




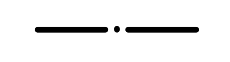


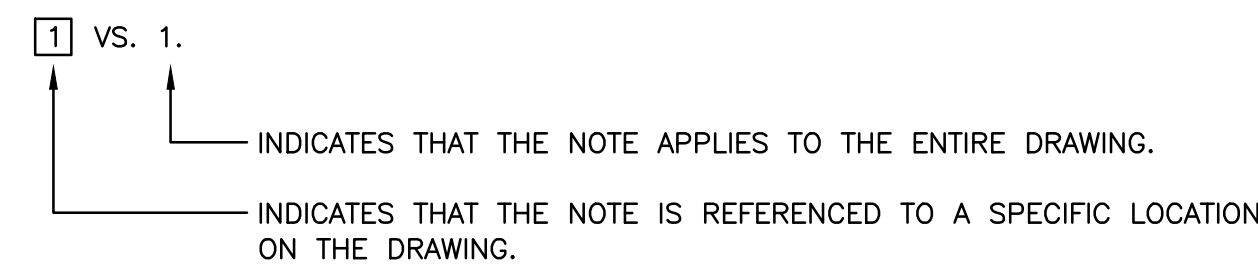
INSTITUTE OF OCEAN SCIENCES PARKING LOT "C" ISSUED FOR TENDER

SYMBOL LEGEND	
POWER	
	IN-GROUND JUNCTION BOX
	PANEL - TYPE AS INDICATED
	POLE MOUNT LUMINAIRE
EQUIPMENT IDENTIFIERS	
	LUMINAIRE TYPE TAG

LINE TYPE LEGEND	
LINE	DESCRIPTION
	120/240V CONDUIT/CABLE
	347/600V CONDUIT/CABLE

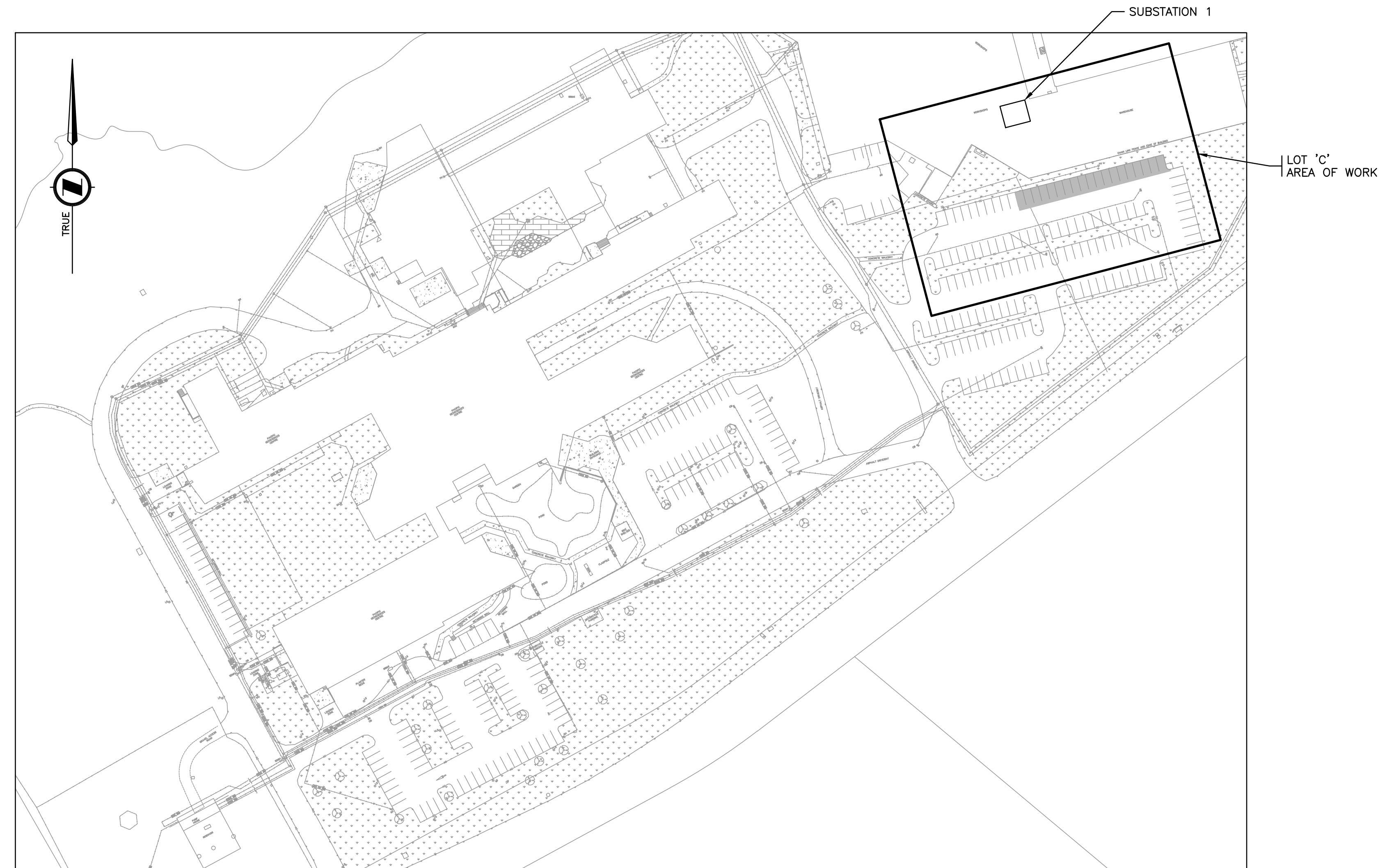
DRAWING INDEX		
DRAWING NO.	REV	DESCRIPTION
E000	0	LEGEND, DRAWING INDEX, & KEY PLAN
E001	0	SPECIFICATIONS & NOTES
E010	0	LOT 'C' PARKING LOT LIGHTING - EXISTING & PROPOSED
E020	0	DETAILS & LUMINAIRE SCHEDULE

