IS OPERATIONAL AT THE END OF THE PROJECT AND IS UNDER WARRANTY. REPLACE ANY FAULTY EQUIPMENT UNDER THIS CONTRACT.
- CONCRETE BASES FOR LUMINAIRE POLES (UNLESS OTHERWISE NOTED) SHALL BE AS FOLLOWS:
  - MMCD TYPE 'B' FOR LUMINAIRE POLES UP TO 7m IN HEIGHT
  - MMCD TYPE 'C' FOR LUMINAIRE POLE OVER 7m IN HEIGHT UP TO 9m
  - THE MAXIMUM POLE HEIGHT IN THIS PROJECT IS 8m IN HEIGHT.
- THE WALL MOUNTED LUMINAIRES ARE MOUNTED TO DIFFERENT TYPES OF STRUCTURES. THE CONTRACTOR SHALL INVESTIGATE THE TYPE OF STRUCTURE LUMINAIRES ARE MOUNTED TO, ASSESS WHAT WOULD BE BEST MOUNTING BRACKET FOR EACH AREA AND AND SUBMIT ENGINEERED SHOP DRAWINGS FOR REVIEW PRIOR MANUFACTURING.

LEGEND OF SYMBOLS			
TYPE	SYMBOL	DESCRIPTION	CATALOGUE No.
AA		13W JAM JAR - PRISMATIC LENS C/W GUARD	VXLED-13Y-DG/UP RCL+GL100 PRIS RCL+11000 RCL
AB		26W JAM JAR - FROST LENS C/W GUARD	VXLED-13Y-DG/UP RCL
AC		26W JAM JAR - PRISMATIC LENS C/W GUARD	VXLED-26Y-DG/UP RCL+GL100 PRIS RCL+11000 RCL
AD		26W JAM JAR - FROST LENS C/W GUARD	VXLED-26Y-DG/UP RCL
AE		13W JAM JAR - PRISMATIC LENS C/W GUARD WALL MOUNTED	VXBRLD-13Y-DG/UP RCL+GL100 PRIS RCL+11000 RCL
AF		26W JAM JAR - PRISMATIC LENS C/W GUARD WALL MOUNTED	VXBRLD-26Y-DG/UP RCL+GL100 PRIS RCL+11000 RCL
BA		TRADITIOINAL GRANVILLE ISLAND BOLLARD (EXIST.) C/W WITH NEW 13W JAM JAR -PRIMATIC LENS	TYPE 'AA' INSTALLED IN EXIST. BOLLARD
BB		TRADITIOINAL GRANVILLE ISLAND BOLLARD (EXIST.) C/W WITH NEW 13W JAM JAR -PRIMATIC LENS AND NEW UPLIGHT	TYPE 'AA' AND TYPE 'D' INSTALLED IN EXIST. BOLLARD
BC		NEW TRADITIOINAL GRANVILLE ISLAND BOLLARD C/W WITH NEW 13W JAM JAR AND NEW UPLIGHT	TYPE 'AA' AND TYPE 'D' INSTALLED IN NEW BOLLARD (BY OTHERS)
BD		NEW TRADITIOINAL GRANVILLE ISLAND BOLLARD C/W WITH NEW 13W JAM JAR	TYPE 'AA' INSTALLED IN NEW BOLLARD (BY OTHERS)
C		ROUND 9W LED STEP LIGHT	LITHONIA - OLSR-DOB
D		40° BEAM LED FLOOD UPLIGHT FOR BOLLARDS	LUMEN PULSE - LBS-208-30K-FL-NO-YOKE-CRC
EA		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (8m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EB		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM (DIMMED 50%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (8m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EC		WALL MOUNTED 49 LED LUMINAIRE C/W SHEPHERD HOOK STYLE ARM (WALL BRACKET GALVANIZED STEEL) (DIMMED 50%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH ARM: EAE4/I (GALVANIZED STEEL) WALL BRACKET: (TBD - SUBMIT SHOP DRAWING)
ED		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM (DIMMED 50%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (6m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EE		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM - BRACKET MOUNTED TO CONCRETE WALL(DIMMED 20%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (3.5m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL) BRACKET: (TBD - SUBMIT SHOP DRAWING)
EF		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM (DIMMED 60%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (6m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EG		WALL MOUNTED 49 LED LUMINAIRE C/W SHEPHERD HOOK STYLE ARM (WALL BRACKET GALVANIZED STEEL) (DIMMED 30%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH ARM: EAE4/I (GALVANIZED STEEL) WALL BRACKET: (TBD - SUBMIT SHOP DRAWING)
EH		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM (DIMMED 30%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (6m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EJ		49 LED DOUBLE DAVIT STYLE LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM (DIMMED 50%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (8m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EK		49 LED LUMINAIRE ON ROUND GALVANIZED STEEL POLE C/W SHEPHERD HOOK STYLE ARM (DIMMED 40%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH POLE: EPAX 18 S4 (8m TALL GALVANIZED STEEL) ARM: EAE4/I (GALVANIZED STEEL)
EL		WALL MOUNTED 49 LED LUMINAIRE C/W SHEPHERD HOOK STYLE ARM (WALL BRACKET GALVANIZED STEEL) (DIMMED 40%)	EUROTIQUE LED (MUNICH STYLE) LUMINAIRE: EML17-T-49LED350LED-3K-GCF-208-R3-SF-DWH ARM: EAE4/I (GALVANIZED STEEL) WALL BRACKET: (TBD - SUBMIT SHOP DRAWING)
F		40° BEAM LED FLOOD UPLIGHT FOR CRANE	LUMEN PULSE - LBM-208-40K-FL-N-SY-CRC
		ROUND PLASTIC JUNCTION BOX	REFER TO DETAIL DRAWING 20
		120V OR 208V RPVC OR RGS CONDUIT AS NOTED	N/A
		TECK90 CABLE - SIZE AS NOTED	N/A

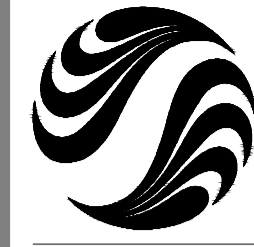
CONDUCTOR COLOUR CODE	
ITEM	CONDUCTOR COLOUR
LUMINAIRE CCT. PHASE A	RED
LUMINAIRE CCT. PHASE B	BLACK
LUMINAIRE CCT. PHASE C	BLUE
NEUTRAL	WHITE
GROUND/BOND	GREEN

**CONDUTOR COLOUR NOTES:**

- ALL NEW CONDUCTORS SHALL BE INSTALLED USING THE CONDUCTOR COLOUR CODE TABLE NOTED ABOVE.
- EXISTING CIRCUITS USED AND/OR BEING EXTENDED TO NEW DEVICES, THE CONDUCTOR COLOURS SHALL MATCH THE COLOUR CODE TABLE OR THE APPROPRIATE COLOUR TRACER TAPE SHALL BE USED.

