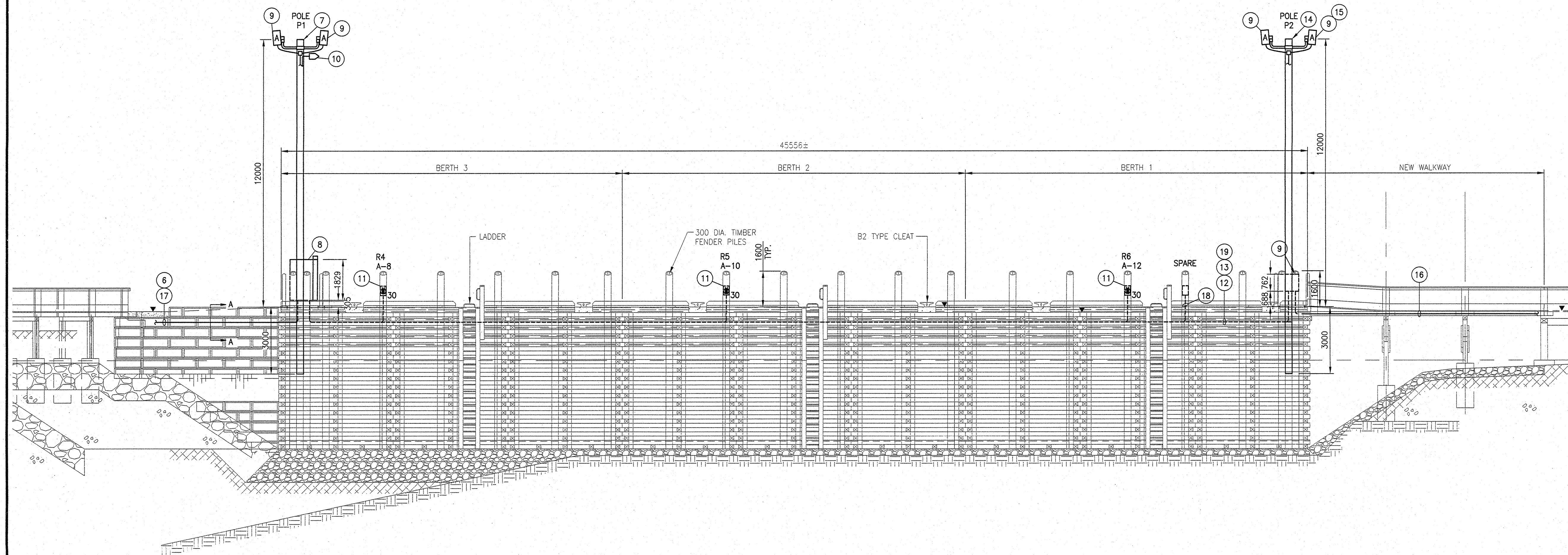


NEW ELECTRICAL WHARF LAYOUT

SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

1
E1



NEW ELECTRICAL WHARF ELEVATION A-A

SCALE : 1:100

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

1
E1

SYMBOL	LEGEND
P1 ●	WOOD POLE, P1-POLE #1.
—	OVERHEAD POWER LINE.
—	U/G OR UNDERDECK WIRE AND PVC CONDUIT.
◇	TYPE A LED 353W FLOOD LIGHT FIXTURE.
⊕ ₃₀	30A, 120V, 1φ, 3W SINGLE TWIST LOCK RECEPTACLE, ON WOODEN POST, 30-30 AMP. C/W MARINE GRADE WEATHERPROOF COVER.
JB	JUNCTION BOX.
■	NEW 200A, 120/240V, 1φ, 3W PANEL A IN ELECTRICAL CABINET.
S	DUAL LIGHTING SWITCHES FOR LIGHT FIXTURES ON POLES.
M	UTILITY METER.
⊕	15/20A, 120V MARINE GRADE DUPLEX RECEPTACLE C/W IN-USE COVERPLATE, INSIDE LOCKED ENCLOSURE FOR WI-FI, CAMERA, ETC.
◇	EXISTING WIFI CAMERA.
FP	WOOD FENDER PILE.
⊕ _{20.TL}	20A, 120V, 1φ, 3W TWIST LOCK SINGLE RECEPTACLE C/W WEATHERPROOF IN-USE COVER PLATE.
CB	NEW STAINLESS STEEL ENCLOSED 200A, 120/240V, 2P, 1φ, 3W CIRCUIT BREAKER MOUNTED 1000mm A.G.