NOTES LEGEND:



NOMENCLATURE:

EPO - EMERGENCY POWER OFF
JB - JUNCTION BOX
TYP - TYPICAL



KEY PLAN
0 1:1000 50



CLIENT						PBX ENGINEERING			
PROJECT						TITLE			
INSTITUTE OF OCEAN SCIENCES PARKING LOT 'C'						LEGEND, DRAWING INDEX, & KEYPLAN			
Rev.	DATE	ISSUE / REVISION DESCRIPTION	DESN	QC	QA	SCALE AS SHOWN	PROJECT NUMBER 17256-01	DRAWING NUMBER E000	REV. 0
0	18JUN27	ISSUED FOR TENDER	ABS	RA	RA				
P1	18JUN22	ISSUED FOR COORDINATION	ABS	RA	RA				

ELECTRICAL SPECIFICATIONS:

1.0 GENERAL

1.1 SCOPE:

- THE SCOPE OF THIS PROJECT INCLUDES BUT IS NOT LIMITED TO:
 - PROVISION OF ADDITIONAL PARKING LOT LUMINAIRES, LUMINAIRE STANDARDS, AND BASES.
 - RELOCATION OF EXISTING LUMINAIRES AND LUMINAIRE STANDARDS, AND PROVISION OF NEW BASES FOR INSTALLATION OF STANDARDS IN RELOCATED POSITION.
 - PROVISIONS OF IN-GROUND JUNCTION BOXES TO SPLICE AND EXTEND WIRING FROM EXISTING LUMINAIRE STANDARD LOCATIONS TO NEW LOCATIONS.
- NO MODIFICATIONS TO THE EXISTING PARKING LOT LIGHTING CONTROLS ARE ANTICIPATED.

1.2 GENERAL MATERIALS AND LABOUR:

- PERFORM ELECTRICAL INSTALLATIONS SO AS TO FORM COMPLETE AND OPERATING SYSTEMS. PROVIDE EVERYTHING NECESSARY TO FORM A COMPLETE AND OPERATING SYSTEM EVEN IF NOT SPECIFICALLY CALLED FOR IN THESE DRAWINGS AND SPECIFICATIONS.
- ALL INSTALLATIONS ARE TO COMPLY WITH THE CANADIAN ELECTRICAL CODE, THE BRITISH COLUMBIA BUILDING CODE AND THE REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION.
- OBTAIN ALL PERMITS REQUIRED BY LOCAL AUTHORITIES PRIOR TO BEGINNING WORK. PROVIDE A FINAL ACCEPTANCE CERTIFICATE FROM THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION UPON COMPLETION OF THE WORK.
- SUBMIT TO THE LOCAL INSPECTION DEPARTMENT THE REQUIRED NUMBER OF DRAWING SETS AND INCLUDE IN THIS TENDER ALL COSTS FOR DRAWING PRINTS, PLAN REVIEWS, PERMIT COSTS AND SURVEYS.
- NOTIFY THE ENGINEER OF ANY CHANGES REQUESTED BY THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION PRIOR TO MAKING SAID CHANGES.
- THE WORD "PROVIDE" MEANS THE SUPPLY, DELIVERY AND INSTALLATION OF DEVICE OR EQUIPMENT REFERENCED TO THE LEVEL REQUIRED TO BE COMPLETE AND OPERATIONAL. "SUPPLY" MEANS TO OBTAIN AND DELIVER TO THE PROJECT SITE, READY FOR UNPACKING ASSEMBLY AND INSTALLATION. "INSTALL" MEANS THE UNLOADING, UNPACKING, ASSEMBLING, ERECTING, APPLYING, FINISHING, PROTECTING, CLEANING AND SIMILAR OPERATIONS AT THE PROJECT SITE TO COMPLETE ITEMS OF WORK SUPPLIED BY OTHERS.
- EXAMINE THE SITE PRIOR TO SUBMITTING TENDER. NO EXTRAS WILL BE PROVIDED FOR WORK THAT WOULD HAVE BEEN EVIDENT UPON A THOROUGH INVESTIGATION OF THE SITE.
- PROVIDE COPIES OF THE ENGINEERED DRAWINGS TO LOCAL UTILITY SUPPLY AUTHORITIES. PRIOR TO ORDERING MATERIALS OR PERFORMING WORK, NOTIFY ENGINEER OF ANY REVISIONS TO THE WORK REQUIRED BY UTILITY SUPPLY AUTHORITIES.