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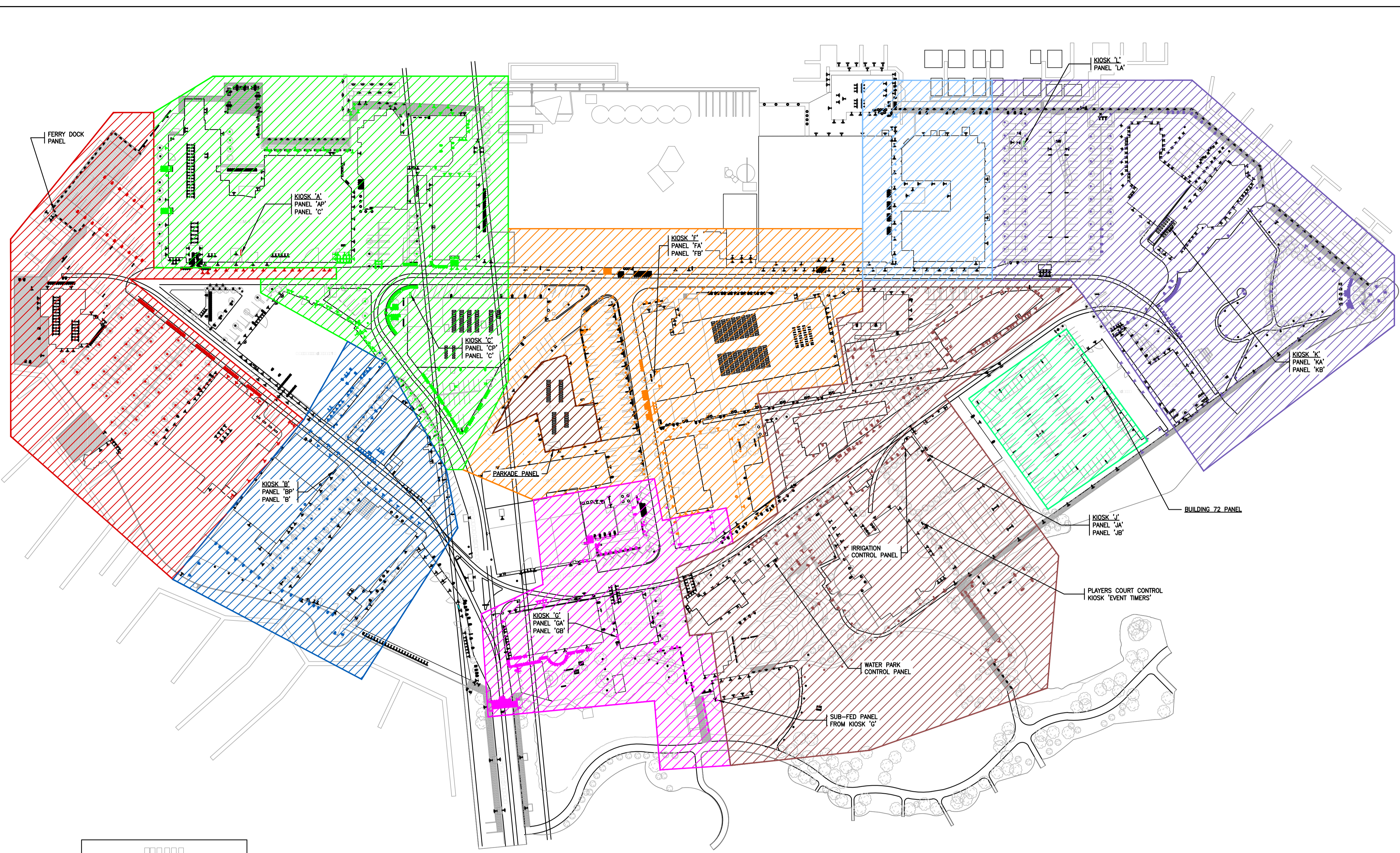
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Client/Project  
**CMHC SCHL  
 GRANVILLE ISLAND OFFICE**  
 GRANVILLE ISLAND  
 HEALTH & SAFETY UPGRADE  
 Vancouver BC Canada

Title  
**ELECTRICAL  
 SERVICE KEY PLAN**

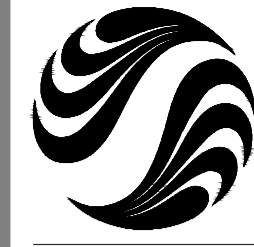
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**NOTE TO CONTRACTOR:**

- REMOVE ALL DEBRIS FROM SITE EACH DAY AND DISPOSE OF OR RECYCLE IN ACCORDANCE WITH GRANVILLE ISLAND RULES AND REGULATIONS AND CITY OF VANCOUVER BYLAWS.
- ALL LAMPS CONTAINING MERCURY & PCB'S SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL LAWS.

Legend

Notes

**AREA A1**

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 GRANVILLE ISLAND  
 HEALTH & SAFETY UPGRADE  
 Vancouver BC Canada

