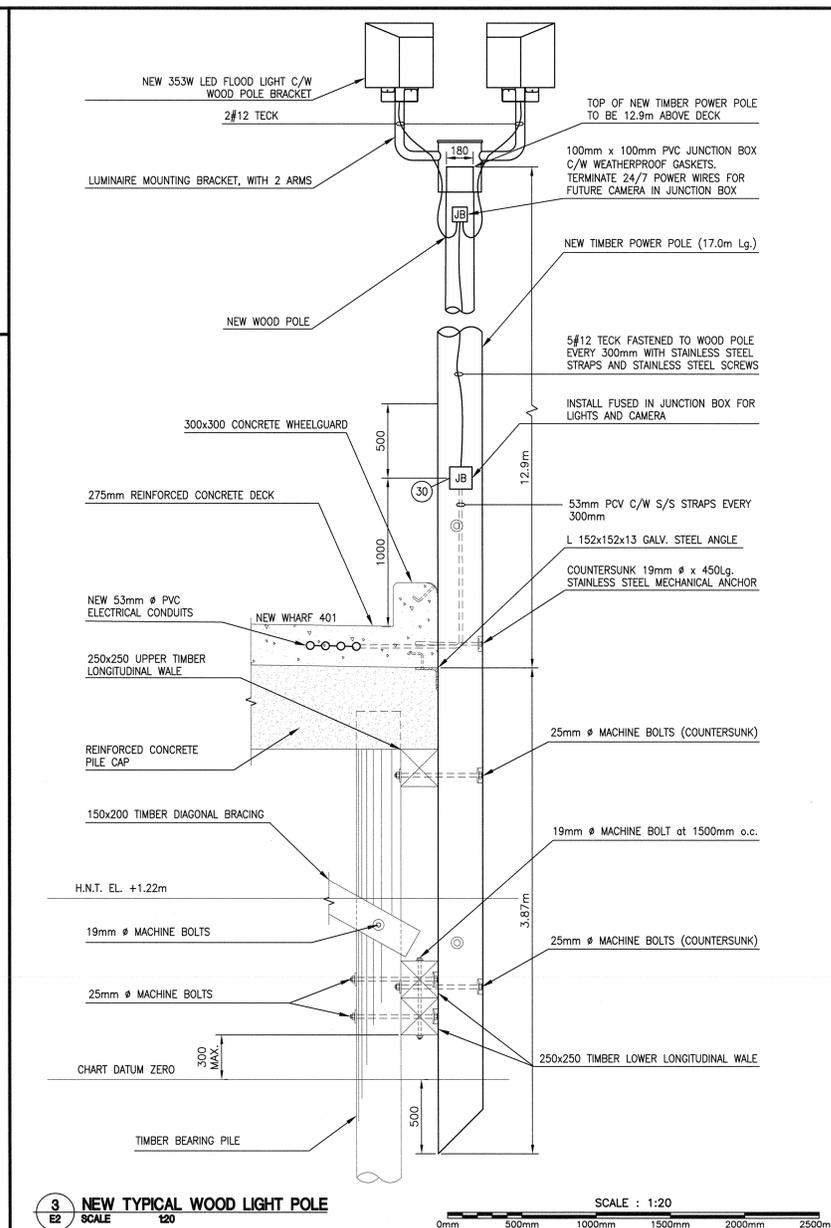
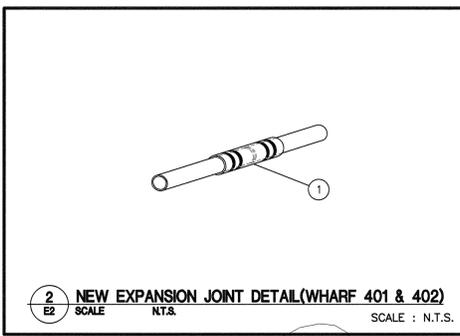
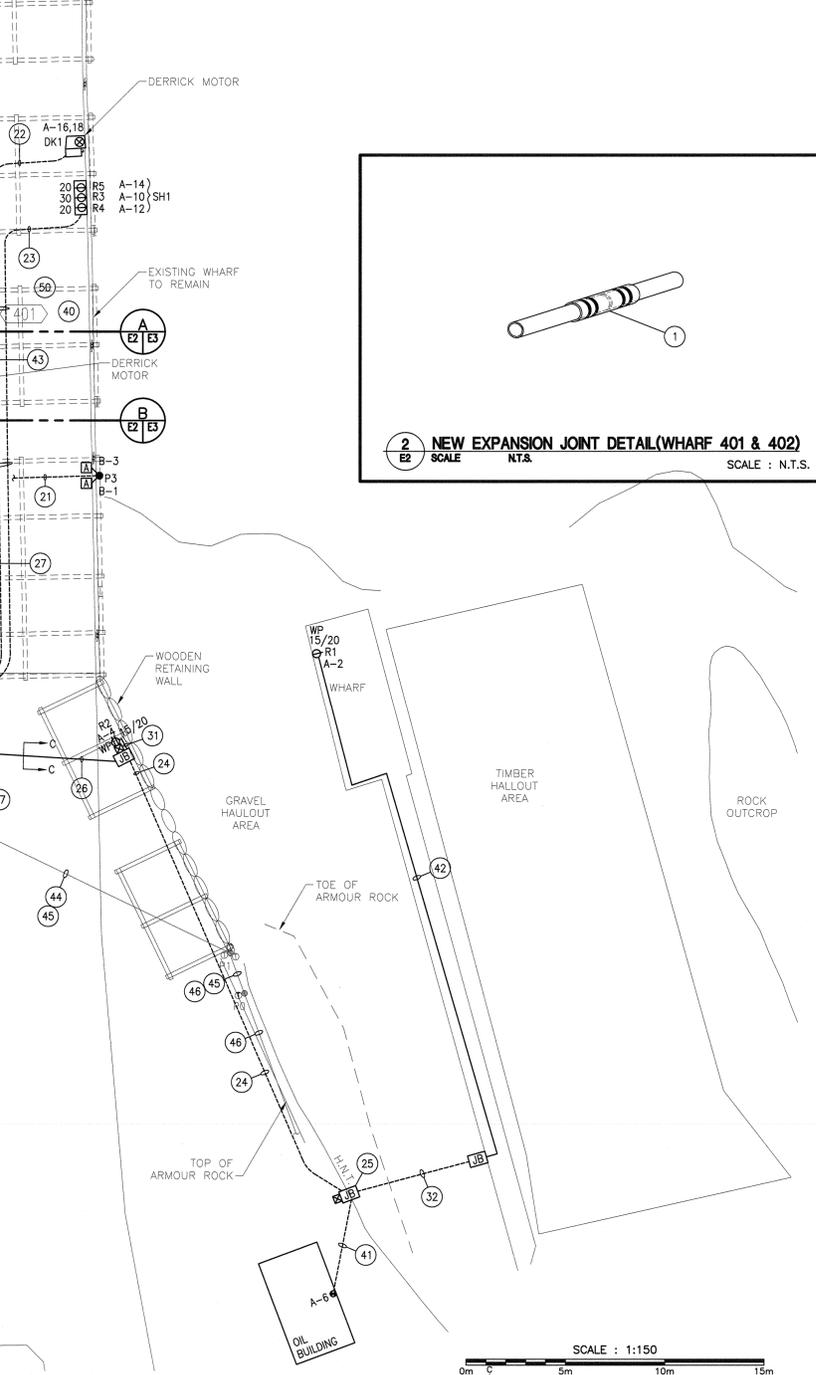


- NOTES**
- REFER TO STRUCTURAL DRAWINGS FOR CONSTRUCTION EXPANSION JOINT LOCATIONS WHERE EACH NEW 50mm PVC CONDUIT NEEDS AN EXPANSION JOINT CONNECTION.