1.3 MATERIALS AND WORKMANSHIP:

- EQUIPMENT AND MATERIAL TO BE NEW AND CERTIFIED BY AN ACCREDITED CERTIFICATION BODY OF THE STANDARDS COUNCIL OF CANADA (SCC). WHERE THERE IS NO ALTERNATIVE TO SUPPLYING EQUIPMENT WHICH IS NOT SCC APPROVED, OBTAIN SPECIAL APPROVAL AND PAY ALL ASSOCIATED FEES. NOTIFY ENGINEER PRIOR TO SUPPLYING MATERIAL THAT IS NOT SCC APPROVED.
- KEEP A COMPETENT FOREMAN AND TRADESMEN QUALIFIED FOR WORK IN THE PROVINCE OR TERRITORY OF THE PROJECT LOCATION AT ALL TIMES DURING WORK IN PROGRESS. ALL WORKERS ON THE SITE ARE TO BE SATISFACTORY TO THE ENGINEER.
- OBTAIN CLARIFICATION FROM THE ENGINEER WHERE THE INTENT OF THE DRAWINGS OR SPECIFICATIONS IS NOT CLEAR. MAKE CORRECTIONS TO WORK PERFORMED CONTRARY TO THE INTENT OF THE DRAWINGS OR SPECIFICATIONS AND BEAR ALL COSTS FOR MAKING SAID CORRECTIONS.
- COORDINATE ALL WORK DESCRIBED BY THESE DRAWINGS AND SPECIFICATIONS WITH THAT OF OTHER TRADES WORKING ON THE SITE SO AS TO NOT HOLD UP THE PROGRESS OF OTHER TRADES.
- NO SUBSTITUTION OF MATERIALS IS PERMITTED WITHOUT THE WRITTEN ACCEPTANCE OF THE ENGINEER 10 DAYS PRIOR TO TENDER CLOSING.

1.4 CUTTING, PATCHING, EXCAVATION & BACKFILLING:

- ARRANGE AND PAY FOR ALL CUTTING, PATCHING, EXCAVATION AND BACKFILLING COSTS RELATED TO THE WORK OF THIS CONTRACT.
- RESTORE ALL EXCAVATIONS TO ORIGINAL CONDITION SUBSEQUENT TO COMPLETION OF ELECTRICAL INSTALLATIONS DESCRIBED IN THESE DRAWINGS AND SPECIFICATIONS.
- SURROUND ALL CABLES OR CONDUITS INSTALLED IN TRENCHES WITH SAND OR 200MM NOMINAL SCREENED EARTH AS INDICATED ON DETAILS AND AS REQUIRED BY THE C.E.C.

1.5 FIRE RATED ASSEMBLIES:

- NOT REQUIRED.

1.6 SUBMITTALS:

- SUBMIT SHOP DRAWINGS CLEARLY INDICATING DETAILS OF MATERIAL FABRICATION, LAYOUT, DIMENSIONS, CAPACITIES, PERFORMANCE CHARACTERISTICS, CERTIFICATION STANDARDS, WEIGHT, WIRING DIAGRAMS AND OTHER PERTINENT INFORMATION.
- PROVIDE SHOP DRAWINGS FOR ALL EQUIPMENT INCLUDED. SHOP DRAWINGS SUBMITTED TO THE ENGINEER ARE TO HAVE THE PRIOR APPROVAL STAMPS OF THE CONTRACTOR.
- THE CONTRACTOR IS TO PROVIDE ONE SET OF DRAWINGS TO BE USED AS RECORD DRAWINGS ON SITE. MAINTAIN A DAILY RECORD OF REVISIONS AND ADDITIONS TO THE ORIGINAL WORK. ALL MARKINGS ARE TO BE DONE NEATLY IN A COLOUR OTHER THAN BLACK, BLUE OR GRAY. TURNOVER RECORD MARK-UPS TO ENGINEER.
- PROVIDE TO THE ENGINEER THREE (3) COPIES OF OPERATING AND MAINTENANCE MANUALS THREE WEEKS PRIOR TO SUBSTANTIAL COMPLETION. MANUALS ARE TO INCLUDE:
 - INDEX OF CONTENTS
 - HARD PAPER DIVIDERS BETWEEN SECTIONS
 - LIST OF SUPPLIERS WITH ADDRESSES, PHONE NUMBERS AND CONTACTS
 - HEAVY DUTY, 3-POST EXPANDABLE BINDERS WITH EMBOSSED PROJECT TITLE, PROJECT LOCATION, DATE OF COMPLETION, NAME AND ADDRESS OF CONSULTANTS, NAME AND ADDRESS OF CONTRACTOR
 - CONTRACTOR'S WARRANTY
 - ALL CERTIFICATIONS INCLUDING INSPECTION DEPARTMENT CERTIFICATES, FIRE ALARM VERIFICATION CERTIFICATES AND ANY OTHER REQUIRED APPROVALS
 - ALL SHOP DRAWINGS SEPARATED BY SECTIONS
 - DESCRIPTION OF SYSTEM OPERATIONS
 - ALL MANUFACTURER'S OPERATING AND MAINTENANCE INFORMATION FOR EACH RELEVANT PIECE OF EQUIPMENT
 - SPARE PARTS LISTING

1.7 TESTING:

- PROVIDE TO THE ENGINEER THE RESULTS OF ALL TESTS IN WRITTEN FORM.
- PERFORM TESTS ON ALL EQUIPMENT AS RECOMMENDED BY THE MANUFACTURER.
- MEGGER TEST ALL FEEDERS PRIOR TO ENERGIZING.
- MEASURE LOAD CURRENTS ON ALL PANELBOARDS AND RECONNECT IF LOAD ON ANY ONE PHASE EXCEEDS 15% OF THE AVERAGE OF ALL OTHER PHASES.
- TAKE VOLTAGE READINGS AND ADJUST TRANSFORMER TAP SETTINGS IF NECESSARY.

1.8 WARRANTY:

- PROVIDE A WRITTEN WARRANTY GUARANTEEING THAT THE WORK PERFORMED WILL BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AND THAT ANY DEFECTIVE WORK OR MATERIAL WILL BE REPAIRED OR REPLACED WITHOUT COST TO THE OWNER DURING THIS PERIOD PROVIDED THAT SUCH FAILURES ARE NOT DUE TO IMPROPER USAGE OR NEGLIGENCE.
- THE WARRANTY SHALL STATE THAT THE PERIOD OF GUARANTEE WILL IN NO WAY SUPPLANT ANY OTHER GUARANTEE OF A LONGER PERIOD.