Title  
**PROPOSED LIGHTING LAYOUT 'AREA A1'**

Project No.	115612209	Scale	1:250
Drawing No.		Sheet	
		Revision	

**E03**

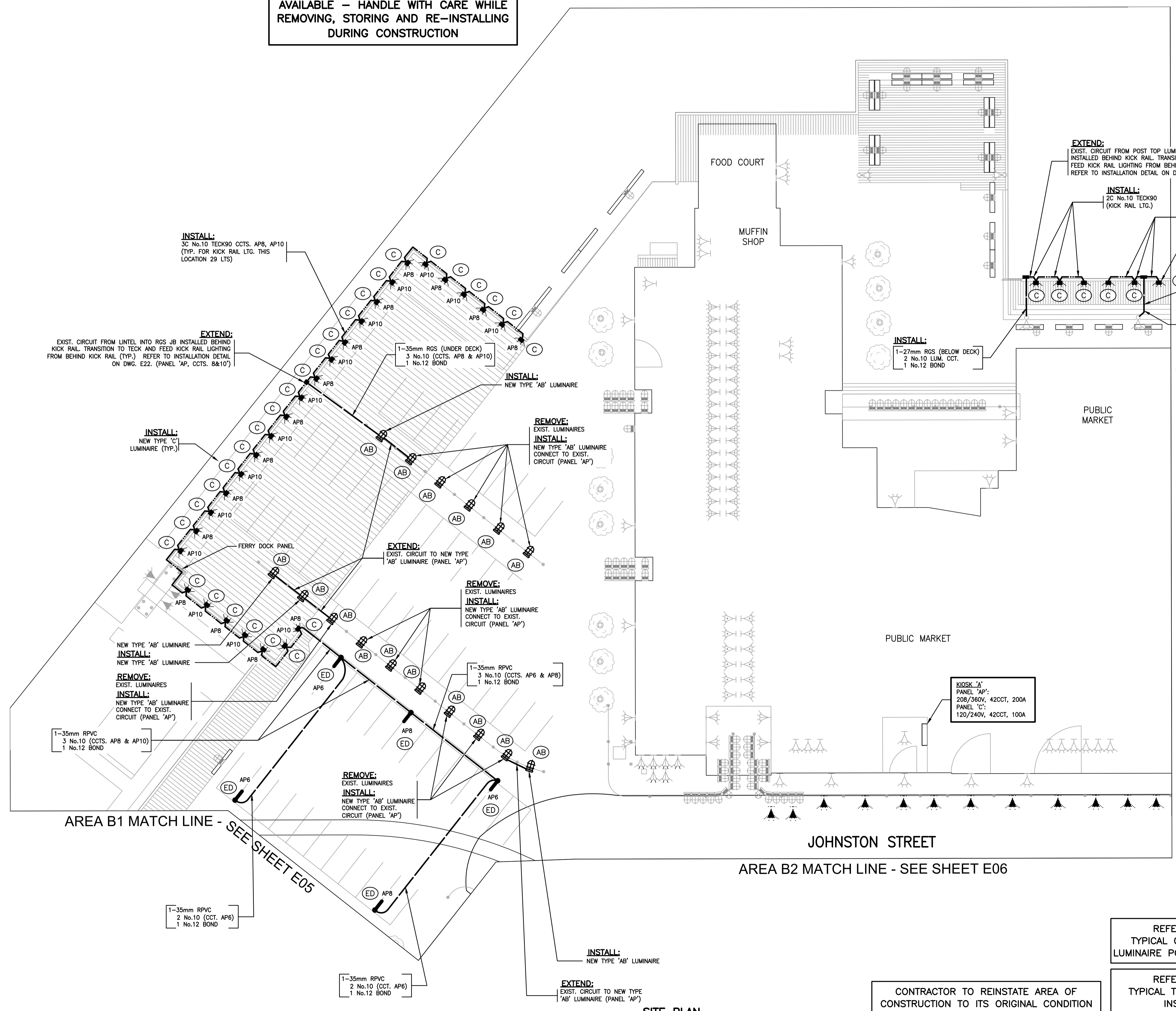
of

**EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION**

AREA A2 MATCH LINE - SEE SHEET E04

AREA B1 MATCH LINE - SEE SHEET E05

AREA B2 MATCH LINE - SEE SHEET E06



**208V LIGHTING**



CONTRACTOR TO REINSTATE AREA OF CONSTRUCTION TO ITS ORIGINAL CONDITION

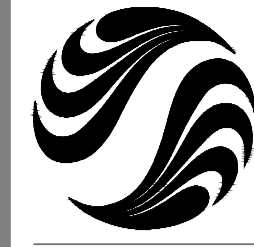
ALL OTHER LUMINAIRES SHOWN ON THIS DRAWING THAT ARE NOT IDENTIFIED DO NOT FORM PART OF THIS CONTRACT

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS

U:\115612209\drawings\115612209\_E03.dwg  
 2013/07/25 11:16 AM By: Foster, Luro



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2. ALL LAMPS CONTAINING MERCURY & PCB'S SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL LAWS.

Legend

Notes

AREA A2

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 13.07.19
Issued		By	Appd. YY.MM.DD
File Name:	115612209_E03.dwg	TS	CC LAF 13.07.17
		Dwn.	Chkd. Dsgn. YY.MM.DD

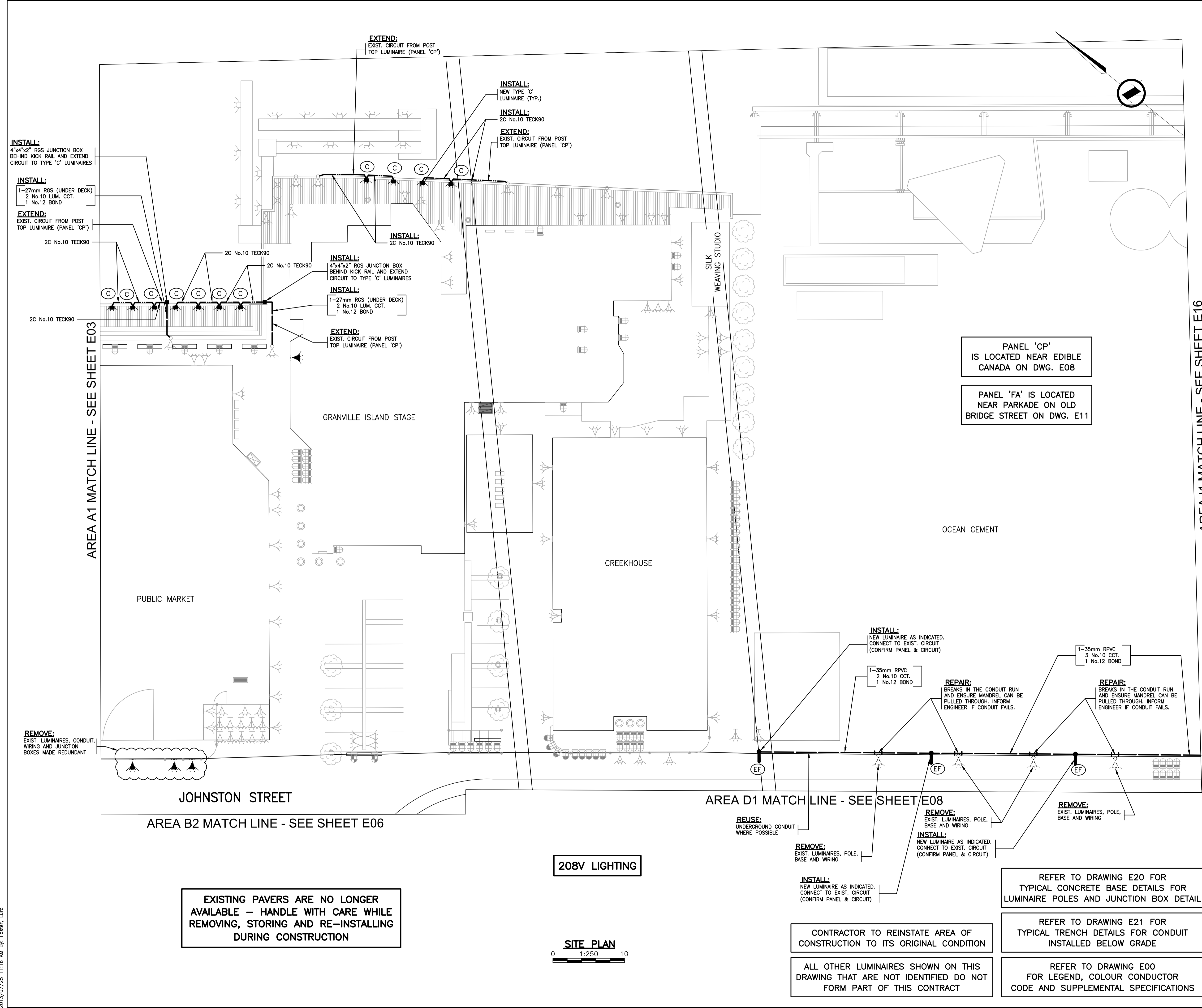
Permit-Seal

Client/Project  
 CMHC SCHL  
 GRANVILLE ISLAND OFFICE  
 GRANVILLE ISLAND  
 HEALTH & SAFETY UPGRADE  
 Vancouver BC Canada

Title  
 PROPOSED  
 LIGHTING LAYOUT  
 'AREA A2'

Project No.	115612209	Scale	1:250
Drawing No.		Sheet	Revision

E04



208V LIGHTING

SITE PLAN  
 0 1:250 10

EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION

CONTRACTOR TO REINSTATE AREA OF CONSTRUCTION TO ITS ORIGINAL CONDITION

ALL OTHER LUMINAIRE SHOWN ON THIS DRAWING THAT ARE NOT IDENTIFIED DO NOT FORM PART OF THIS CONTRACT

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

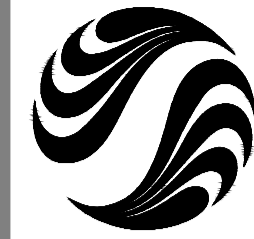
REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS

PANEL 'CP' IS LOCATED NEAR EDIBLE CANADA ON DWG. E08

PANEL 'FA' IS LOCATED NEAR PARKADE ON OLD BRIDGE STREET ON DWG. E11

U:\115612209\dwg\115612209\_E04.dwg  
 2013/07/25 11:18 AM By: Foster, Laura



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Legend

Notes

**AREA B1**

Revision By Appd. YY.MM.DD

1 ISSUED FOR TENDER LAF NH 13.07.19  
Issued By Appd. YY.MM.DD

File Name: 115612209\_E04.dwg TS CC LAF 13.07.17  
Dwn. Chkd. Dsgn. YY.MM.DD

Permit-Seal

Client/Project

CMHC SCHL  
GRANVILLE ISLAND OFFICE

GRANVILLE ISLAND  
HEALTH & SAFETY UPGRADE

Vancouver BC Canada

Title

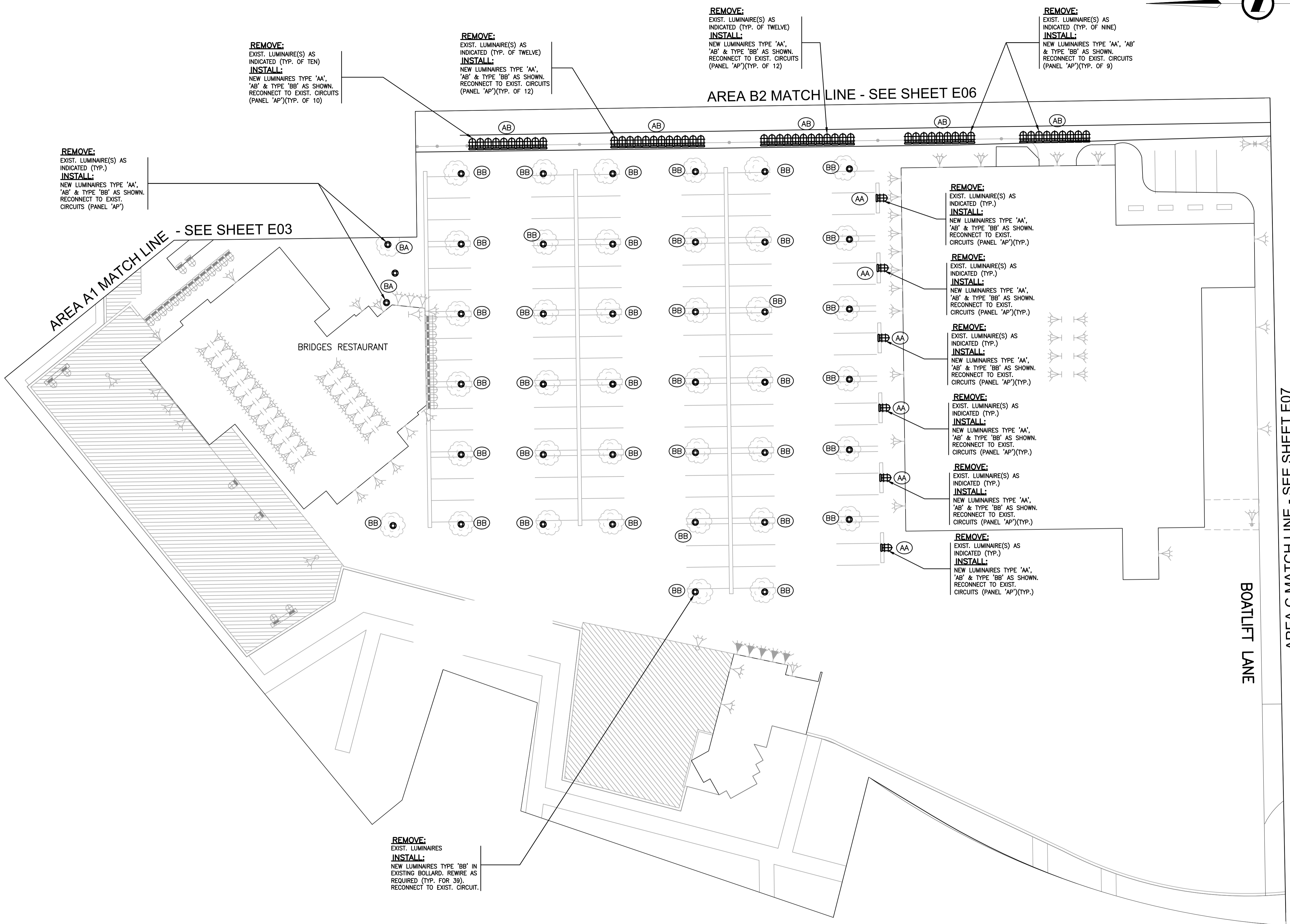
PROPOSED  
LIGHTING LAYOUT  
'AREA B1'

Project No. Scale  
115612209 1:250

Drawing No. Sheet Revision

**E05**

of



**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP. OF TEN)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP. OF 10)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP. OF TWELVE)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP. OF 12)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP. OF TWELVE)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP. OF 12)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP. OF NINE)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP. OF 9)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP.)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP.)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP.)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP.)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP.)

**REMOVE:**  
EXIST. LUMINAIRE(S) AS INDICATED (TYP.)  
**INSTALL:**  
NEW LUMINAIRES TYPE 'AA', 'AB' & TYPE 'BB' AS SHOWN. RECONNECT TO EXIST. CIRCUITS (PANEL 'AP')(TYP.)

**REMOVE:**  
EXIST. LUMINAIRES  
**INSTALL:**  
NEW LUMINAIRES TYPE 'BB' IN EXISTING BOLLARD. REWIRE AS REQUIRED (TYP. FOR 39). RECONNECT TO EXIST. CIRCUIT.

EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION

**SITE PLAN**  
0 1:250 10

**208V LIGHTING**

CONTRACTOR TO REINSTATE AREA OF CONSTRUCTION TO ITS ORIGINAL CONDITION

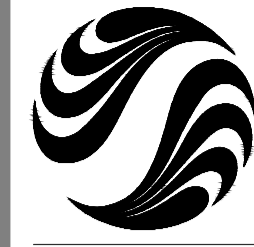
PANEL 'AP' IS LOCATED IN PUBLIC MARKET ELECTRICAL ROOM ON DWG. E02

ALL OTHER LUMINAIRES SHOWN ON THIS DRAWING THAT ARE NOT IDENTIFIED DO NOT FORM PART OF THIS CONTRACT

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS



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- ALL LAMPS CONTAINING MERCURY & PCB'S SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL LAWS.

Legend

Notes

**AREA B2**

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 13.07.19
Issued		By	Appd. YY.MM.DD
File Name:	115612209_E05.dwg	TS	CC LAF 13.07.17
		Dwn.	Chkd. Dsgn. YY.MM.DD