NOTES
1. NS POWER 200A 120/240V, 1φ, 3W Q/H TRIPLEX FEED C/W Q/H TELEPHONE CABLE BELOW.
2. NEW 200A, 120/240V, 1φ, 3W SERVICE MAST & WEATHERHEAD C/W 3/8" Ø RW90 IN 53mm PVC.
3. 3/8" Ø RW90 IN 53mm PVC IN TRENCH DETAIL A-A.
4. 200x200x4000mm PRESSURE TREATED WOOD POST BURIED 2000mm IN GROUND C/W 200A, 2P ENCLOSED SERVICE ENTRANCE CIRCUIT BREAKER AND UTILITY METER SOCKET ABOVE.
5. 1/4" RW90 GREEN GROUND IN 27mm PVC TO 19mm DIA. x 3 METER LONG COPPER GROUND ROD, DRIVE INTO GROUND WITH TOP OF GROUND ROD 1000mm BELOW GRADE.
6. 3/8" Ø+1/4" GND RW90 IN 53mm PVC IN TRENCH DETAIL A-A.
7. NEW 15 METER CLASS 2 WOOD POLE FASTENED TO SIDE OF WHARF WITH TOP 12 METERS ABOVE THE DECK C/W BIRD SPIKES.
8. NEW ALUMINUM ENCLOSURE C/W 200A, 120/240V, 1P, 3W SERVICE FROM POLE P2. ENCLOSURE TO CONTAIN ELECTRICAL PANEL A' 200A, 120/240V, 1φ, 3W, 42 CIRCUIT C/W 200A, 2P MAIN CIRCUIT BREAKER AND RELOCATED WIFI SYSTEM. INSTALL BIRD SPIKES ON TOP OF ENCLOSURE.
9. NEW LED LIGHT FIXTURE ON WOOD POLE C/W BRACKET, PHOTOCELL AND BIRD SPIKES.
10. RELOCATE WIFI CAMERA WITH POWER AND SIGNAL CABLES TO ELECTRICAL ENCLOSURE.
11. NEW 20A, 120V, 1φ MARINE GRADE RECEPTACLE C/W WEATHERPROOF COVERPLATE & SHROUD MOUNTED ON WOOD FENDER PILE AND RW90 IN 53mm PVC UNDER DECK.
12. NEW 100A, 120/240V, 1φ, 3W 3/4" Ø+1/8" GND RW90 IN 53mm PVC UNDER DECK TO CONNECT PANEL A TO EXISTING 100A, 120/240V, 1φ, 3W 3/4" Ø TECK FEEDER TO OUTER WEST WHARF PANEL B.
13. NEW SPARE 1-53mm PVC BETWEEN NEW ENCLOSURE AND EXISTING ENCLOSURE UNDER DECK.
14. NEW WOOD POLE C/W BIRD SPIKES ON WEST END OF WHARF WITH EXISTING RELOCATED ELECTRICAL ENCLOSURE USED TO SPLICE EXISTING AND NEW 100A, 120/240V, 1φ, 3W +GND FEEDERS TO OUTER WEST WHARF PANEL B.
15. NEW LED FLOODLIGHT ON WOOD POLE TO LIGHT BOARDWALK.
16. EXISTING 100A, 120/240V, 1φ, 3W 3/4" Ø TECK CABLE TO OUTER WEST WHARF.
17. NEW U/G TELEPHONE LINE TO PROVIDE SIGNAL TO WIFI SYSTEM.
18. 1 SPARE 53mm PVC CONDUIT UNDER DECK.
19. 2#8, 2#10+1#10 GND RW90 IN 53mm PVC UNDER CONCRETE DECK FOR RECEPTACLE R7 AND LIGHTS ON POLE P2.
20. LIGHTING DESIGN IS BASED ON 50 LUX AVERAGE MAINTAINED ON WHARF SURFACE WITH AVERAGE TO MINIMUM UNIFORMITY OF 3:1 AND MAXIMUM TO MINIMUM UNIFORMITY OF 10:1 WITH A MAINTENANCE FACTOR OF 0.8 AND A COEFFICIENT OF UTILIZATION OF 0.5.

0	ISSUED FOR TENDER	06/03/2016
revisions	description	date
project	HALL'S HARBOUR WHARF RECONSTRUCTION	project
drawing	KING'S COUNTY NOVA SCOTIA	design
designed	RALPH SMITH, L.C., P.ENG.	conçu
date	2016.08.03	
drawn	WILLIAM GOULREY	dessiné
date	2016.08.03	
approved	RALPH SMITH, L.C., P.ENG.	approuvé
date	2016.08.03	
Tender	Submission	
PMSC Project Manager	Administrateur de projets TPSCC	
project number	R.076836.001	no. du projet
drawing no.	E1 of E3	no. du dessin