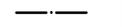


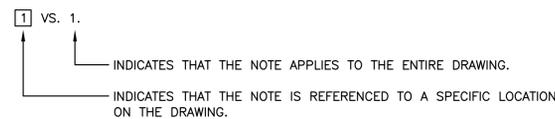
INSTITUTE OF OCEAN SCIENCES UPPER PARKING LOTS "B" AND "C" RE-ISSUED FOR TENDER

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

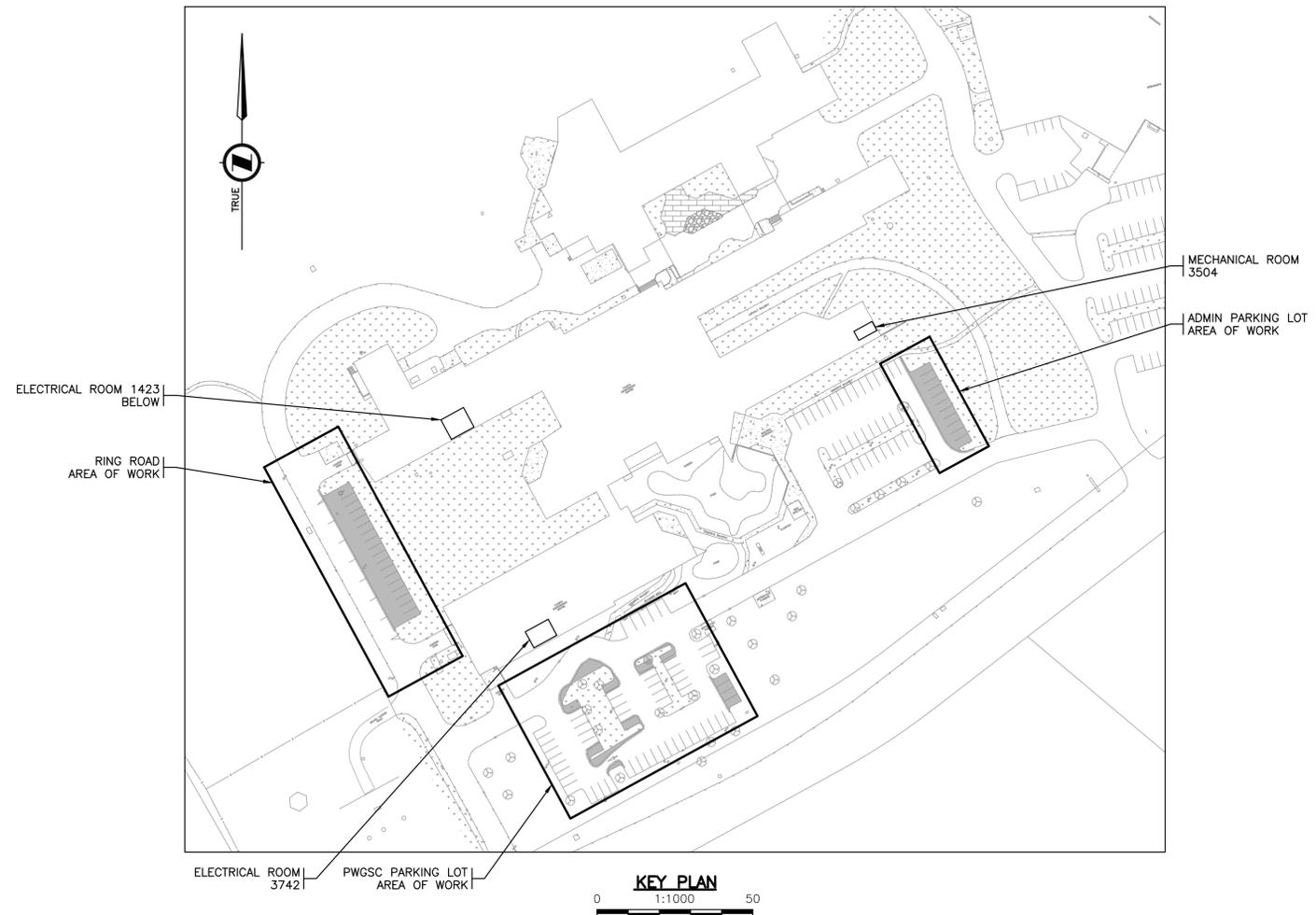
DRAWING INDEX		
DRAWING NO.	REV	DESCRIPTION
E000	1	LEGEND, DRAWING INDEX, & KEY PLAN
E001	1	SPECIFICATIONS & NOTES
E010	1	RING ROAD PARKING LOT LIGHTING - EXISTING & PROPOSED
E011	1	ADMIN. PARKING LOT LIGHTING - EXISTING & PROPOSED
E012	1	PWGSC PARKING LOT LIGHTING - EXISTING & PROPOSED
E020	1	DETAILS & LUMINAIRE SCHEDULE