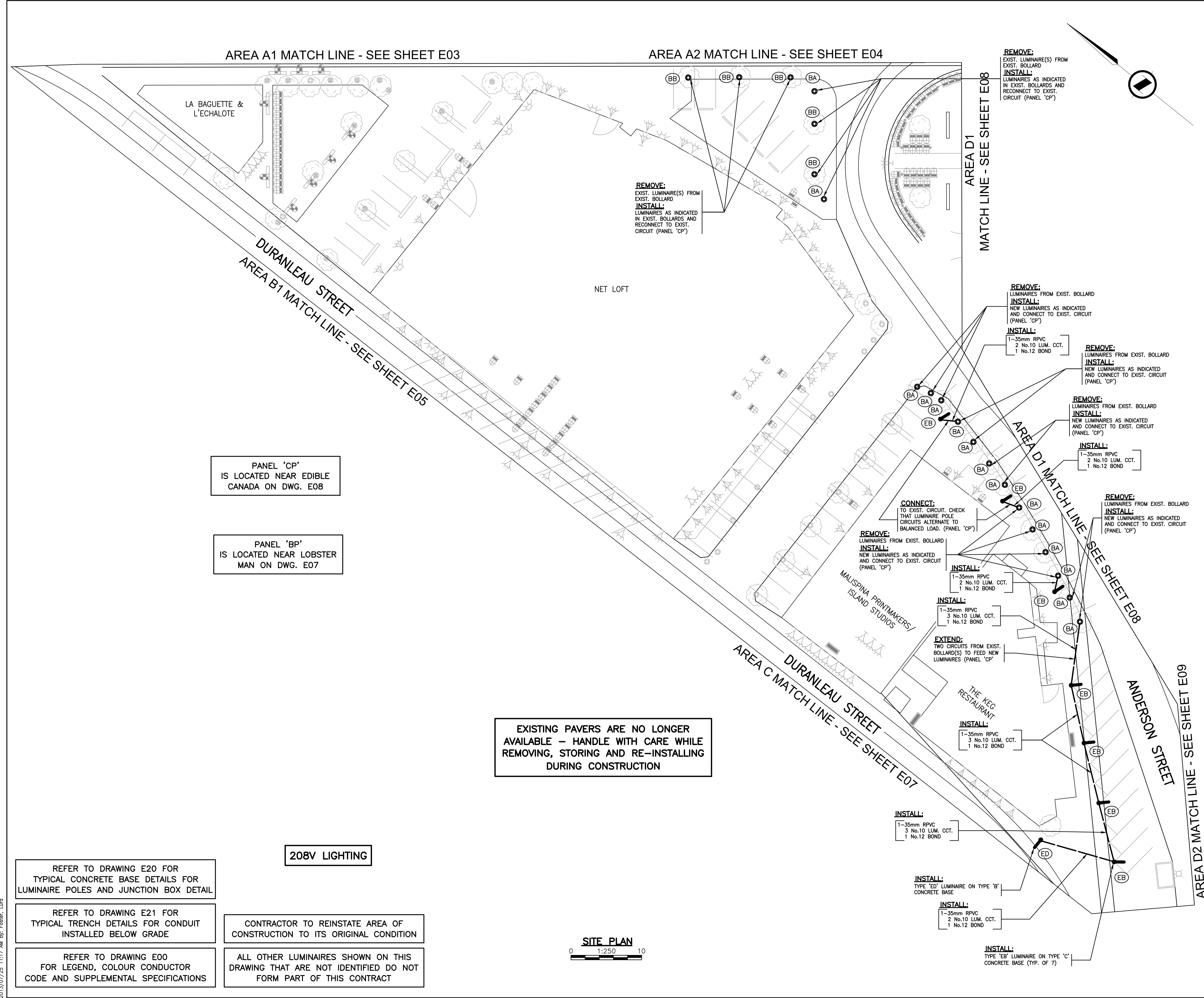
Permit-Seal

Client/Project  
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 GRANVILLE ISLAND  
 HEALTH & SAFETY UPGRADE  
 Vancouver BC Canada

Title  
**PROPOSED LIGHTING LAYOUT 'AREA B2'**

Project No. 115612209  
 Scale 1:250  
 Drawing No. Sheet Revision

E06 of -



AREA A1 MATCH LINE - SEE SHEET E03

AREA A2 MATCH LINE - SEE SHEET E04

AREA D1 MATCH LINE - SEE SHEET E08

DURANLEAU STREET  
 AREA B1 MATCH LINE - SEE SHEET E05

DURANLEAU STREET  
 AREA C MATCH LINE - SEE SHEET E07

ANDERSON STREET  
 AREA D2 MATCH LINE - SEE SHEET E09

PANEL 'CP'  
 IS LOCATED NEAR EDIBLE  
 CANADA ON DWG. E08

PANEL 'BP'  
 IS LOCATED NEAR LOBSTER  
 MAN ON DWG. E07

EXISTING PAVERS ARE NO LONGER  
 AVAILABLE - HANDLE WITH CARE WHILE  
 REMOVING, STORING AND RE-INSTALLING  
 DURING CONSTRUCTION

208V LIGHTING

REFER TO DRAWING E20 FOR  
 TYPICAL CONCRETE BASE DETAILS FOR  
 LUMINAIRE POLES AND JUNCTION BOX DETAIL

REFER TO DRAWING E21 FOR  
 TYPICAL TRENCH DETAILS FOR CONDUIT  
 INSTALLED BELOW GRADE

REFER TO DRAWING E00  
 FOR LEGEND, COLOUR CONDUCTOR  
 CODE AND SUPPLEMENTAL SPECIFICATIONS

CONTRACTOR TO REINSTATE AREA OF  
 CONSTRUCTION TO ITS ORIGINAL CONDITION

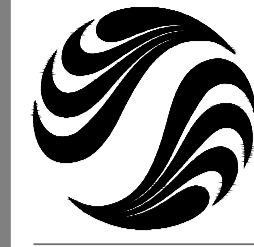
ALL OTHER LUMINAIRES SHOWN ON THIS  
 DRAWING THAT ARE NOT IDENTIFIED DO NOT  
 FORM PART OF THIS CONTRACT

**SITE PLAN**  
 0 1:250 10

U:\115612209\dwg\115612209\_E05.dwg  
 2013/07/25 11:17 AM By: Foster, Luro

ORIGINAL SHEET - ISO A1





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Legend

Notes

**AREA C**

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 13.07.19
Issued		By	Appd. YY.MM.DD
File Name:	115612209_E06.dwg	TS	CC LAF 13.07.17
		Dwn.	Chkd. Dsgn. YY.MM.DD

Permit-Seal

Client/Project  
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 GRANVILLE ISLAND  
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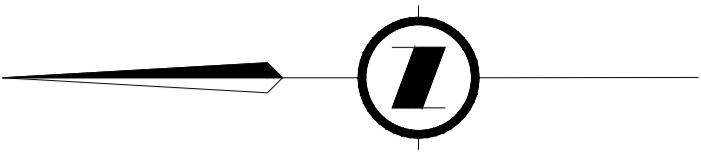
Title  
**PROPOSED LIGHTING LAYOUT 'AREA C'**

Project No. 115612209  
 Drawing No. \_\_\_\_\_

Scale 1:250  
 Sheet \_\_\_\_\_

Revision \_\_\_\_\_

EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION



KIOSK 'B':  
 PANEL 'BP':  
 208/380V, 42CCT, 200A  
 PANEL 'B':  
 120/208V, 42CCT, 100A

REMOVE:  
 EXIST. LUMINAIRE  
 INSTALL:  
 NEW LUMINAIRE AS INDICATED & RECONNECT TO EXIST. CIRCUIT.  
 CONTRACTOR TO CONFIRM CIRCUIT & PANEL