2.0 PRODUCTS AND EXECUTION

2.1 WIRING AND CONDUIT:

- BUILDING WIRING TO BE COPPER RW90 XLPE, INSTALLED IN CONDUIT, EXCEPT WHERE OTHERWISE INDICATED ON THESE DRAWINGS OR SPECIFICATIONS.
- TECK CABLE TO BE RW90, 1000 VOLT, COPPER WITH GROUNDING CONDUCTOR AND ALUMINUM INTERLOCKING ARMOUR. CABLE IS TO BE ROUTED INSIDE SUITABLY SIZED RIGID CONDUIT WHERE CABLE IS EXPOSED TO MECHANICAL INJURY. SUNLIGHT RESISTANT.
- ENSURE THAT CONDUIT IS DRY PRIOR TO WIRING INSTALLATION. SEAL CONDUIT THAT MAY BECOME EXPOSED TO MOISTURE.
- RUN CONDUIT PARALLEL TO BUILDING LINES EXCEPT WHERE SPECIFICALLY INDICATED.
- DO NOT CUT STRUCTURAL MEMBERS EXCEPT WHERE SPECIFICALLY INDICATED.
- PROVIDE PULL CORD IN ALL EMPTY CONDUIT RUNS THAT EXCEED 3 METERS IN LENGTH OR THE TOTAL SUM OF BENDS EXCEED 90 DEGREES.
- CONDUIT IN EARTH SUSCEPTIBLE TO FREEZING SHALL BE RIGID STEEL CONDUIT IN EARTH NOT SUSCEPTIBLE TO FREEZING SHALL BE RIGID PVC CONDUIT.

2.2 WIRING DEVICES AND FIXTURES:

- PROVIDE LUMINAIRES AS INDICATED ON LUMINAIRE SCHEDULE. LUMINAIRES TO BE COMPLETE WITH ALL TERMINATIONS, BALLASTS AND LAMPS AND ARE TO BE LEFT CLEAN AT PROJECT COMPLETION.

2.3 IDENTIFICATION:

- LABEL STARTERS, PANELS, MOTOR DISCONNECTS, SWITCHES (EXCEPT FOR STANDARD TYPE) AND SPECIAL EQUIPMENT WITH PERMANENTLY ATTACHED, LAMACOID LABELS INDICATING RELEVANT INFORMATION. LABELS TO HAVE WHITE 13.5 MM (1/2") LETTERING ON BLACK BACKGROUND.

2.4 GROUNDING:

- PROVIDE GROUNDING INSTALLATIONS NECESSARY TO MEET THE REQUIREMENTS OF THE CURRENT CANADIAN ELECTRICAL CODE AND ADDITIONAL REQUIREMENTS INDICATED ON THESE DRAWINGS OR SPECIFICATIONS.

2.5 LOW VOLTAGE LIGHTING CONTROL:

- NOT REQUIRED.

2.6 PHOTOCELL:

- NOT REQUIRED.

2.7 PULLBOXES/JUNCTION BOXES:

- THE ELECTRICAL TRADE SHALL SUPPLY AND INSTALL PULLBOXES AS REQUIRED TO SUIT DESIGN INTENT AND SITE CONDITIONS. PULLBOXES SHALL CONFORM TO CANADIAN ELECTRICAL CODE REQUIREMENTS.
- ALL EXTERIOR PULLBOXES TO HAVE SUITABLE DRAINS.
- WHERE PULLBOX IS INSTALLED IN VEHICLE RATED AREAS, PULLBOX TO HAVE H-20 LOAD RATING.

2.8 FIRE ALARM SYSTEM:

- NOT REQUIRED.

2.9 PANELBOARDS:

- NOT REQUIRED.

2.10 SERVICE ENTRANCE BOARD:

- NOT REQUIRED.

2.11 SERVICE ENTRANCE ENCLOSED BREAKER:

- NOT REQUIRED.

2.12 MOTOR STARTERS:

- NOT REQUIRED.

2.13 INTRUSION ALARM SYSTEM:

- NOT REQUIRED.

2.14 STRUCTURED WIRING SYSTEM:

- NOT REQUIRED.

2.15 CCTV SYSTEM:

- NOT REQUIRED.

2.16 CARD ACCESS SYSTEM:

- NOT REQUIRED.

2.17 PUBLIC ADDRESS SYSTEM:

- NOT REQUIRED.

2.18 SEISMIC PROTECTION:

- THE ELECTRICAL TRADE SHALL PROVIDE SEISMIC RESTRAINT AND ANCHORAGE FOR ALL ELECTRICAL EQUIPMENT AND SERVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE B.C. BUILDING CODE, AND ALL APPLICABLE BUILDING BYLAWS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, TRANSFORMERS, PANEL BOARDS, CONDUIT AND LUMINAIRES.
- PROVIDE CERTIFIED PROFESSIONALLY-SEALED SHOP AND PLACEMENT DRAWINGS WHERE APPLICABLE FOR ALL ELECTRICAL EQUIPMENT AND EQUIPMENT ASSEMBLIES SHOWING THE METHODS OF ATTACHMENT TO THE PARTICULAR STRUCTURE FOR EACH PIECE OF EQUIPMENT AND ASSEMBLY AND PROVIDE ANCHORAGE/ATTACHMENT DETAILS APPROVED AND SEALED BY A B.C. REGISTERED PROFESSIONAL STRUCTURAL ENGINEER.
- INCLUDE IN THE TENDERED PRICE ALL SERVICES OF THE PROFESSIONAL STRUCTURAL ENGINEER INCLUDING BUT NOT LIMITED TO PROVIDING SUPPLEMENTAL SCHEDULE S-B AND S-C FOR THE PROJECT IN RESPECT OF THE SEISMIC RESTRAINT OF ALL ELECTRICAL MATERIALS AND EQUIPMENT, CONDUCTING THE NECESSARY SITE REVIEWS AND PROVIDING A LETTER AT THE CONCLUSION OF THE PROJECT, CONFIRMING THAT ALL SEISMIC RESTRAINTS FOR THE ELECTRICAL WORKS HAVE BEEN INSTALLED IN ACCORDANCE WITH THE ENGINEER'S INSTRUCTIONS. SUPPLEMENTAL SCHEDULES TO BE ADDRESSED AND SUBMITTED TO THE PROJECT'S ELECTRICAL ENGINEER OF RECORD.