NOTES LEGEND:

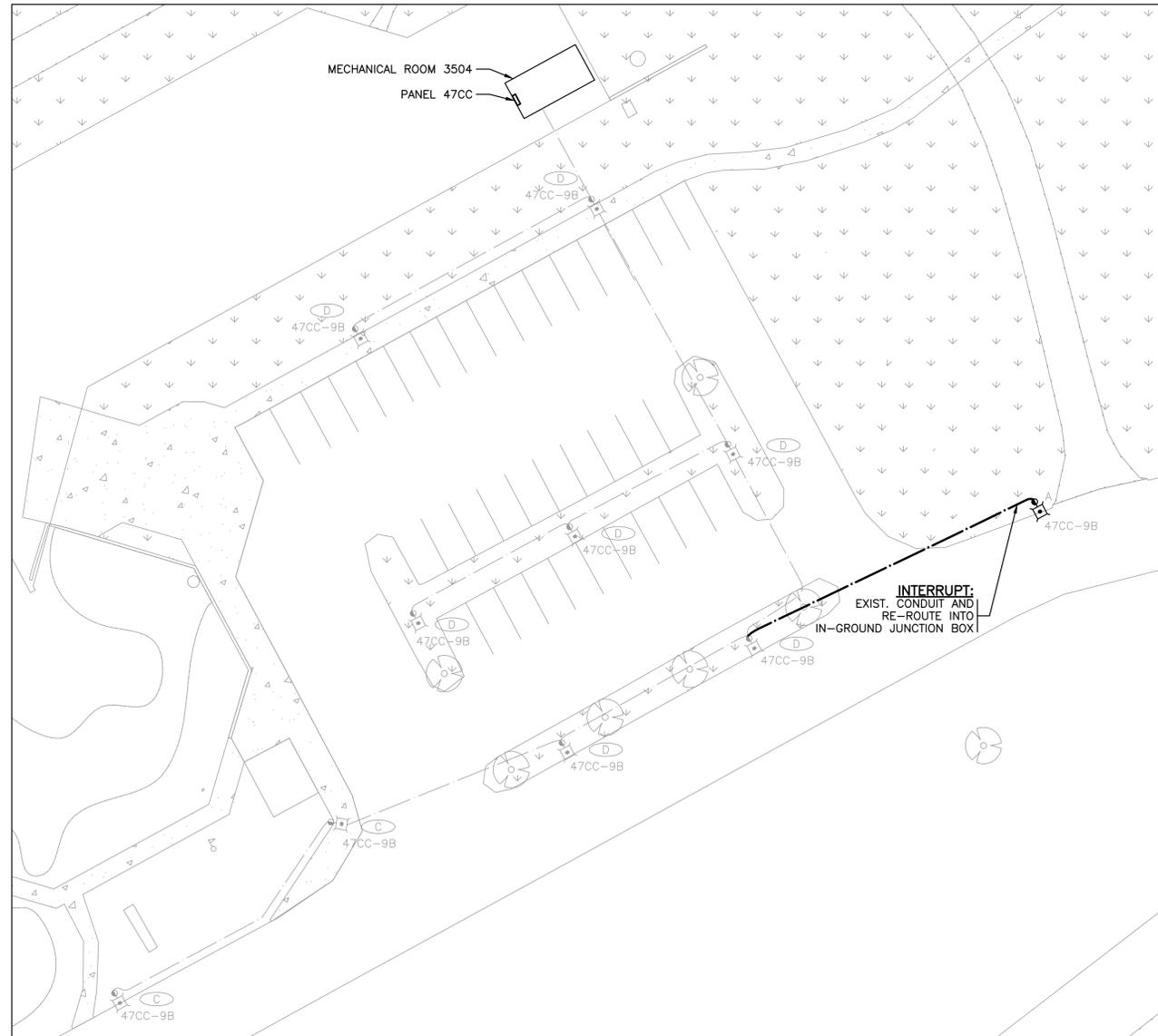


NOMENCLATURE:

