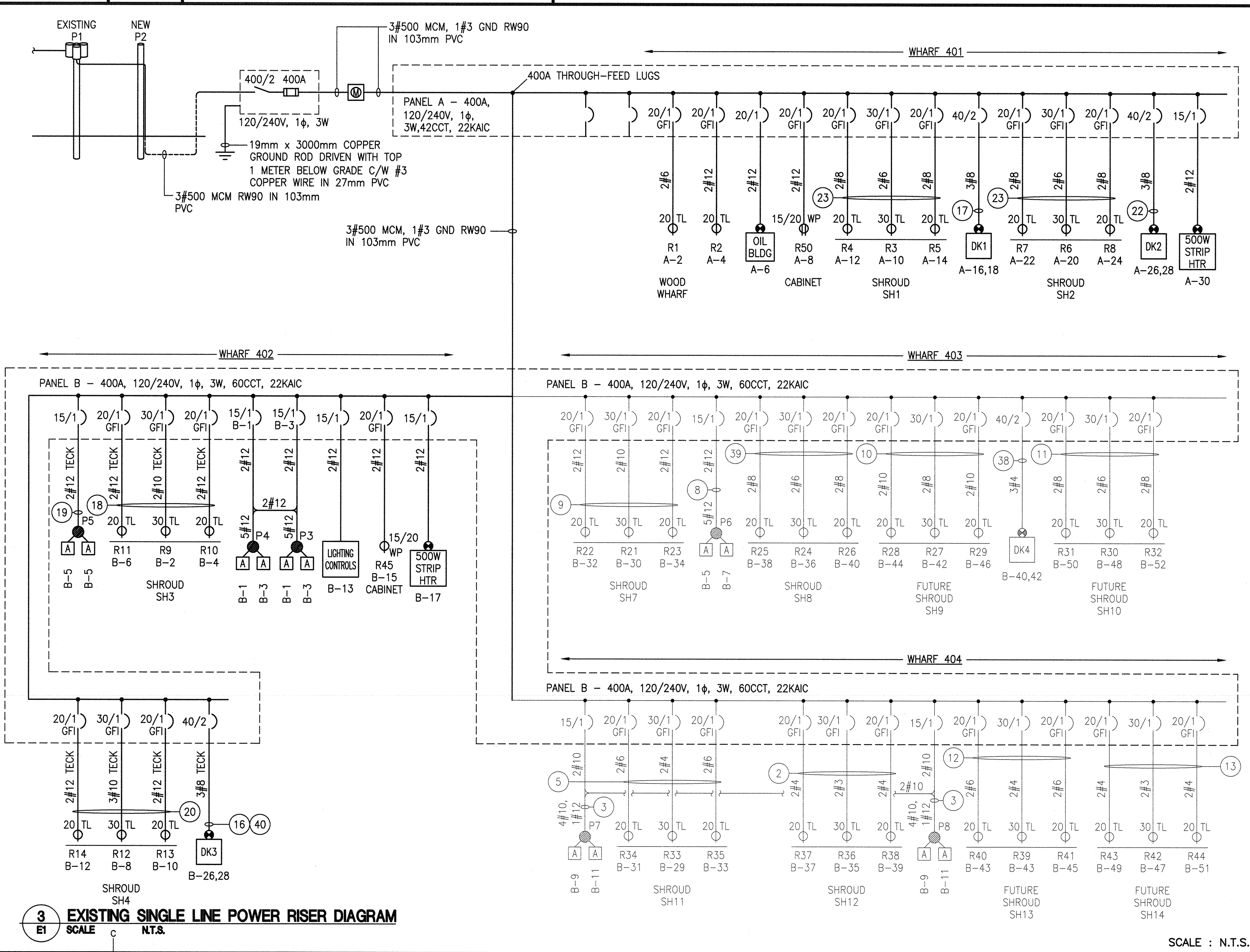
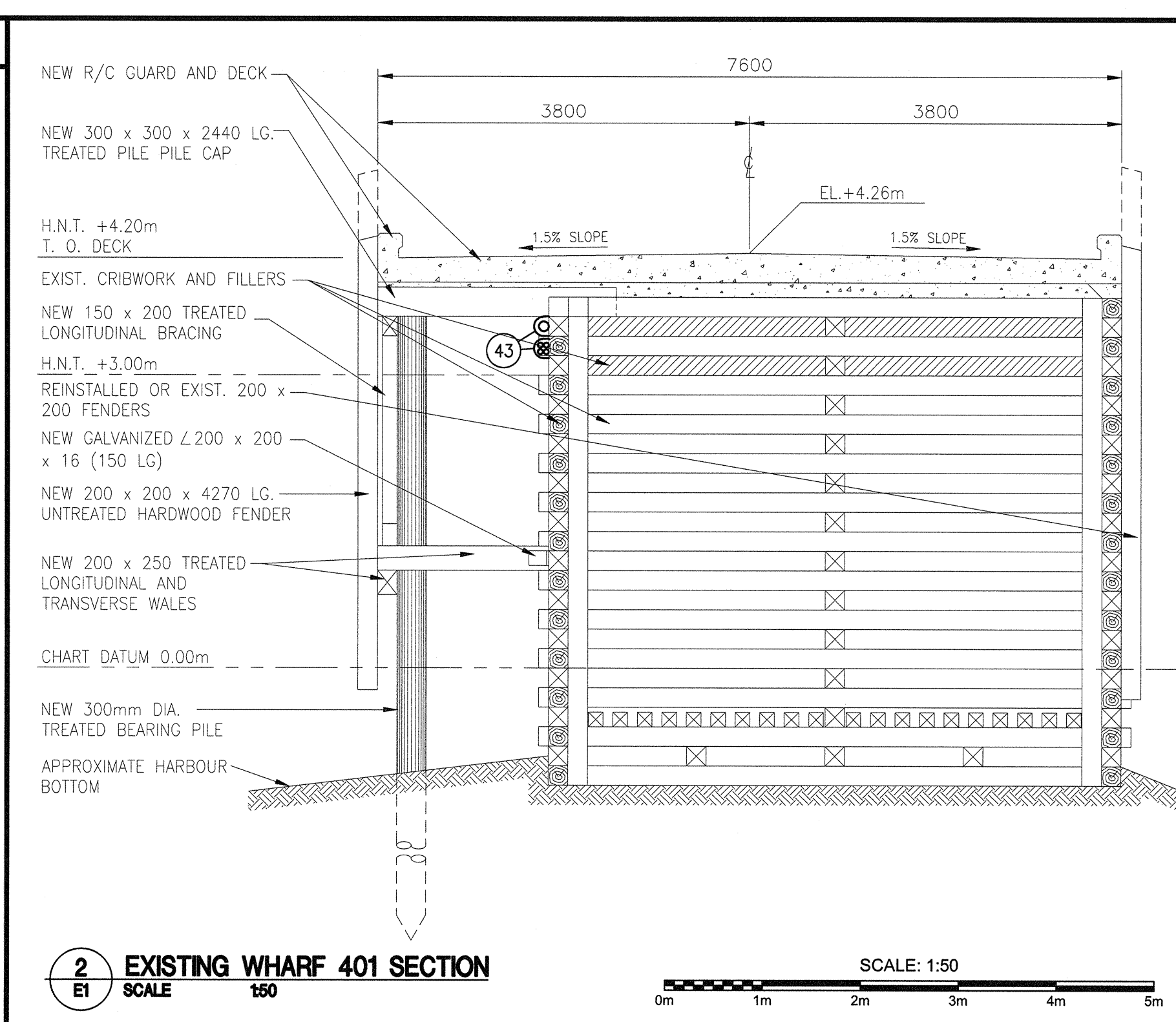


- NOTES**
- REFER TO STRUCTURAL DRAWINGS FOR CONSTRUCTION EXPANSION JOINT LOCATIONS WHERE EACH EXISTING 50mm PVC CONDUIT NEEDS AN EXPANSION JOINT CONNECTION.
 - EXISTING 2#3, 4#4, 1#8 GND RW90 IN EXISTING 53mm PVC, 1-53mm PVC SPARE (2#3 & 4#4 TECK CABLES FASTENED ON DECK ON WHARF 404).
 - EXISTING 4#10, 1#12, 1#10 GND RW90 IN EXISTING 53mm PVC (5#10 TECK CABLE FASTENED ON DECK ON WHARF 404).
 - ORIGINAL 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).
 - EXISTING 60A, 2P, 240V, 316 GRADE STAINLESS STEEL 4x DISCONNECT SWITCH TO TERMINATE FEEDERS TO EACH DERRICK. ALSO WIRE FROM DISCONNECT TO DERRICK.
 - EXISTING FIBRE GLASS CABINET 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 WITH 1-53mm CONDUIT USED FOR 3#8 TECK CABLE TO DK4.
 - EXISTING 120V/208V 3Ø O/H POWER LINE FOR FREEZER BUILDING.
 - EXISTING 3#8 TECK.
 - EXISTING 3#8, 1#10 GND RW90 IN EXISTING 53mm PVC FASTENED ON UNDERSIDE OF DECK AS PER NOTE 43.
 - EXISTING 4#12, 2#10 TECK CABLES FASTENED TO WHEEL GUARD.
 - EXISTING 2#12 TECK CABLE FASTENED TO WHEEL GUARD.
 - EXISTING 4#12, 3#10 TECK CABLES FASTENED TO WHEEL GUARD.