ELECTRICAL CIVIL NOTES:

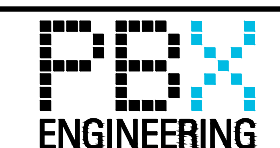
- ALL CONDUITS SHALL BE VERIFIED USING THE FOLLOWING PROCEDURE:
 - TO VERIFY INTEGRITY OF CONDUIT PULL THROUGH EACH DUCT A HARD RUBBER MANDREL, NOT LESS THAN 300mm LONG AND OF A DIAMETER 6mm LESS THAN INTERNAL DIAMETER OF DUCT, PRECEDED BY A SWAB OF SUITABLE DIAMETER TO REMOVE SAND, EARTH, AND OTHER FOREIGN MATERIALS.
 - CLEAN DUCTS BEFORE LAYING. CAP ENDS OF DUCTS DURING CONSTRUCTION AND AFTER INSTALLATION TO PREVENT ENTRANCE OF FOREIGN MATERIALS.
 - INSTALL PULL LINE AND CAP ENDS OF DUCT USING RUBBER DUCT PLUGS.
- ALL EMPTY CONDUITS SHALL HAVE A PULL STRING AND SHALL BE CAPPED. PULL STRING SHALL BE POLYPROPYLENE WITH A MINIMUM TENSILE STRENGTH OF 1.1tKN.
- CONDUIT LOCATIONS ARE APPROXIMATE. CONTRACTOR TO INSTALL EACH CONDUIT AS APPROPRIATE FOR EQUIPMENT LOCATIONS.

ELECTRICAL GENERAL NOTES:

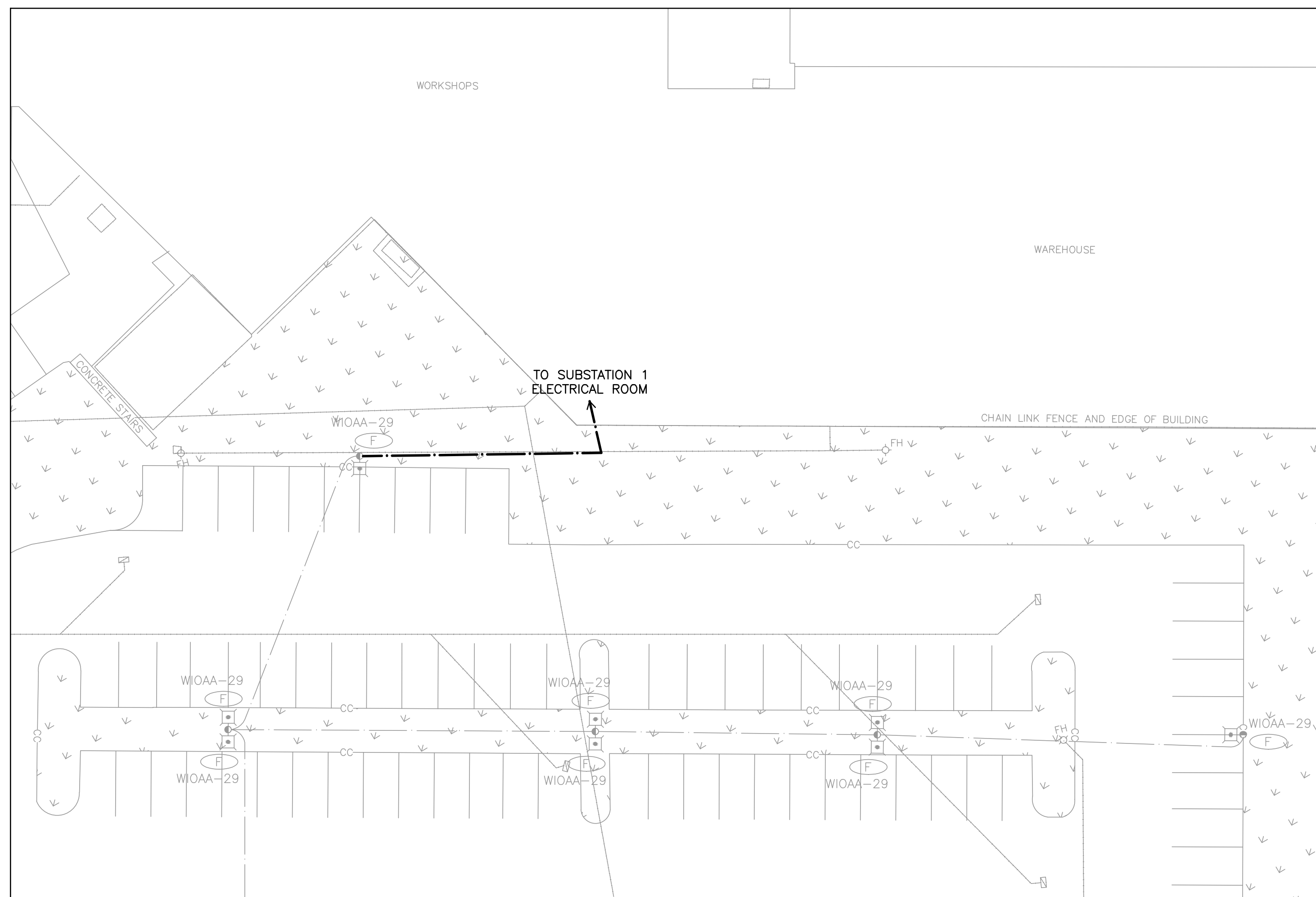
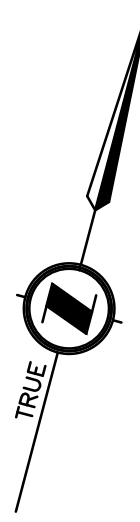
- NOT ALL SYMBOLS MAY APPEAR ON ALL DRAWINGS.
- ALL CONCRETE BASES, OUTDOOR LUMINAIRES, AND JB SYMBOLS ARE NOT TO SCALE.
- COORDINATE ALL WORK WITH OWNER AND CIVIL CONTRACTOR.
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL READ THESE DRAWINGS AND SPECIFICATIONS IN CONJUNCTION WITH THE CANADIAN ELECTRICAL CODE (CURRENT EDITION) AND THE BC BUILDING CODE (CURRENT EDITION). ALL WORK SHALL BE IN COMPLIANCE WITH THESE CODES.
- INFORMATION ON THESE DRAWINGS HAS BEEN RECEIVED FROM RECORD INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL VISIT THE SITE AND CONFIRM EXACT LOCATIONS OF EQUIPMENT AND CONDUIT ON SITE. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IMMEDIATELY PRIOR TO PERFORMING ANY WORK.
- ALL CONDUITS SHALL DRAIN TO JUNCTION BOX.
- THE CONTRACTOR SHALL NOT DISTURB OR DESTROY EXISTING PLANTS, BUSHES, TREES, OR ROOTS WHILE INSTALLING THE EQUIPMENT EXCEPT WHERE EXPLICITLY NOTED ON DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY BENDS, COUPLINGS, REDUCERS, BELL END FITTINGS, PLUGS, CAPS, AND ADAPTORS OF THE SAME PRODUCT MATERIAL AS THE CONDUIT TO ENSURE A COMPLETE INSTALLATION.
- ALL MANUFACTURER AND EQUIPMENT LABELS SHALL BE VISIBLE ON COMPLETION OF INSTALLATION.
- PROVIDE GROUNDING AND BONDING IN COMPLIANCE WITH THE CANADIAN ELECTRICAL CODE. SUPPLY COPIES OF ALL INSPECTION REPORTS TO ENGINEER WITHIN 24 HOURS OF INSPECTION.
- OBTAIN INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND SERVICES FROM CIVIL CONTRACTOR PRIOR TO COMMENCING WORK.