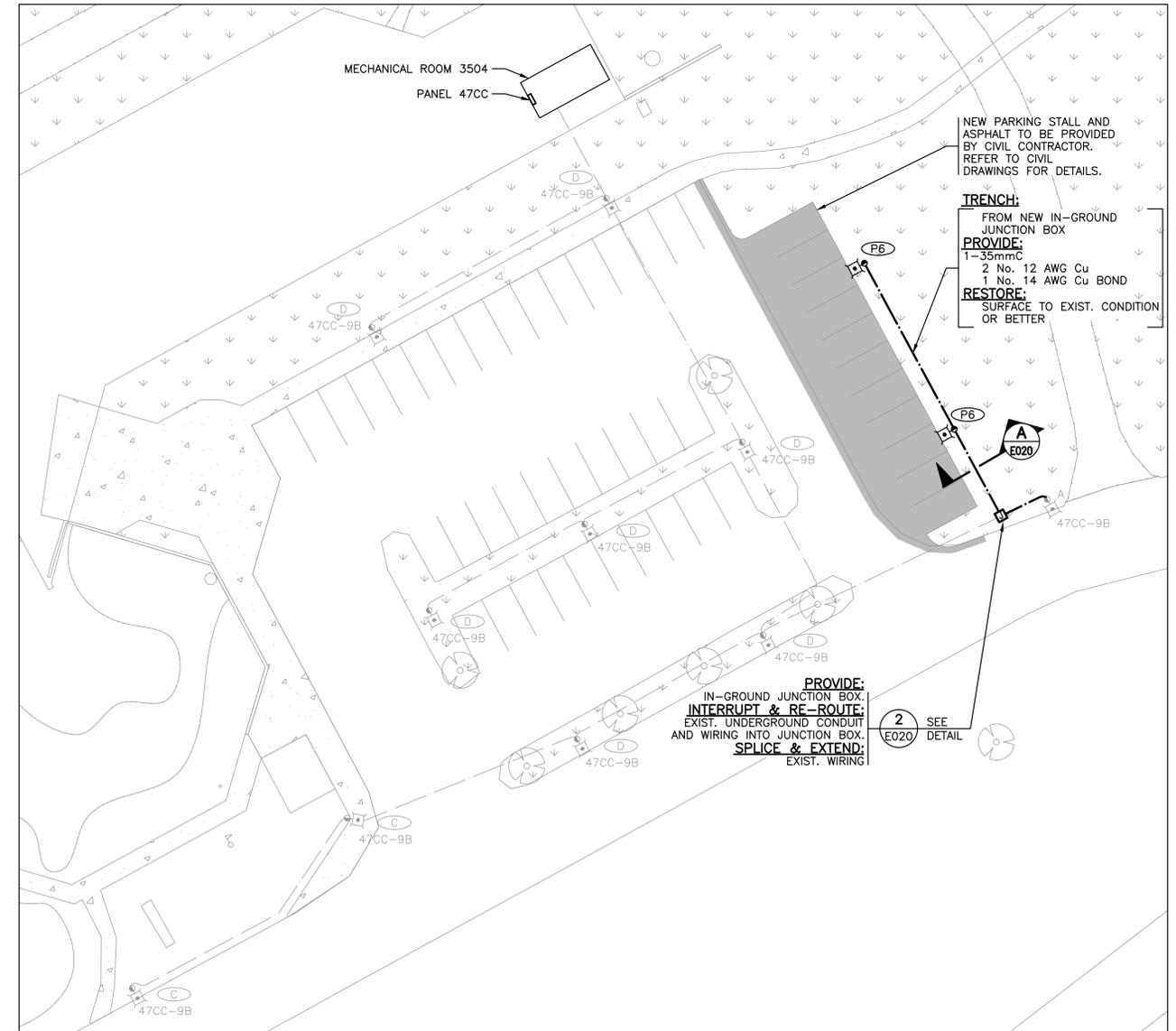
EPO - EMERGENCY POWER OFF
JB - JUNCTION BOX
TYP - TYPICAL



