

REAL PROPERTY SERVICES  
Western Region

LEGEND:

NEW RUNWAY EXIT LIGHTS  
(M.I.) AND NEW PULL PIT  
(TWO LIGHTS TO ONE PULL  
PIT) 'YS' DENOTES YELLOW  
LENSES

NEW EDGE LIGHT (M.I.)  
AND NEW PULL PIT;  
CLEAR LENSE (WHITE)  
'WS' DENOTES WHITE  
LENSES, 'BS' DENOTES  
BLUE LENSES

EXISTING U/G CABLE

NEW U/G CABLE  
2-#8 ASLC AND 1-#8 SDBC IN  
POLY PIPE (50mm MINIMUM)  
UNLESS SHOWN OTHERWISE.

NEW U/G CABLE  
1-#8 ASLC AND 1-#8 SDBC IN  
POLY PIPE (50mm MINIMUM)

TEMPORARY PRIMARY  
HIGH POWER CABLE

ELECTRICAL NOTES

- UPON REMOVAL OF THE EXISTING PROVIDE NEW RUNWAY EDGE (M.I.) AND THRESHOLD (H.I.) LIGHTS AND NEW PULL PITS, TRANSFORMERS, CABLES, AND CONNECTORS, STAKES, GROUNDING, ETC. ON RUNWAYS 10-28 TO NEW GRADE ELEVATIONS AS PER DETAIL 1/202.
- PROVIDE NEW APRON EDGE LIGHTING (M.I.), PULL PITS, STAKES, TRANSFORMER PRIMARY AND SECONDARY CABLES, POLY PIPE, GROUNDING, CONNECTORS, ETC. AS DETAILED.
- PROVIDE NEW RUNWAY TURN OFF/EXIT LIGHTS, TYPE B PULL PITS, STAKES, TRANSFORMERS, PRIMARY AND SECONDARY CABLES, POLY PIPE, GROUNDING, CONNECTORS, ETC. AS DETAILED.
- PROVIDE TEMPORARY (NEW) RUNWAY THRESHOLD AND EXTREMITY END LIGHTS COMPLETE WITH MOUNTING PLATES, CABLES, AND CABLE PROTECTION AS DETAILED IN DRAWING E02 AND AS PER TO STANDARD (TP312) FOR EACH OF STAGE 1 AND STAGE 2. RE-WIRE AND CONNECT IN A SAFE MANNER AS NECESSARY, NEW TEMPORARY CABLES (RE-USING EXISTING CONDUITS) TO ALLOW FOR THE RUNWAY STAGED CONSTRUCTION WORK AS SCHEDULED. PROTECT ALL EXPOSED TEMPORARY SURFACE PRIMARY CABLES IN ITS ENTIRETY FROM F.E.C. TO EACH EDGE LIGHT AND BETWEEN LIGHTS WITH RIGID CONDUIT RACEWAYS AND WITH 75mm (MINIMUM) THICK WOOD PLANKING SECURED TO GROUND. STAGE 3 WORK WILL BE CARRIED OUT DURING COMPLETE RUNWAY POWER SHUTDOWN.
- ISOLATE AND REWIRE AS REQUIRED, IN A SAFE AND ACCEPTABLE MANNER, TO ENSURE ALL SYSTEMS LIGHTING WITHIN THE 'OPEN' RUNWAY TO REMAIN OPERATIONAL AT ALL TIMES. PROVIDE RECORD DRAWINGS AND CO-ORDINATE WORK WITH AIRPORT OPERATIONAL PERSONNEL.
- ISOLATE, DISCONNECT, AND LOCK OUT POWER (HV/PRIMARY) TO ALL SYSTEM LIGHTING WITHIN 'CLOSED' RUNWAY TO SAFELY ALLOW RUNWAY NEW CONSTRUCTION WORK.
- UPON COMPLETION OF RUNWAY NEW WORK, REMOVE THE TEMPORARY THRESHOLD RUNWAY EDGE LIGHTS, RELATED CABLES AND PLATES. REWIRE AND RECONNECT ALL RUNWAY SYSTEMS LIGHTING TO ORIGINAL INSTALLATION AND TO NEW WORK REQUIRED CONFORMANCE.
- PROVIDE NEW PULL PIT (610mm HIGH), INSTALL ON FLAT SURFACE TO INTERCEPT EXISTING 100# POLY PIPE AND PRIMARY CABLES. VERIFY EXACT LOCATION WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGHING-IN. PROVIDE NEW CONNECTORS AND CABLES AND RE-TERMINATE AS REQUIRED.
- ALL TRANSFORMER, PULLPITS ARE TO BE 450MM DIAMETER AND TYPE 'A' (450MM HEIGHT) UNLESS OTHERWISE NOTED.  
-TYPE 'A' - 450MM HEIGHT  
-TYPE 'B' - 610MM HEIGHT  
-TYPE 'C' - 750MM HEIGHT
- PROVIDE TYPE 'B' PULLPITS WHERE TWO TRANSFORMERS ARE REQUIRED. E.G. TURN OFF/EXIT LIGHTS.
- TWO #8 ASLC AND 1-#8 SDBC IN 100# POLYPIPE.
- TWO #8 ASLC AND 1-#8 SDBC IN 50# POLYPIPE (MIN).

1 THRESHOLD DETAIL (BOTH ENDS)  
E02 N.T.S.

TEMPORARY THRESHOLD  
LIGHTS

TYPICAL RUNWAY  
EDGE LIGHT AND PULLPIT

2 NEW APRON DETAIL  
E02 1:1000

RUNWAY PLAN  
SCALE 1:2000

DO NOT SCALE DRAWINGS

revisions	description	date
5		
4		
3	ISSUED FOR TENDER	2014-09-12
2	90% SUBMISSION	2013/01/15
1	66% SUBMISSION	2012/10/31
0	Design Completion	

Client

project title  
**EUREKA, NUNAVUT**  
**RUNWAY 10-28, APRONS AND  
ROAD REHABILITATION**

approved by  
**ANDY DEDINCA, P. ENG.**

designed by  
**TONY SANTOS**

drawn by  
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PWGSC, Architectural and Engineering Resources Manager  
**Surinder J. S. BRAR, P. Eng.**

Client

drawing title  
**ELECTRICAL**  
**NEW CONSTRUCTION**

project no.	sheet	revision no.
<b>R.053906.001</b>	<b>E02</b> OF 3	<b>0</b>