 - EXISTING 2#3, 4#4, 1#8 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE (2#3 & 4#4 TECK CABLES FASTENED ON DECK ON WHARF 404).
 - EXISTING 4#10, 1#12, 1#10 GND RW90 IN EXISTING 53mm PVC (5#10 TECK CABLES FASTENED ON DECK ON WHARF 404).
 - NEW LOCATION OF DERRICK DK2.
 - EXISTING 2#4, 4#6, 1#8 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE (2#4 & 4#6 TECK CABLES FASTENED ON DECK ON WHARF 404).
 - PROVIDE 60A, 2P, 240V, 316 GRADE STAINLESS STEEL 4x DISCONNECT SWITCH TO TERMINATE FEEDERS TO DERRICK. ALSO WIRE FROM DISCONNECT TO DERRICK.
 - EXISTING PVC JUNCTION/PULL BOX FOR EXISTING 11-53mm PVC INCOMING AND OUTGOING CONDUITS.
 - EXISTING 4#10, 5#12, 1#10 GND RW90 IN EXISTING 53mm PVC.
 - EXISTING 2#10, 4#12, 1#10 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE.
 - FUTURE 2#8, 4#10, 1#10 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE.
 - FUTURE 2#6, 4#8, 1#8 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE.
 - EXISTING 2-53mm PVC SPARE CONDUITS FOR FUTURE SH13.
 - EXISTING 2-53mm PVC SPARE CONDUITS FOR FUTURE SH14.
 - EXISTING 9-53mm PVC INCOMING AND OUTGOING CONDUITS STUBBED UP INTO WHEEL GUARD. PROVIDE NEW ALUMINUM SHROUD OVER CONDUITS, REMOVE TECK CABLE.
 - FUTURE 2#10, 4#12, 1#10 GND RW90 IN NEW 53mm PVC, 1-53mm NEW PVC SPARE.
 - NEW 3#8, 1#10 GND RW90 IN NEW 53mm PVC.
 - FUTURE 2#4, 4#6, 1#8 GND RW90 IN NEW 53mm PVC, 1-53mm NEW PVC SPARE.
 - NEW 4#12, 2#10, 1#10 GND RW90 IN 53mm PVC, 1-53mm PVC SPARE.
 - NEW 5#12, 1#10 GND RW90 IN 53mm PVC.
 - NEW 2#8, 4#10, 1#10 GND RW90 IN 53mm PVC, 1-53mm PVC SPARE.
 - NEW 5#12, 1#10 GND RW90 IN 53mm PVC FASTENED ON STAINLESS STEEL STRUT & RODS ON UNDERSIDE OF DECK.
 - NEW 3#8, 1#10 GND RW90 IN 53mm PVC FASTENED ON STAINLESS STEEL STRUT & RODS ON UNDERSIDE OF DECK.
 - NEW 2#6, 4#8, 1#8 GND RW90 IN 53mm PVC FASTENED ON STAINLESS STEEL STRUT & RODS ON UNDERSIDE OF DECK.
 - NEW 2#6 & 2#10 TECK CABLES BURIED UP TO 1 METER BELOW GRADE C/W 300mm BED OF SAND.
 - EXISTING ABOVE GROUND JUNCTION BOX AND UNDERGROUND AND SURFACE. NEW AND EXISTING TECK CABLES. SUPPLY AND INSTALL NEW 200x200x2440mm PRESSURE TREATED WOOD POST BURIED 1220mm.
 - NEW 2#6, 2#10 & 2#12, 1#8 GND RW90 IN 53mm PVC IN TRENCH DETAIL 'C-C'.