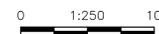
				CLIENT						
							TITLE LEGEND, DRAWING INDEX, & KEYPLAN			
							PROJECT INSTITUTE OF OCEAN SCIENCES UPPER PARKING LOTS 'B' AND 'C'			
Rev.	DATE	ISSUE / REVISION DESCRIPTION	DESN	QC	QA	SCALE AS SHOWN	PROJECT NUMBER 17256-01	DRAWING NUMBER E000	REV. 3	



DETAIL 1 ADMIN. PARKING LOT LIGHTING – EXISTING
1:250



DETAIL 2 ADMIN. PARKING LOT LIGHTING – PROPOSED
1:250



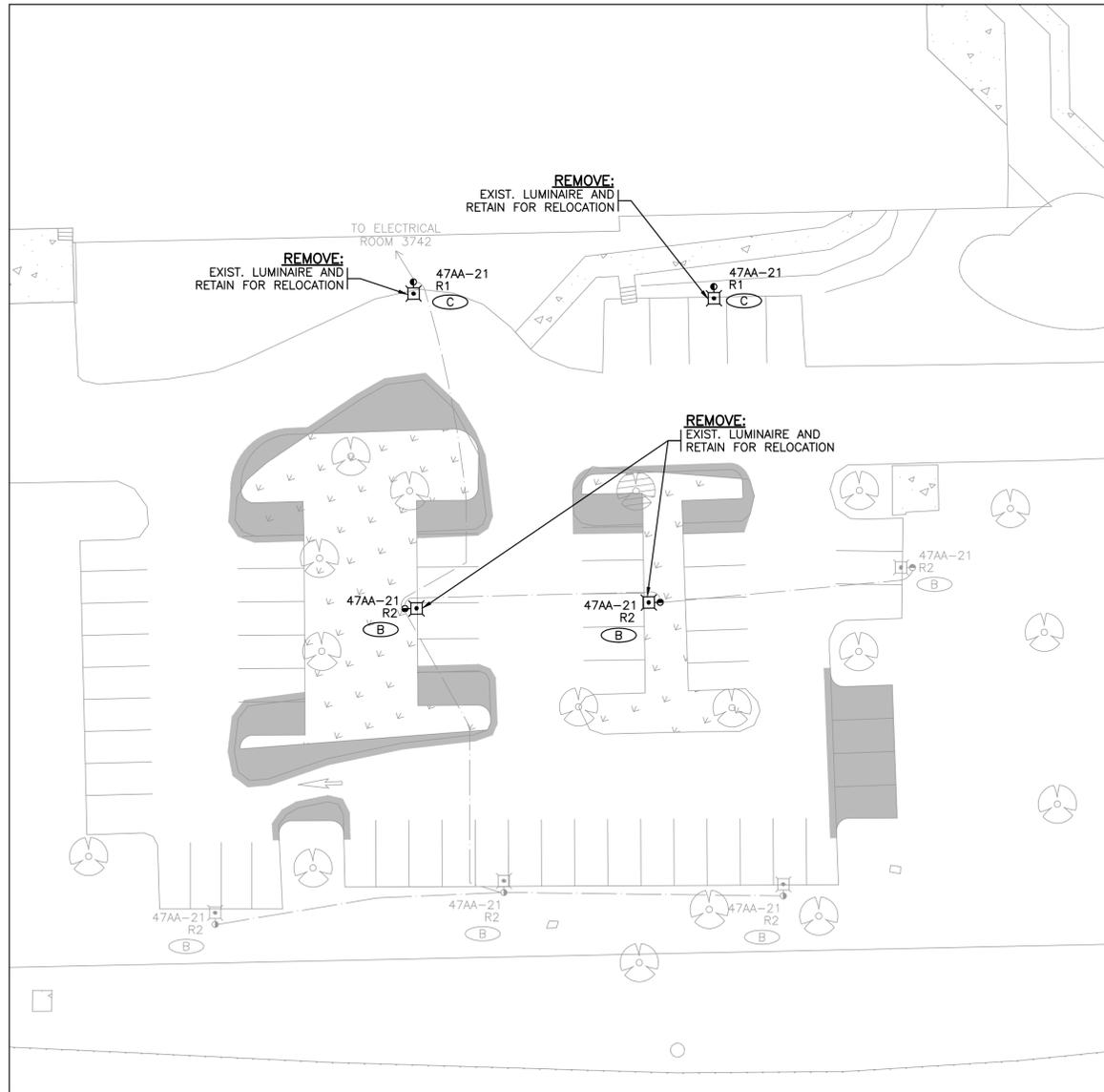
NOTES:

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.

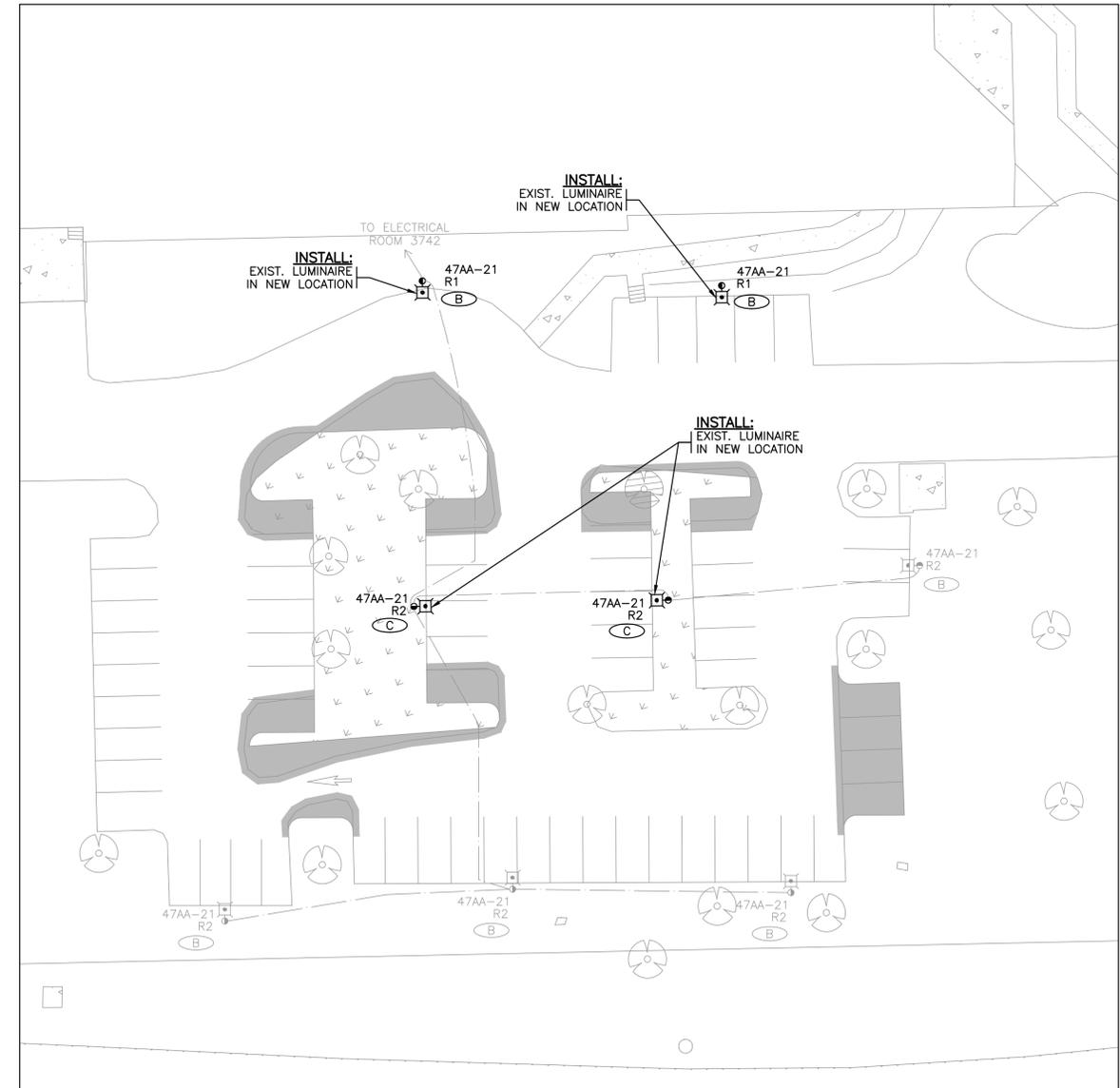
				CLIENT		
				PROJECT		
				INSTITUTE OF OCEAN SCIENCES UPPER PARKING LOTS 'B' AND 'C'		
				SCALE AS SHOWN		
				PROJECT NUMBER 17256-01		
				DRAWING NUMBER E011		
				REV: 3		
Rev.	DATE	ISSUE / REVISION DESCRIPTION	DESN	QC	QA	
3	17NOV14	RE-ISSUED FOR TENDER	ABS	RA	RA	
2	17NOV06	ISSUED FOR TENDER	ABS	RA	RA	
1	17SEP14	ISSUED FOR PRICING	ABS	RA	RA	
PA	17AUG23	ISSUED FOR COORDINATION	RS	RA	RA	



