



THIS SITE IS WITHIN A RED IMPORTED FIRE ANT BIOSECURITY ZONE. CALL 132523 FOR FURTHER INFORMATION.

URD CIVIL WORKS SCHEDULE (ALONG FOOTPATHS BY ELECTRICAL CONTRACTOR)																					
LOCATION	STATIONS FROM-TO	CONDUIT LENGTH (m)						BENDS (<°/No)						X-SECTION (m)			DRAW WIRE	KERB MARK	REMARKS		
		50	No	100C	No	100	No	125	No	40	No	100C	No	100	No	125				No	EXCAV TAPE
COASTLINK CRT	3 - 4			40	1	40	2	40	4									40		SP1	280
	4 - 10	200	1	200	1	200	2	200	4									200		SP2	1600
	10 - 11			55	1	55	2	55	4									50	5	SP1	385
	6 - 6L	5	1																5	O	5
	7 - 7L	5	1																5	O	5
	8 - 8L	5	1																5	O	5
	9 - 9L	5	1																5	O	5
	11 - 11L	35	1															25	10	O	35
TOTALS		255	295	590	1180												315	35		2320	

EQUIPMENT SCHEDULE													
LOCATION	STN No.	SITE I.D.	EXIST	REC	INSTALL	SIZE & DESCRIPTION	IIN	COMP ID	PLANT No.	MODEL ID	QTY	LCC	REMARKS
COASTLINK CRT	1	U2256284	* *		*	SERV PILLAR EARTH LUG SET		EX		EX EX LVSP1240	EX EX 1		MAKE 2-WAY
	2	U12543015			*	C + 1 PILLAR EARTH		C11		LVLPA400CFS ASSY1037-1	1 1		
	4	U12543016			*	SUPPLY PILLAR (240-240-240 7F)		PI1			1		
	5	U12543017			*	C + 1 PILLAR EARTH		C11		LVLPA400CFS ASSY1037-1	1 1		
	6				*	S/L PIT & LID (TYPE 4) JUNCTION BOX KIT (NO FUSE)		PT1		ASSY833-1 ASSY833-5	1 1		
	7				*	S/L PIT & LID (TYPE 4)		PT1		ASSY833-1	1		
	8				*	S/L PIT & LID (TYPE 4)		PT1		ASSY833-1	1		
	9				*	S/L PIT & LID (TYPE 4) JUNCTION BOX KIT (NO FUSE)		PT1		ASSY833-1 ASSY833-5	1 1		
	10	U12543018			*	SUPPLY PILLAR (240-240 7F)		PI1		ASSY833-65	1		
	11	U12543019			*	C + 1 PILLAR S/L FUSE S/L FUSE HOLDER EARTH		C11		LVLPA400CFS ASSY801-1 ASSY1043-3 ASSY1037-1	1 1 1 1		

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

ELECTRICAL / STREET LIGHT CERTIFICATION

THIS IS TO CERTIFY THAT THE DESIGN OF ENERGY RETICULATION IS IN ACCORDANCE WITH ENERGY DESIGN MANUALS AND WORK CATEGORY SPECIFICATION 47.1 & 47.3 WHERE APPLICABLE.

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158 FOR 'V' & 'P' CATEGORY LIGHTING FOR ROADS & PUBLIC SPACES SUPPLIED UNDER ENERGY CONTRACT. THE LIGHTING DESIGN IS BASED UPON THE FOLLOWING MAINTENANCE SCHEDULE:

- LED LAMP REPLACEMENT AT 68000 HOUR INTERVALS INC. CLEANING & INSPECTION OF LUMINAIRE EVERY 48 MONTHS.
- LAMP REPLACEMENT AT 36 MONTH INTERVALS INC. CLEANING & INSPECTION OF LUMINAIRE.
- VEGETATION TO BE KEPT CLEAR OF LUMINAIRES.
- INSPECTION PATROLS & SPOT LAMP REPLACEMENT TO MAINTAIN SERVICE AVAILABILITY AT MIN. 95%.
- LUMINAIRES & LAMPS TO BE REPLACED WITH EXACT EQUIVALENTS.