INSTALL:  
 1-35mm RPVC  
 2 No.10 LUM. CCT.  
 1 No.12 BOND

INSTALL:  
 TYPE 'EB' LUMINAIRE IN ISLAND  
 EXTEND:  
 CIRCUIT FROM EXIST. BOLLARD, CONFIRM PANEL AND CIRCUIT NUMBER

INSTALL:  
 TYPE 'EJ' LUMINAIRE IN ISLAND  
 EXTEND:  
 CIRCUIT FROM EXIST. BOLLARD, CONFIRM PANEL AND CIRCUIT NUMBER

INSTALL:  
 TYPE 'EB' LUMINAIRE IN ISLAND  
 EXTEND:  
 CIRCUIT FROM EXIST. BOLLARD, CONFIRM PANEL AND CIRCUIT NUMBER

INSTALL:  
 1-35mm RPVC  
 2 No.10 LUM. CCT.  
 1 No.12 BOND

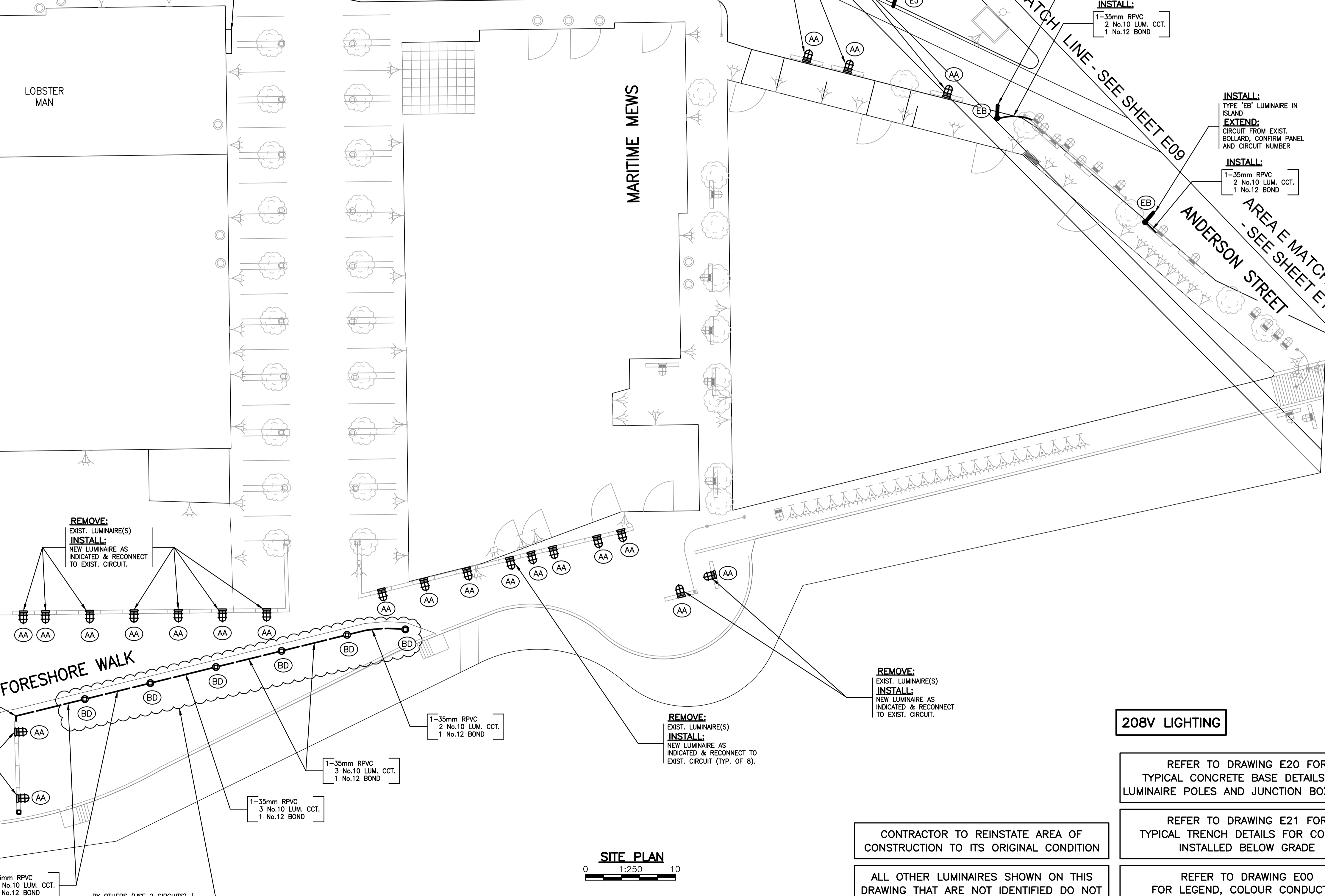
INSTALL:  
 TYPE 'EB' LUMINAIRE IN ISLAND  
 EXTEND:  
 CIRCUIT FROM EXIST. BOLLARD, CONFIRM PANEL AND CIRCUIT NUMBER

INSTALL:  
 1-35mm RPVC  
 2 No.10 LUM. CCT.  
 1 No.12 BOND

AREA B2 MATCH LINE - SEE SHEET E06  
 DURANLEAU STREET

AREA D2 MATCH LINE - SEE SHEET E09  
 ANDERSON STREET  
 AREA E MATCH LINE - SEE SHEET E10

AREA B1 MATCH LINE - SEE SHEET E05



REMOVE:  
 EXIST. LUMINAIRE(S)  
 INSTALL:  
 NEW LUMINAIRE AS INDICATED & RECONNECT TO EXIST. CIRCUIT.

EXTEND:  
 TWO CIRCUITS TO NEW BOLLARDS FROM BENCH LIGHTING (BY OTHERS)

REMOVE:  
 EXIST. LUMINAIRE(S)  
 INSTALL:  
 NEW LUMINAIRE AS INDICATED & RECONNECT TO EXIST. CIRCUIT.

BY OTHERS (USE 2 CIRCUITS)  
 EXTEND FROM BENCH LIGHTING

REMOVE:  
 EXIST. LUMINAIRE(S)  
 INSTALL:  
 NEW LUMINAIRE AS INDICATED & RECONNECT TO EXIST. CIRCUIT (TYP. OF Ø).

REMOVE:  
 EXIST. LUMINAIRE(S)  
 INSTALL:  
 NEW LUMINAIRE AS INDICATED & RECONNECT TO EXIST. CIRCUIT.

**208V LIGHTING**

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

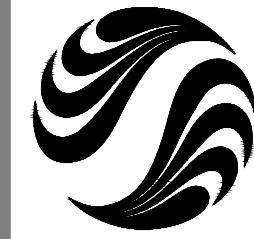
REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS

CONTRACTOR TO REINSTATE AREA OF CONSTRUCTION TO ITS ORIGINAL CONDITION

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Legend

Notes

**AREA D2**

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 13.07.19
Issued		By	Appd. YY.MM.DD
File Name:	115612209_E09.dwg	TS	CC LAF 13.07.17
		Dwn.	Chkd. Dsgn. YY.MM.DD

Permit-Seal

Client/Project

CMHC SCHL  
GRANVILLE ISLAND OFFICE  
  
GRANVILLE ISLAND  
HEALTH & SAFETY UPGRADE  
Vancouver BC Canada

Title

PROPOSED  
LIGHTING LAYOUT  
'AREA D2'