**ADMIN. PARKING LOT LIGHTING
EXISTING & PROPOSED**



DETAIL 1 PWGSC PARKING LOT LIGHTING – EXISTING
1:250



DETAIL 2 PWGSC PARKING LOT LIGHTING – PROPOSED
1:250



NOTES:

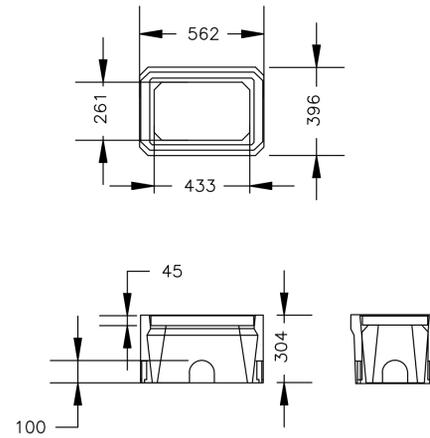
1. ALL LUMINAIRES IN THE AREA ARE FED FROM DOUGLAS LOW VOLTAGE LIGHTING CONTROLS LOCATED IN ELECTRICAL ROOM 3742. RELAY 1 (R1) OR RELAY 2 (R2) AS NOTED.
2. EQUIPMENT IN BOLD LINETYPE IS EXISTING TO BE MODIFIED AS NOTED. EQUIPMENT IN LIGHT LINETYPE IS EXISTING OUTSIDE THE SCOPE OF THIS PROJECT.

				CLIENT						
				PROJECT			INSTITUTE OF OCEAN SCIENCES UPPER PARKING LOTS 'B' AND 'C'			
3	17NOV14	RE-ISSUED FOR TENDER	ABS	RA	RA	SCALE		PROJECT NUMBER	DRAWING NUMBER	REV.
2	17NOV06	ISSUED FOR TENDER	ABS	RA	RA	AS SHOWN		17256-01	E012	3
1	17SEP14	ISSUED FOR PRICING	ABS	RA	RA					
PA	17AUG23	ISSUED FOR COORDINATION	RS	RA	RA					
Rev.	DATE	ISSUE / REVISION DESCRIPTION	DESN	QC	QA					