CERTIFICATION APPLIES TO SHEETS 1 TO 2 OF ENERGY DRAWING NUMBER S13011993 REVISION C

STREET NAME	LIGHTING CATEGORY
COASTLINK CRT	PRS

KRIS BOVEINIS (RPEQ 22272)

K. Boveinis

DATE 22.03.24

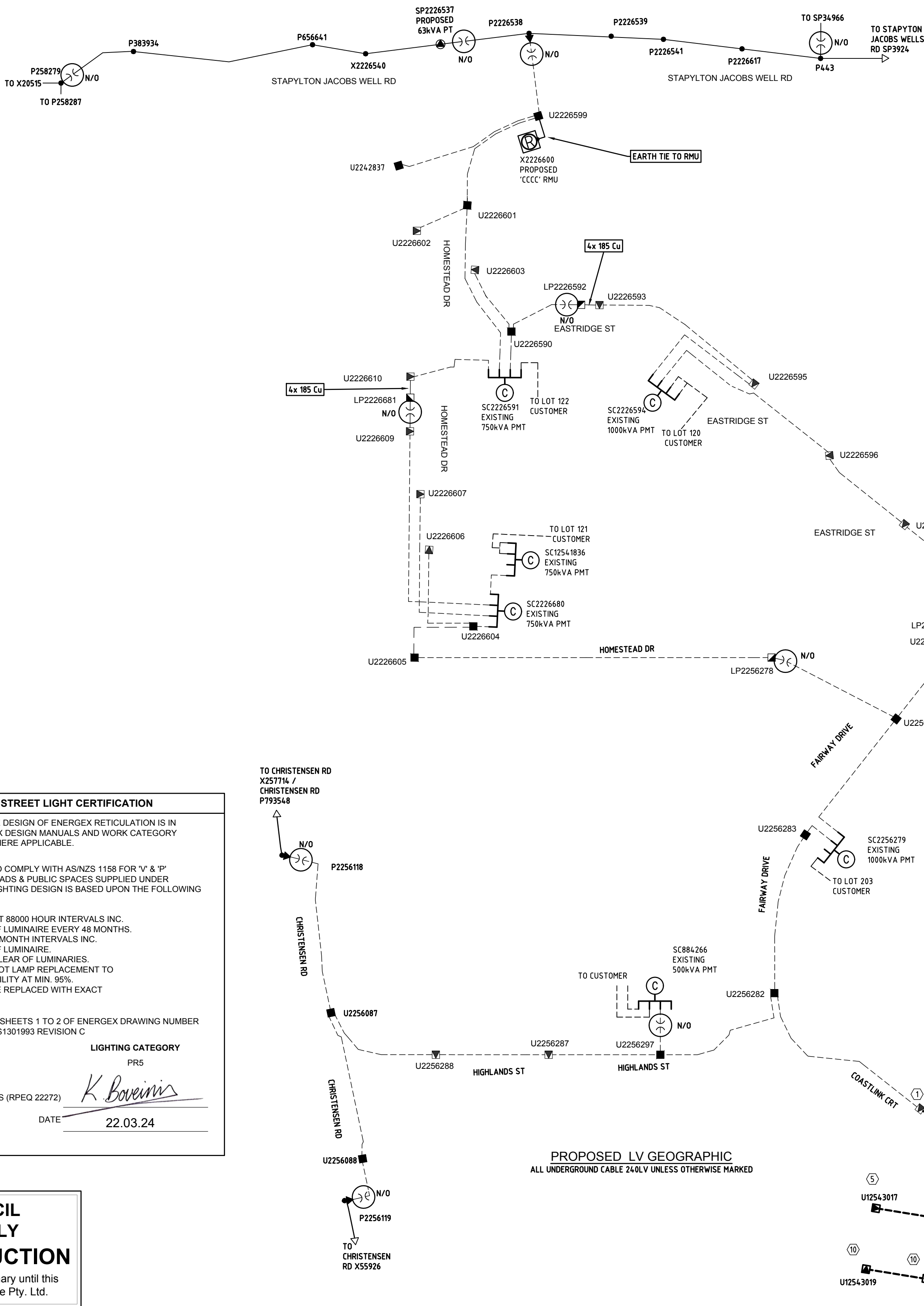
MAINTENANCE REGIME	
Maintenance Factor Assumed: The maintenance factor assumed in the calculations is as follows: * Luminaires Maintenance Factor (refer AS 1158 1.1:2020 APPENDIX E). * Lamp Lumen Depreciation Factor (Refer Lamp Manufacturer's "Lamp Lumen Depreciation Curves").	
Maintenance Factor Calculated	0.75
Schedule of Maintenance: This road lighting design is based on the following maintenance schedule: * LED lamp replacement carried out at 88000 hrs intervals. Cleaning regime every 48 months * All other luminaires lamp replacement & cleaning carried out at 36 month intervals.	
At this time the following shall also occur: * All optical surfaces, both internal and external, of the luminaire shall be cleaned. * All gaskets shall be checked for deterioration and replaced where necessary. * Damaged/weathered visors shall be replaced. * All accessible screws, nuts etc. shall be checked for tightness. * A visual check shall be made of the electrical components and wiring for signs of overheating. * If required, the luminaire shall be realigned/adjusted to the design specification.	