 - EXISTING 3#500 MCM RW90 IN 103mm PVC AND 1-103mm PVC SPARE. DISCONNECT AND REMOVE WIRES. REPLACE ELBOWS AND HORIZONTAL 103mm PVC CONDUIT ONE METRE HIGHER, RE-INSTALL AND CONNECT WIRES. COORDINATE AND PAY FOR POWER OUTAGES WITH NSPI.
 - EXISTING 400A, 120/240V, 1#, 3W SERVICE MAST AND WEATHERHEAD UP POLE P2 TO N.S.P.I. STANDARDS C/W SERVICE WIRES FROM PANEL 'A'.
 - EXISTING 6mm STAINLESS STEEL CHECKERED PLATE OVER PVC CONDUIT ON DECK C/W STAINLESS STEEL BOLTS INTO CONCRETE DECK AS PER TRENCH DETAIL '1-1'.
 - PROVIDE 12A TYPE C FUSE (GEC #CRS30H) FOR EACH LIGHTING CIRCUIT AND 6A TYPE C FUSE (GEC #CRS30H) FOR CAMERA CIRCUIT.
 - SUPPLY AND INSTALL NEW 200x200x2440mm PRESSURE TREATED WOOD POST BURIED 1220mm C/W JUNCTION BOX AND RECEPTACLE.
 - NEW 2#6, TECK CABLE BURIED UP TO 1 METER BELOW GRADE.
 - WIRE AND CONDUIT FROM WHARF 403 AND 404 IS TEMPORARILY ROUTED TO TEMPORARILY INSTALLED PANEL B. REDIRECT AND EXTEND/SPICE WIRE AND CONDUIT FROM WHARF 403 & 404 TO PERMANENTLY INSTALLED PANEL 'B'.
 - PANEL 'A' ENCLOSURE, METER, FUSED DISCONNECT IS PRESENTLY INSTALLED ON PLYWOOD BACK BOARDS AND WOOD POSTS 300mm ABOVE EXISTING GRADE. HOWEVER NEW GRADE WILL BE APPROXIMATELY 1.0 METER HIGHER AND PLYWOOD AND ALL EQUIPMENT IS TO BE RAISED 1.0 METER BY EXTENDING WOOD POSTS 1.0 METER. INSTALL ADDITIONAL OVERLAPPING 1.6m LONG GALVANIZED HSS SECTION OVER THE OUTSIDE OF THE WOOD POST AND BOLT WITH 4-25mm DIAMETER GALVANIZED BOLTS/NUTS/LOCKWASHERS IN EACH POST. BASE SUPPLY AND LOAD CONDUITS AND CONDUITS AS PER NOTES 27 AND 37.
 - EACH CONDUIT RUN IS TO CONSIST OF DESIGNED WIRES IN 53mm PVC CONDUIT THAT IS FASTENED EVERY 1.5 METERS TO A WOOD SUPPORT WITH 53mm 316 GRADE S/S 'U' BRACKETS AND 75mm 316 GRADE S/S LAG BOLTS. FOR THE FEEDER BETWEEN PANEL 'A' AND PANEL 'B' THE 3#500 MCM + 1#3 RW90 WIRE IS TO BE INSTALLED DIRECTLY IN THE 103MM PVC CONDUIT.
 - EACH CONDUIT RUN IS TO CONSIST OF DESIGNED WIRES IN 53mm PVC CONDUIT THAT IS FASTENED EVERY 1.5 METERS TO A CONCRETE DECK WITH 53mm 316 GRADE S/S 'U' BRACKETS AND 75mm 316 GRADE S/S LAG BOLTS. FOR THE FEEDER BETWEEN PANEL 'A' AND PANEL 'B' THE 3#500 MCM + 1#3 RW90 WIRE IS TO BE INSTALLED DIRECTLY IN THE 103MM PVC CONDUIT.
 - REMOVE EXISTING WOOD POLE C/W ALL ELECTRICAL SERVICES.
 - NEW 3#8, 1#10 GND RW90 IN EXISTING 53mm PVC FOR DERRICK DK4, 1-53mm PVC SPARE.

