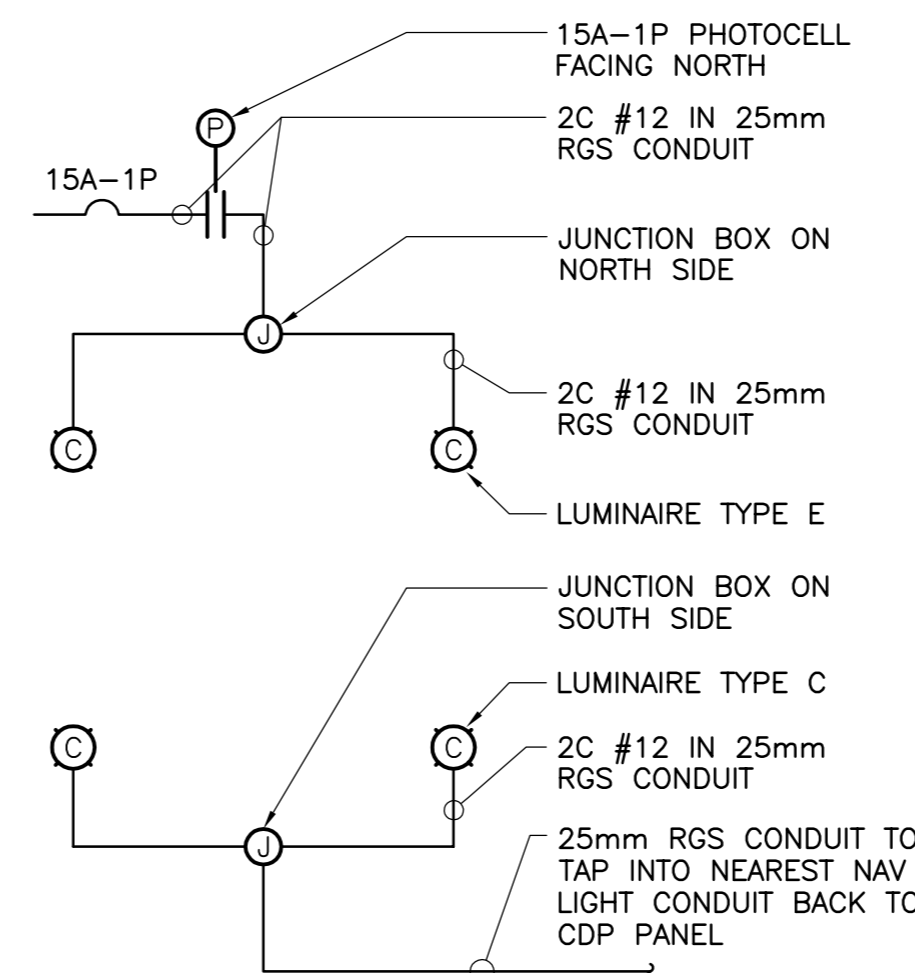


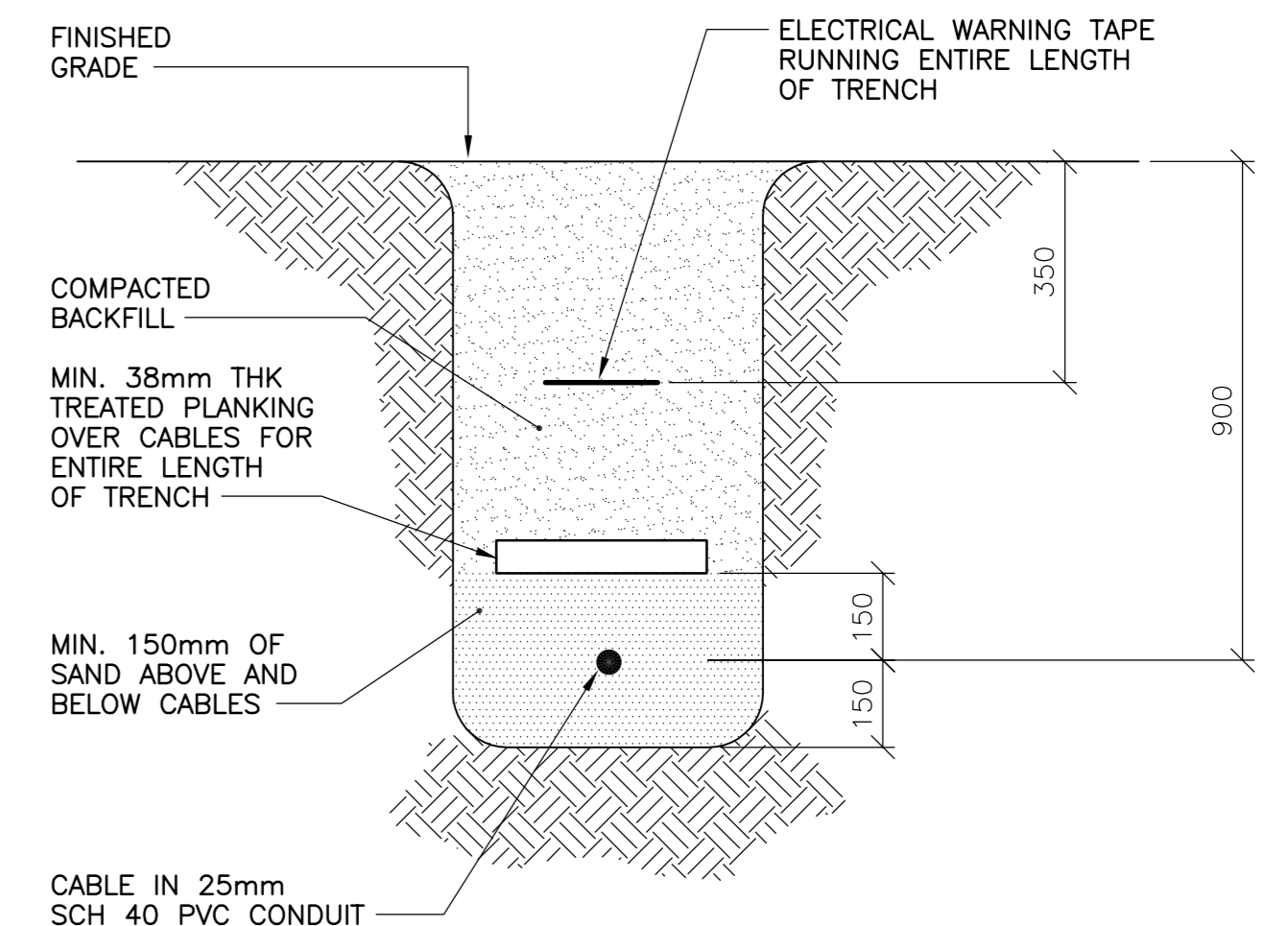
1 UNDERBRIDGE LIGHTING DETAIL - NORTH SIDE
1 : 50
SIMILAR FOR SOUTH SIDE

15A-1P PHOTOCELL FACING NORTH

CDP PANEL A		60A, 1Ø, 3W C/W MAIN BREAKER				WALL MOUNTED NORTH ABUTMENT	
DESCRIPTION	CCT.	BRK AMP	A	B	BRK AMP	CCT.	DESCRIPTION
UNDERBRIDGE LIGHTING (NORTH)	1	15	→	→	15	2	
UNDERBRIDGE LIGHTING (SOUTH)	3	15	→	→	15	4	
HANDRAIL LIGHTING CONTROL PANEL (WEST)	5	20	→	→	20	6	
HANDRAIL LIGHTING CONTROL PANEL (EAST)	7	20	→	→	20	8	
NAVIGATION LIGHTS (WEST)	9	15	→	→	15	10	
NAVIGATION LIGHTS (EAST)	11	15	→	→	15	12	
NORTH ABUTMENT ELECTRICAL ROOM LIGHTS	13	15	→	→	15	14	
SPARE	15	15	→	→	15	16	
SPARE	17	15	→	→	15	18	
SPARE	19	15	→	→	15	20	
SPARE	21	15	→	→	15	22	
SPARE	23	15	→	→	15	24	



2 UNDERBRIDGE LUMINAIRE WIRING DIAGRAM
N.T.S.



3 TRENCH DETAIL
N.T.S.

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER	CATALOGUE NO.	VOLTAGE	LAMPS	DESCRIPTION/MOUNTING INSTRUCTIONS
A			240V/1Ø	1-250W HPS	POLE MOUNTED LUMINAIRE ON 10.7m ALUMINIUM SPUN DAVIT C/W 1.8m ARM. SUPPLIED, INSTALLED, WIRED, AND CONNECTED BY MANITOBA HYDRO. CONDUIT AND BASES BY THIS CONTRACTOR.