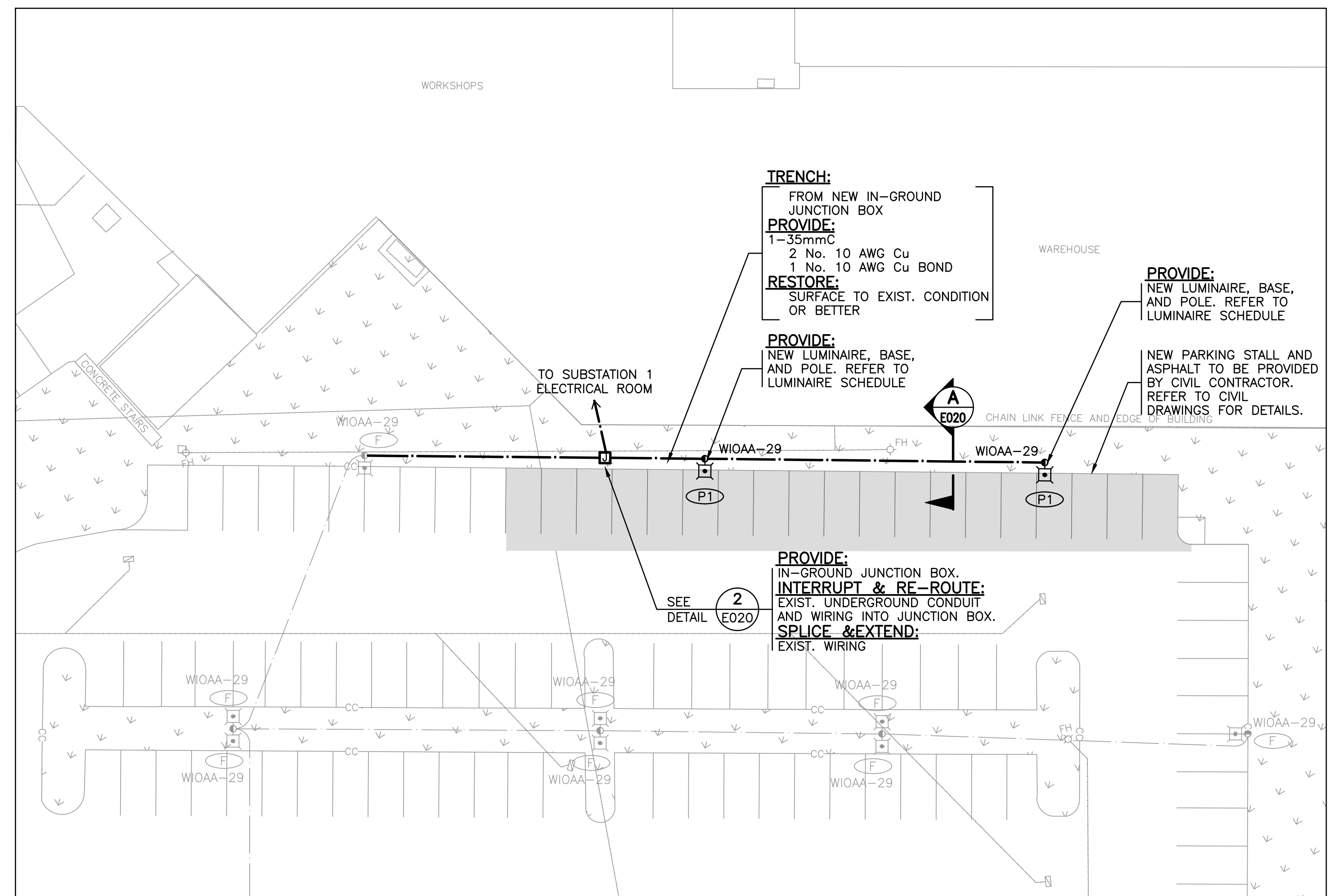
Rev.	DATE	ISSUE / REVISION DESCRIPTION	DESN	QC	QA	CLIENT	PROJECT	SCALE	PRODUCT NUMBER	DRAWING NUMBER	REV.
								AS SHOWN	17256-01	E001	0
0	18JUN27	ISSUED FOR TENDER	ABS	RA	RA						
P1	18JUN22	ISSUED FOR COORDINATION	ABS	RA	RA						
							INSTITUTE OF OCEAN SCIENCES PARKING LOT 'C'				