UNDERGROUND CABLE SCHEDULE													
LOCATION	STATIONS FROM-TO	VOLTS	EXIST	TRF	REC	INSTALL	CABLE SIZE/TYPE	MODEL ID	ROUTE LENGTH (m)	CABLE LENGTH (m)		LOC	REMARKS
										NEW	REC		
COASTLINK CRT	1 - 2	LV				*	240mm² 4C AI XLPE	LVA4240XPV	42	45			
	2 - 4	LV				*	240mm² 4C AI XLPE	LVA4240XPV	47	50			
	4 - 5	LV				*	240mm² 4C AI XLPE	LVA4240XPV	22	25			
	4 - 10	LV				*	240mm² 4C AI XLPE	LVA4240XPV	202	205			
	10 - 11	LV				*	240mm² 4C AI XLPE	LVA4240XPV	52	55			
	4 - 6	SL				*	16mm² 2C Cu PVC/PVC	LVC216PVPV	17	20			
	6 - 6L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5			
	6 - 7L	SL				*	16mm² 2C Cu PVC/PVC	LVC216PVPV	57	60			
	9 - 8L	SL				*	16mm² 2C Cu PVC/PVC	LVC216PVPV	57	60			
	9 - 9L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5			
	9 - 10	SL				*	16mm² 2C Cu PVC/PVC	LVC216PVPV	22	25			
	11 - 11L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	27	30			
TOTALS	LV						240mm² 4C AI XLPE	LVA4240XPV			380		
	SL						16mm² 2C Cu PVC/PVC	LVC216PVPV			165		
	SL						4mm² 2C Cu PVC/PVC	LVC24PVPV			40		

This drawing is to be considered preliminary until the disclaimer is removed by Peter Eustace Pty. Ltd.

RATE 2 STREETLIGHT SCHEDULE																							
LOCATION	STN NO	SITE ID (POLE No)	POLE or COMPONENTS						LANTERN								OUTREACH BRACKET				MOUNT HEIGHT (m)	REMARKS	
			COMP ID	EXIST (m)	REC (m)	ERECT (m)	SLM or IIN	ALIGN (m)	COMP ID	EXIST	RECOVER LUMIN	CUST	DATE DE-ENERG	ERECT LUMIN	CUST	DATE ENERG	SLM or IIN	EXIST (m)	REC (m)	ERECT (m)			SLM or IIN
COASTLINK CRT	7L	P12543020	PO 1			7BPM	SB90115UCI	0.8 BOK	SL 1				L50A	GCCC		SLEDPH0509A					1.5	9	
	6L	P12543021	PO 1			7BPM	SB90115UCI	0.8 BOK	SL 1				L50A	GCCC		SLEDPH0509A					1.5	9	
	8L	P12543022	PO 1			7BPM	SB90115UCI	0.8 BOK	SL 1				L50A	GCCC		SLEDPH0509A					1.5	9	
	9L	P12543023	PO 1			7BPM	SB90115UCI	0.8 BOK	SL 1				L50A	GCCC		SLEDPH0509A					1.5	9	
	11L	P12543024	PO 1			7BPM	SB90115UCI	0.8 BOK	SL 1				L50A	GCCC		SLEDPH0509A					1.5	9	

Sheet 1 of 2
ISSUE NO: C



!WARNING!
FIRE ANT TERRITORY
THIS SITE IS WITHIN A RED IMPORTED FIRE ANT
BIOSECURITY ZONE. CALL 132523 FOR FURTHER
INFORMATION.