B	MMJ LIGHTING 96	D500LED-FLX-2.2wp	12VDC	1-5.5W LED	VERTICAL PICKET BACK LIGHTING LED LUMINAIRE C/W POWER SUPPLY AND ENCLOSURE ET TRD15012M (150W 12VDC). SUPPLIED, INSTALLED, WIRED, AND CONNECTED BY THIS CONTRACTOR.
C	LITHONIA	TWP-100M-120-CSA-WG-LPI	120V/1Ø	1-100W MH	WALL MOUNTED LUMINAIRE. MOUNT UNIT TO STRUCTURE WITH WIRE GUARD PROVIDED. SUPPLIED, INSTALLED, WIRED, AND CONNECTED BY THIS CONTRACTOR.
D	LITHONIA	TWP-70M-120-CSA-WG-LPI	120V/1Ø	1-70W	WALL MOUNTED LUMINAIRE. MOUNT UNIT TO STRUCTURE WITH WIRE GUARD PROVIDED. SUPPLIED, INSTALLED, WIRED, AND CONNECTED BY THIS CONTRACTOR.



B.M. ELEV.	F.B.	WARDROP A TETRA TECH COMPANY			 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT TRANSPORTATION ENGINEERING DIVISION	OSBORNE STREET BRIDGE REHABILITATION & RELATED WORKS	CITY DRAWING NUMBER B109-11-121
DESIGNED BY: H.P.C.C.	CHECKED BY: A.H.	DRAWN BY: H.P.C.C.	APPROVED BY: R.H.W.				SHEET 116 OF 131
00 ISSUED FOR TENDER	11.02.18	A.H.	DATE	ACCEPTED BY: DATE	ORIGINAL SIGNED: 11.02.16	CONSULTANT DRAWING NO. 0900070502-DWG-E0004	BRIDGE DETAILS AND PANEL SCHEDULE AND LUMINAIRE SCHEDULE
NO. REVISIONS	DATE	BY	DATE	11.02.07	MATT GHISLETTI, P.ENG. BRIDGE PROJECTS ENGINEER		116