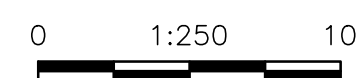
SPECIFICATIONS & NOTES



DETAIL 1 LOT 'C' PARKING LOT LIGHTING – EXISTING
1:250



DETAIL 2 LOT 'C' PARKING LOT LIGHTING – PROPOSED
1:250



NOTES:

1. RETAIN EXISTING UNDERGROUND CONDUIT. MODIFY AND EXTEND TO TIE IN NEW LUMINAIRES.
2. CONDUIT IN BOLD LINETYPE IS TO BE MODIFIED OR PROVIDED NEW AS NOTED.
3. EQUIPMENT IN BOLD LINETYPE IS TO BE PROVIDED NEW UNLESS NOTED OTHERWISE.
4. CONDUIT AND EQUIPMENT IN LIGHT LINETYPE IS EXISTING OUTSIDE THE SCOPE OF THIS PROJECT.

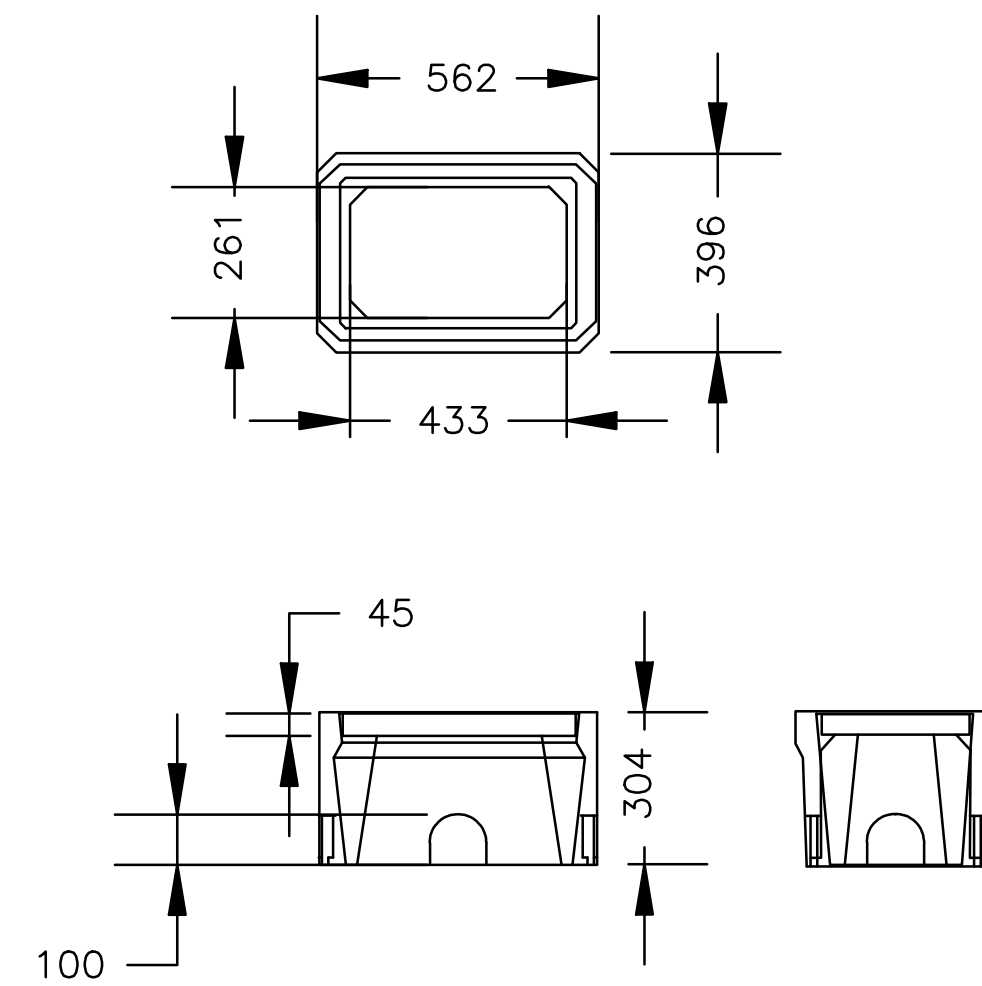


				CLIENT					
				PROJECT			INSTITUTE OF OCEAN SCIENCES PARKING LOT 'C'		
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LUMINAIRE SCHEDULE										
TYPE	DESCRIPTION	MAKE AND MODEL	DISTRIBUTION	DRIVER/BALLAST	VOLTAGE	FINISH	LUMINAIRE DETAILS			
							POLE	MOUNTING HEIGHT	BASE	MOUNTING
P1	Pole Mount Luminaire c/w pole and mounting bracket	Philips Lumec Road Focus RFM-108W48LED4K-G2-R3S-HVU-DMG-RCD-BZ	III	LED	347	Bronze Textured (BRTX)	Valmont 55S-T-20-0.1 square, 6.1m (20'), brown powder coat, c/w tennon adaptor for side mount fixture. Or approved equal.	6.1 m (20')	MMCD Type B	RLAR-1A-GY3 Bracket.