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: OPW/2024/129

Dated: 15 April 2024

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

ELECTRICAL / STREET LIGHT CERTIFICATION

THIS IS TO CERTIFY THAT THE DESIGN OF ENERGEX RETICULATION IS IN ACCORDANCE WITH ENERGEX DESIGN MANUALS AND WORK CATEGORY SPECIFICATION 47.1 & 47.3 WHERE APPLICABLE.

ROAD LIGHTING CERTIFIED TO COMPLY WITH AS/NZS 1158 FOR 'V' & 'P' CATEGORY LIGHTING FOR ROADS & PUBLIC SPACES SUPPLIED UNDER ENERGEX CONTRACT. THE LIGHTING DESIGN IS BASED UPON THE FOLLOWING MAINTENANCE SCHEDULE:

- * LED LAMP REPLACEMENT AT 88000 HOUR INTERVALS INC. CLEANING & INSPECTION OF LUMINAIRE EVERY 48 MONTHS.
- * LAMP REPLACEMENT AT 36 MONTH INTERVALS INC. CLEANING & INSPECTION OF LUMINAIRE.
- * VEGETATION TO BE KEPT CLEAR OF LUMINARIES.
- * INSPECTION PATROLS & SPOT LAMP REPLACEMENT TO MAINTAIN SERVICE AVAILABILITY AT MIN. 95%.
- * LUMINARIES & LAMPS TO BE REPLACED WITH EXACT EQUIVALENTS.

CERTIFICATION APPLIES TO SHEETS 1 TO 2 OF ENERGEX DRAWING NUMBER
S1301993 REVISION C

STREET NAME	LIGHTING CATEGORY
COASTLINK CRT	DDF

KRIS BOVEINIS (RPEQ 22272) K. Boveinis
DATE 22.03.24

**ISSUE FOR COUNCIL
ACCEPTANCE ONLY
NOT FOR CONSTRUCTION**

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PMT LV SWBD - SWITCH FUSE CIRCUITS				
LOCATION: HIGHLANDS ST		STATION: SC684266		
CIRCUIT No.	LABEL SIZE	LABEL COLOUR	LETTER SIZE	LABEL INFORMATION
TFMR ISOLATOR	80 x 35	WB	6	EXISTING
1	80 x 35	WB	5	EXISTING
2	80 x 35	WB	5	EXISTING
3	80 x 35	WB	5	TO HIGHLANDS DR U2256297 (DIRECT) / FAIRWAY DR SC2256279 (FS2) / CHRISTENSEN RD P2256118 / CHRISTENSEN RD P2256119 / COASTLINK CRT U12543017 / COASTLINKCRT U12543019 & SERVICES
4	80 x 35	WB	5	SPARE

MATERIAL: GRAVOPLY II (1.5mm) or similar

LV POLE TERMINATION LABEL		
LABEL SIZE	SITE LOCATION FOR ATTACHING OF LABEL	LABEL INFORMATION
300x100	POLE No: P2256119	LV CABLE TO HIGHLANDS ST SC884266 (F53) / CHRISTENSEN RD P2256118 / COASTLINK CRT U12543017 / COASTLINK CRT U12540319 / FAIRWAY ST SC2258279 & SERVICES
	LOCATION: CHRISTENSEN RD	
MATERIAL: GRAVOPLY II (1.5mm) or similar		

PROPOSED COMMISSIONING SCHEDULE				
TENTATIVE ONLY SUBJECT TO AMENDMENT BY SWITCHING CO-ORDINATOR				
ITEM No	LOCATION	APPARATUS	ACTION	
1	COMMISSION NEW LV EQUIPMENT - LV SWITCHING			
2	ADVISE CONTRACT SUPERVISOR SWITCHING TO COMMENCE			
3	RECEIVE CLEARANCE FROM WORK CREWS ALL WORK COMPLETED			
4	NOTIFY ALL WORK CREWS TREAT PILLARS AS LIVE			
5	COASTLINK CRT	NEW EQUIPMENT		CONNECT & MAKE READY
6	COSTLINK CRT U256284			MAKE BRIDGES LIVE
7	COASTLINK CRT	NEW LV EQUIPMENT		COMMISSION & TEST
8	ADVISE CONTRACT SUPERVISOR SWITCHING COMPLETE			

[illegible]