- NOTES**
- EXISTING 2#6, 4#8, 1#8 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE.
 - ALL EXISTING TECK CABLES ON DECK TO BE REMOVED.
 - EXISTING 2#10 TECK CABLE U/G TO REMAIN.
 - NEW 2#6 TECK CABLE FASTENED TO WHARF RAILING.
 - EXISTING GALVANIZED CABLE GUARD C/W 316 GRADE STAINLESS STEEL CLAMPS AND 316 GRADE STAINLESS STEEL LAG BOLTS TO PROTECT PVC CONDUITS FROM ICE FULL LENGTH OF WHARF 401. ONE CABLE GUARD FOR PANEL 'B' FEEDER AND ONE CABLE GUARD FOR OTHER PVC CONDUITS NOTED. REINSTALL IN 4 CLOSED AREAS OF WHARF WITH S/S CONCRETE INSERT BOLTS.
 - EXISTING 120/208V 3# 0/H POWER LINE FOR FREEZER BUILDING.
 - EXISTING 120/240V 1# 0/H POWER LINE FOR WHARF.
 - EXISTING 12.47KV 3# 0/H POWER LINE.
 - EXISTING INSTALLED WIRE, CONDUIT AND SUPPORTS MAY BE RE-USED ONLY IF PROPERLY REMOVED, STORED AND INSTALLED WITH NO DAMAGE TO CABLE, CONDUIT AND SUPPORT.
 - SUPPLY AND INSTALL NEW LAMACODUE TO CIRCUIT CHANGE.
 - SUPPLY AND INSTALL NEW ALUMINUM SHROUD AND 2-150X150MM PVC JUNCTION BOXES TO PROTECT AND TERMINATE 2-53MM PVC CONDUITS. AT SHROUD SH10 ENLARGE SHROUD TO ACCOMMODATE ALL CONDUITS.
 - ALL NEW AND EXISTING 20A AND 30A TL RECEPTACLES ON ALL WHARFS 401, 402, 403 AND 404 ARE TO HAVE WEATHERPROOF COVERPLATE REPLACED WITH NEW IN-USE WEATHERPROOF EXPANDABLE LOCKABLE COVERPLATES.
 - EXISTING ELECTRICAL SHOWN IN LIGHT LINE WEIGHTS AND NOTES IS EXISTING UNLESS NOTED OTHERWISE. EXISTING ELECTRICAL SHOWN IN DARK LINE WEIGHTS AND NOTES IS EXISTING TO BE REMOVED AND/OR REPLACED WITH NEW WORK UNLESS NOTED OTHERWISE. NOTED IN DARK ON WHARF 403 AND 404 INCLUDE NEW WORK UNDER THIS CONTRACT.
 - A 150MM DIA X 2440MM HIGH SCHEDULE 04 GALVANIZED STEEL PIPE FILLED WITH CONCRETE AND A METAL TOP CAP AND 13MM THICK 300X300MM GALVANIZED STEEL BASE TO BE INSTALLED 300MM FROM EACH OUTER CORNER OF PANEL B AND FASTENED TO CONCRETE DECK WITH 4-25MM DIA. X 150MM LONG S/S CONCRETE INSERT ANCHOR BOLTS.



0	ISSUED FOR TENDER	2018 05.13
revisions		date
project	WHARF RECONSTRUCTION 401 & 402 BEAR POINT SHELburne COUNTY NOVA SCOTIA	project
designed	RALPH SMITH, P.ENG.	designed
date	2018.05.13	date
drawn	WILLIAM GOURLEY	drawn
date	2018.05.13	date
approved	RALPH SMITH, P.ENG.	approved
date	2018.05.13	date
Tender	NSPI	Submission
PWSC Project Manager	Administrateur des projets IPSC	no. du projet
project number	R.097263.001	no. du projet
drawing no.	E2 OF 4	no. du dessin