Project No.	115612209	Scale	1:250
Drawing No.		Sheet	Revision

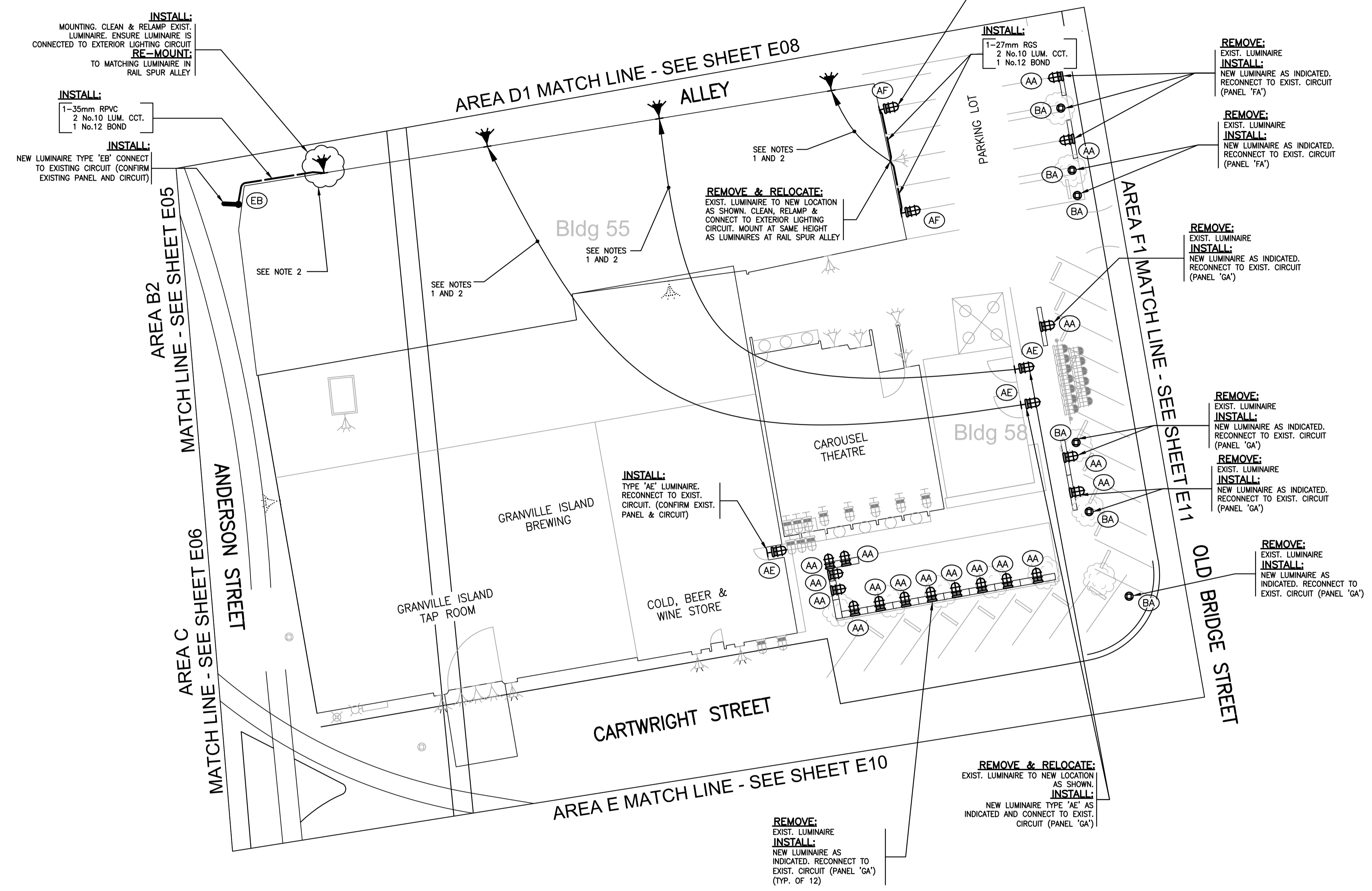
E09

of

-

**NOTES:**

1. REMOVE AND RELOCATE EXISTING LUMINAIRE TO ALLEY. MOUNTING HEIGHT TO MATCH SAME HEIGHT OF LUMINAIRES IN RAIL SPUR ALLEY.
2. RELAMP AS REQUIRED. LAMP TYPES VARY THROUGH GRANVILLE ISLAND. ENSURE LAMP COLOUR TEMPERATURE AND LUMEN OUTPUT IS CONSISTENT. SUBMIT SHOP DRAWING FOR EACH LAMP TYPE: COLOUR TEMPERATURE MOST CRITICAL, 3000K. NO OTHER COLOUR TEMPERATURE IS ACCEPTABLE.



EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION

PANEL 'GA' IS LOCATED ON THE WEST SIDE OF WATER FRONT THEATRE ON DWG. E10

PANEL 'FA' IS LOCATED NEAR PARKADE ON OLD BRIDGE STREET ON DWG. E11

**208V LIGHTING**

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

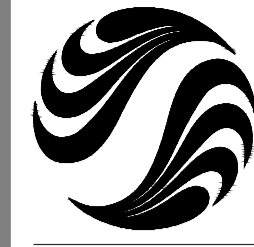
REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS

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Legend

Notes

**AREA E**

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 13.07.19
Issued		By	Appd. YY.MM.DD
File Name:	115612209_E10.dwg	TS	CC LAF 13.07.17
		Dwn.	Chkd. Dsgn. YY.MM.DD

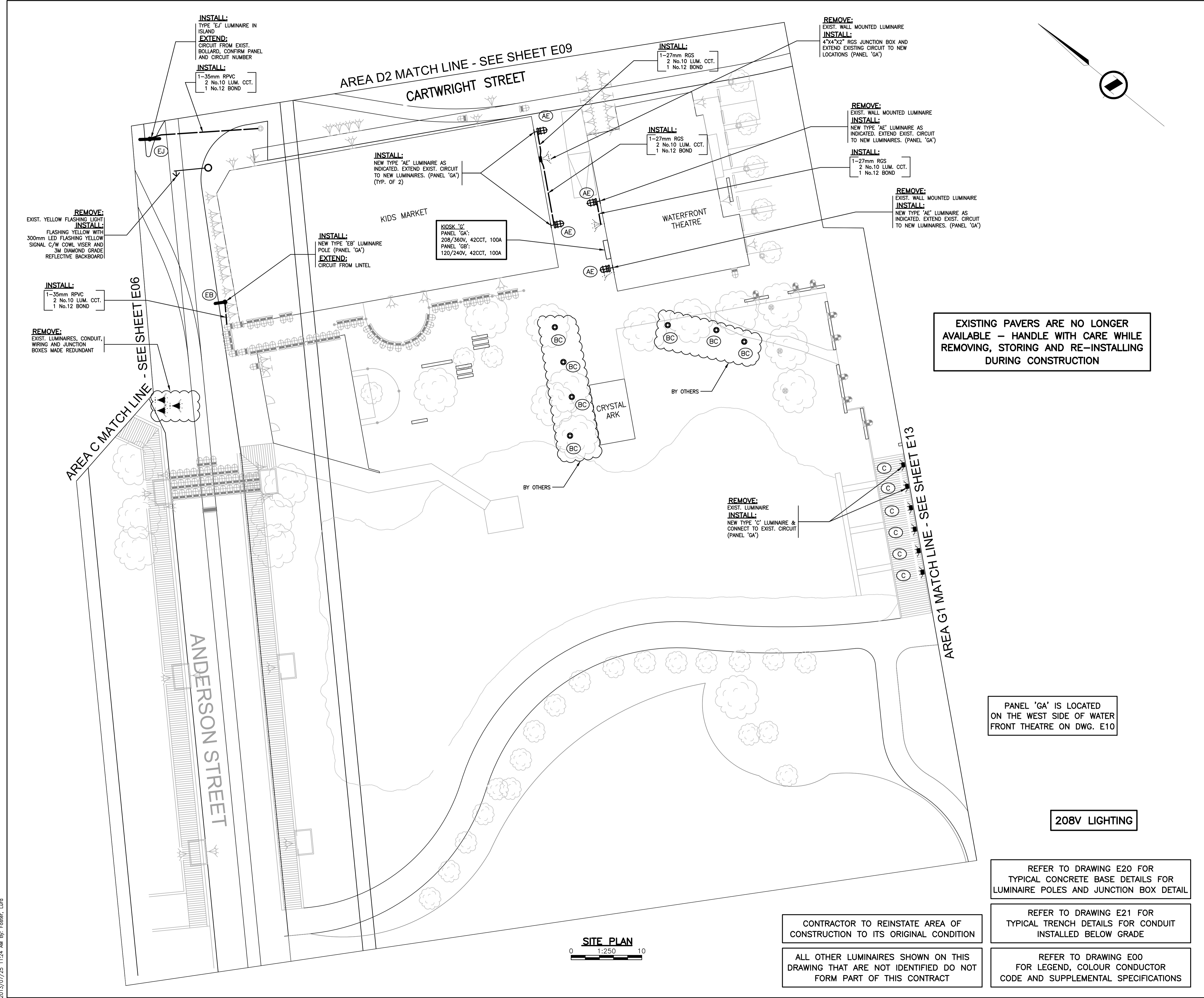
Permit-Seal

Client/Project  
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 GRANVILLE ISLAND  
 HEALTH & SAFETY UPGRADE  
 Vancouver BC Canada

Title  
**PROPOSED LIGHTING LAYOUT 'AREA E'**

Project No. 115612209 Scale 1:250  
 Drawing No. Sheet Revision

E10 of -



EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION

PANEL 'GA' IS LOCATED ON THE WEST SIDE OF WATER FRONT THEATRE ON DWG. E10

**208V LIGHTING**

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

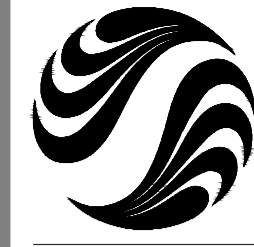
REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS

CONTRACTOR TO REINSTATE AREA OF CONSTRUCTION TO ITS ORIGINAL CONDITION

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**SITE PLAN**  
 0 1:250 10

U:\115612209\dwg\115612209\_E10.dwg  
 2013/07/25 11:24 AM By: Foster, Luca



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Consultants

**NOTE TO CONTRACTOR:**

- REMOVE ALL DEBRIS FROM SITE EACH DAY AND DISPOSE OF OR RECYCLE IN ACCORDANCE WITH GRANVILLE ISLAND RULES AND REGULATIONS AND CITY OF VANCOUVER BYLAWS.
- ALL LAMPS CONTAINING MERCURY & PCB'S SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL LAWS.