LUMINAIRE SCHEDULE										
TYPE	LUMINAIRE DETAILS									
	DESCRIPTION	MAKE AND MODEL	DISTRIBUTION	DRIVER/BALLAST	VOLTAGE	FINISH	POLE	MOUNTING HEIGHT	BASE	MOUNTING
P5	Pole Mount Luminaire c/w pole and mounting bracket for Ring Road	Philips Lumec Streetview SVM-48W48LED4K-R-LE2-HVU-DMG-RC-SP1-BRTX c/w RLAR-1A-GY3 mounting bracket	II	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.
P6	Pole top luminaire c/w pole for 'Admin' Parking Lot	Philips UrbanScape MPTC-55W32LED4K-R-LE4-347-BRTX	IV	LED	347	Bronze Textured (BRTX)	Valmont 45S-12-3.5, square 3.7m (12'), brown powder coat, c/w top tennon for slip fit mounting. Or approved equal.	3.7 m (12')	MMCD Type B	4" Round Tenon Slip Fit
P7	Pole top luminaire c/w pole for new Ring Road parking.	Philips UrbanScape MPTC-35W32LED4K-R-LE2-347-BRTX	II	LED	347	Bronze Textured (BRTX)	Valmont 45S-18-3.5, square 5.49m (18'), brown powder coat, c/w top tennon for slip fit mounting. Or approved equal.	18' pole for 6.1m (20') height from bottom of retaining wall	MMCD Type B	4" Round Tenon Slip Fit
A	EXISTING LUMINAIRE	Philips Lumec Streetview SVM-90W48LED4K-R-LE3-HVU-DMG-RC-WC10-SP1-BRTX	V	LED	347	Bronze Textured (BRTX)	SQUARE	3.7 m (12')	EXISTING	RLAR-1A-GY3 Bracket
B	EXISTING LUMINAIRE	Philips UrbanScape MPTC-55W32LED4K-R-LE3-347-BRTX	III	LED	347	Bronze Textured (BRTX)	SQUARE	3.7 m (12')	EXISTING	CUSTOM ADAPTER SQUARE POLE TO 4" O.D. ROUND
C	EXISTING LUMINAIRE	Philips UrbanScape MPTC-55W32LED4K-R-LE5-347-BRTX	V	LED	347	Bronze Textured (BRTX)	SQUARE	3.7 m (12')	EXISTING	CUSTOM ADAPTER SQUARE POLE TO 4" O.D. ROUND
D	EXISTING LUMINAIRE	Philips UrbanScape MPTC-55W32LED4K-R-LE4-347-BRTX	IV	LED	347	Bronze Textured (BRTX)	SQUARE	3.7 m (12')	EXISTING	CUSTOM ADAPTER SQUARE POLE TO 4" O.D. ROUND
E	EXISTING LUMINAIRE	Philips Lumec Streetview SVM-90W48LED4K-R-LE2-HVU-DMG-RC-SP1-BRTX	II	LED	347	Bronze Textured (BRTX)	SQUARE	6.1 m (20')	EXISTING	CUSTOM ADAPTER SQUARE POLE TO 4" O.D. ROUND

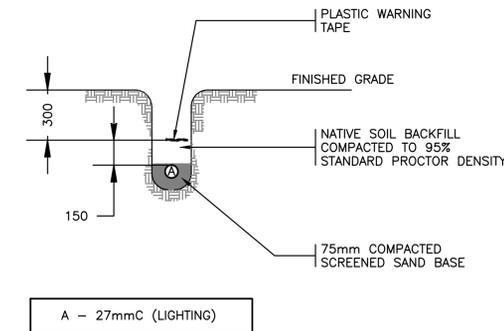
1. IF ALTERNATE POLE IS SUPPLIED PROVIDE CONSULTANT WITH CONFIRMATION FROM THE MANUFACTURER THAT THE PROPOSED POLE IS SUITABLE FOR THE SPECIFIED LUMINAIRE(S).

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



1. ARMETEC 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. INSTALLATION DETAIL



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. INSTALLATION DETAIL

				CLIENT					
3	17NOV14	RE-ISSUED FOR TENDER	ABS	RA	RA	DETAILS & LUMINAIRE SCHEDULE			
2	17NOV06	ISSUED FOR TENDER	ABS	RA	RA				
1	17SEP14	ISSUED FOR PRICING	ABS	RA	RA				
PA	17AUG23	ISSUED FOR COORDINATION	RS	RA	RA	PROJECT INSTITUTE OF OCEAN SCIENCES UPPER PARKING LOTS 'B' AND 'C'			
Rev.	DATE	ISSUE / REVISION DESCRIPTION	DESN	QC	QA				SCALE AS SHOWN