F	EXISTING LUMINAIRE	Philips Lumec Streetview SVM-90W48LED4K-R-LE3-HVU-DMG-RC-WC10-SP1-BRTX	III	LED	347	Bronze Textured (BRTX)	SQUARE	6.1 m (20')	EXISTING	CUSTOM ADAPTER SQUARE POLE TO 4" O.D. ROUND

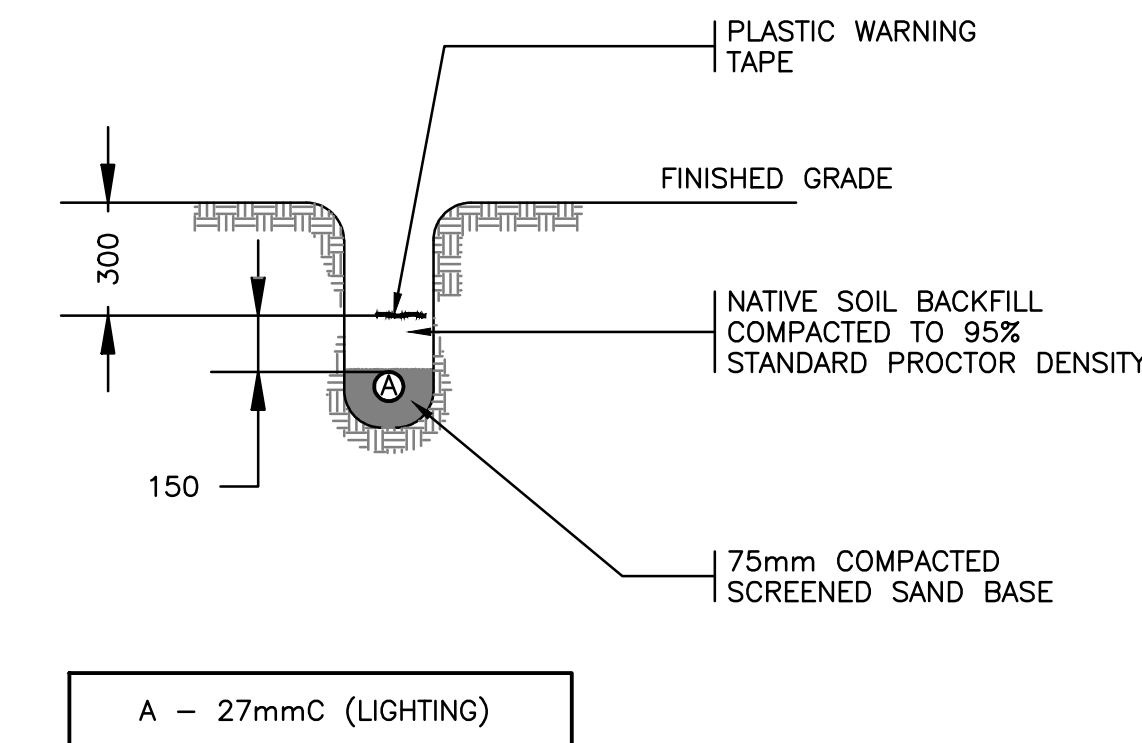
1. IF ALTERNATE POLE IS SUPPLIED PROVIDE CONSULTANT WITH CONFIRMATION FROM THE MANUFACTURER THAT THE PROPOSED POLE IS SUITABLE FOR THE SPECIFIED LUMINAIRE(S).

DETAIL 1 LUMINAIRE AND POLE SCHEDULE
N.T.S.



1. ARMTEC BOX B937 OR EQUAL C/W STEEL CHECKERPLATE COVER SUITABLE TO PARKING LOTS.
2. PROVIDE MARKING "LTG" ON COVER.
3. PROVIDE BASE OF MINIMUM 300MM DRAIN ROCK (25mm GAP GRADED WASHED STONE).
4. PROVIDE H20 RATED BOXERS IN VEHICULAR AREAS.

DETAIL 2 IN-GROUND CONCRETE JUNCTION BOX
N.T.S.



1. CONDUIT DEPTH SHOWN PER CEC FOR NON-VEHICULAR AREAS OR VEHICULAR AREAS WITH A MINIMUM 50mm PAVING COVER.
2. FOR OTHER AREAS, CONDUIT DEPTH SHALL BE PER CEC.

SECTION A UNDERGROUND CONDUIT
N.T.S.



						CLIENT					
						PROJECT					
						INSTITUTE OF OCEAN SCIENCES PARKING LOT 'C'			TITLE DETAILS & LUMINAIRE SCHEDULE		
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						REV.			0		