Legend

Notes

**AREA F1**

Revision	By	Appd.	YY.MM.DD
1	ISSUED FOR TENDER	LAF	NH 13.07.19
	Issued	By	Appd. YY.MM.DD
	File Name: 115612209_E11.dwg	TS	CC LAF 13.07.17
		Dwn.	Chkd. Dsgn. YY.MM.DD

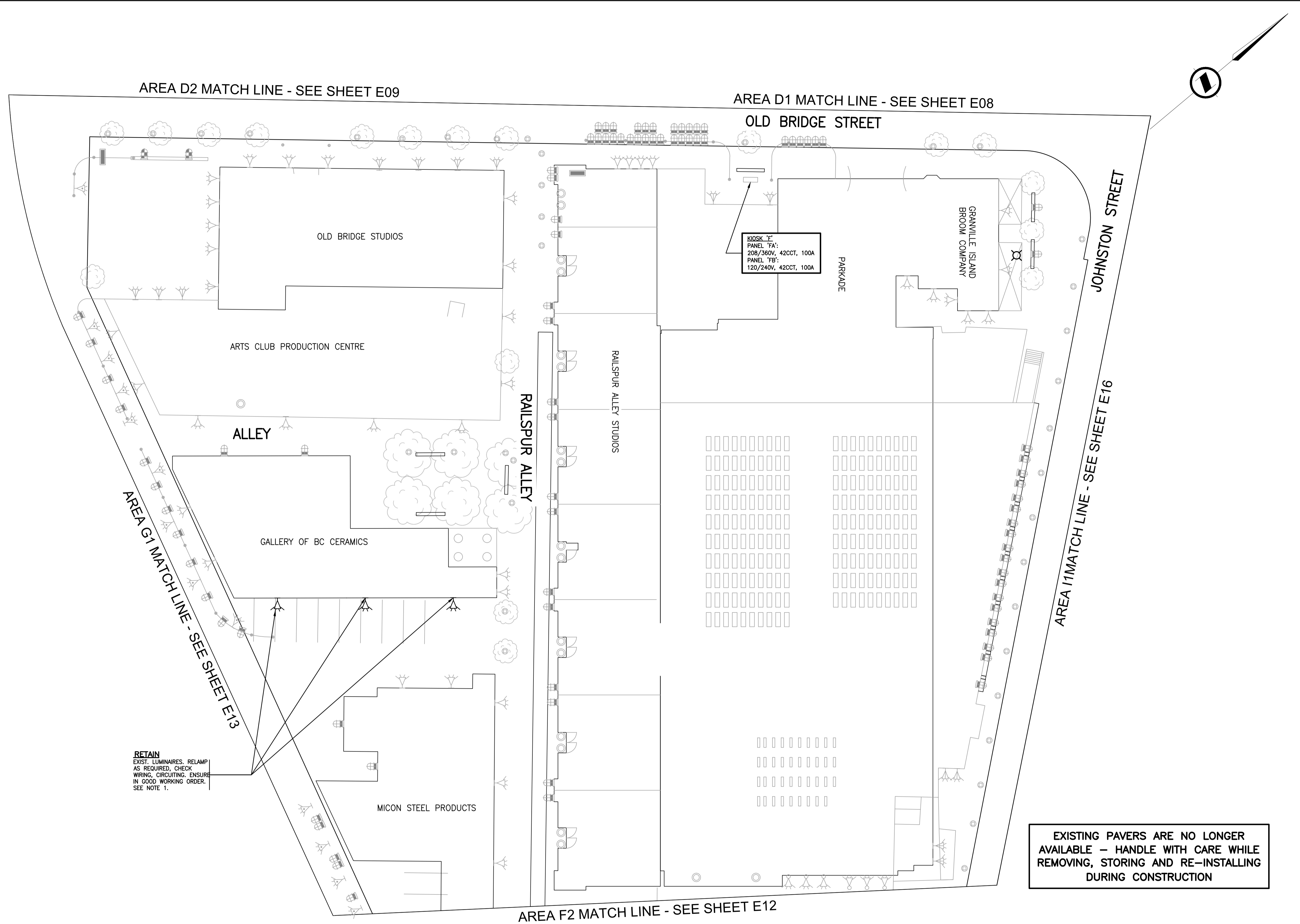
Permit-Seal

Client/Project  
 CMHC SCHL  
 GRANVILLE ISLAND OFFICE  
 GRANVILLE ISLAND  
 HEALTH & SAFETY UPGRADE  
 Vancouver BC Canada

Title  
**PROPOSED LIGHTING LAYOUT 'AREA F1'**

Project No. 115612209 Scale 1:250  
 Drawing No. Sheet Revision

E11 of -



AREA D2 MATCH LINE - SEE SHEET E09

AREA D1 MATCH LINE - SEE SHEET E08

AREA G1 MATCH LINE - SEE SHEET E13

AREA I1 MATCH LINE - SEE SHEET E16

AREA F2 MATCH LINE - SEE SHEET E12

RETAIN EXIST. LUMINAIRES. RELAMP AS REQUIRED. CHECK WIRING, CIRCUITING. ENSURE IN GOOD WORKING ORDER. SEE NOTE 1.

KIOSK 'E'  
 PANEL 'FA':  
 208/300V, 42CCT, 100A  
 PANEL 'FB':  
 120/240V, 42CCT, 100A

EXISTING PAVERS ARE NO LONGER AVAILABLE - HANDLE WITH CARE WHILE REMOVING, STORING AND RE-INSTALLING DURING CONSTRUCTION

**NOTE:**

- RELAMP AS REQUIRED. LAMP TYPES VARY THROUGH GRANVILLE ISLAND, ENSURE LAMP COLOUR TEMPERATURE AND LUMEN OUTPUT IS CONSISTENT. SUBMIT SHOP DRAWING FOR EACH LAMP TYPE. COLOUR TEMPERATURE MOST CRITICAL. 3000K. NO OTHER COLOUR TEMPERATURE IS ACCEPTABLE.

**208V LIGHTING**

CONTRACTOR TO REINSTATE AREA OF CONSTRUCTION TO ITS ORIGINAL CONDITION

ALL OTHER LUMINAIRES SHOWN ON THIS DRAWING THAT ARE NOT IDENTIFIED DO NOT FORM PART OF THIS CONTRACT

REFER TO DRAWING E20 FOR TYPICAL CONCRETE BASE DETAILS FOR LUMINAIRE POLES AND JUNCTION BOX DETAIL

REFER TO DRAWING E21 FOR TYPICAL TRENCH DETAILS FOR CONDUIT INSTALLED BELOW GRADE

REFER TO DRAWING E00 FOR LEGEND, COLOUR CONDUCTOR CODE AND SUPPLEMENTAL SPECIFICATIONS



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 2013/07/25 11:26 AM By: Foster, Luro