 - EXISTING 5#12, 1#10 GND RW90 IN 53mm PVC FASTENED ON UNDERSIDE OF DECK AS PER NOTE 43.
 - FUTURE 3#8, 1#10 GND RW90 IN EXISTING 53mm PVC FASTENED ON UNDERSIDE OF DECK AS PER NOTE 43.
 - EXISTING 2#6, 4#8, 1#8 GND RW90 IN 53mm PVC FASTENED ON UNDERSIDE OF DECK AS PER NOTE 43.
 - EXISTING 3#500 MCM, 1#3 GND RW90 IN 103mm PVC.
 - EXISTING ABOVE GROUND JUNCTION BOX AND UNDERGROUND AND SURFACE PVC CONDUITS C/W WIRES. NOT ENERGIZED.
 - EXISTING 120/240V 1Ø, 3W O/H POWER LINES FOR WHARF.
 - EXISTING 3#500 MCM, RW90 IN 103mm PVC.
 - EXISTING 400A, 120/240V, 1Ø, 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'.
 - EXISTING 12A TYPE C FUSE (GEC #CRS30H) FOR EACH LIGHTING CIRCUIT AND 6A TYPE C FUSE (GEC #CRS30H) FOR CAMERA CIRCUIT (TYPICAL FOR EACH LIGHT POLE).
 - EXISTING TECK CABLE ALONG WHEEL GUARD AND U/G TO BE REMOVED UNDER NEW WORK.
 - EXISTING U/G TECK CABLE TO BE REPLACED UNDER NEW WORK.
 - EXISTING WIRE IN 18-53mm CONDUITS AND TECK CABLE FOR WHARF 403 AND 404 IS TEMPORARILY ROUTED TO TEMPORARILY INSTALLED PANEL B.
 - EXISTING PANEL 'A', ENCLOSURE, METER, FUSED DISCONNECT INSTALLED ON PLYWOOD BACK BOARDS AND WOOD POSTS 300MM ABOVE EXISTING GRADE.
 - SEE SITE CONDITIONS FOR EXACT LOCATIONS OF 18-53mm PVC CONDUITS COMING OUT OF END OF WHARF 403.
 - 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 IN NEW WORK UNLESS NOTED OTHERWISE.
 - EXISTING 12.47KV 3Ø O/H POWER LINE.
 - EXISTING 2-53mm PVC FOR DERRICK DK4.
 - EXISTING 2#6, 4#8, 1#8 GRD RW90 IN EXISTING 53MM PVC, 1-53MM PVC SPARE.
 - EXISTING TECK CABLES ON DECK PARTIALLY FASTENED TO WHEEL GUARD, UNDER CHECKERED S/S PLATE OR U/G TO BE REMOVED IN NEW WORK.
 - EXISTING TECK CABLE WEDGED IN DECK JOINT TO BE REMOVED IN NEW WORK.
 - EXISTING 2#12 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.

| SYMBOL | EXISTING & NEW LEGEND |
|--------|---|
| P7 | EXISTING WOOD POLE, POLE #7: POLES P3, P4 & P5 TO BE REMOVED FROM OLD WHARF AND REINSTALLED ON NEW WHARF. |
| ⊙ | EXISTING POLE MOUNTED TRANSFORMER. |
| --- | EXISTING OVERHEAD POWER LINE. |
| --- | EXISTING AND NEW UNDERGROUND OR UNDERDECK WIRE AND PVC CONDUIT OR TECK CABLE. |
| ⊙ | EXISTING TYPE A 250W HPS ROADWAY LIGHT FIXTURE. |
| ⊙ | EXISTING TYPE B 250W HPS FLOOD LIGHT FIXTURE. |
| ⊙ | 20A, 120V RECEPTACLE C/W IN-USE WEATHERPROOF COVERPLATE, 'R2' - RECEPTACLE #R2, '30' - 30A, 'TL' - TWIST LOCK, 'A-4' PANEL A CIRCUIT #4. |
| ⊙ | EXISTING SERVICE SHROUD. |
| ⊙ | SOLAR NAVIGATIONAL LIGHT. |
| ⊙ | PVC JUNCTION BOX. |
| ⊙ | EXISTING 400A, 120/240V, 1Ø, 3W ELECTRICAL SERVICE. |
| ⊙ | EXISTING AND NEW LED FLOOD LIGHT FIXTURE ON WOOD POLE. |
| ⊙ | SHROUD WITH 2-20A TL & 1-30A TL, 120V MARINE GRADE RECEPTACLES C/W IN-USE WEATHERPROOF COVERPLATE, 'SH2' - SHROUD #2. |
| ⊙ | ABOVE DECK ALUMINUM ENCLOSURE C/W PANEL 'B' FOR TRANSITION FROM UNDER DECK TECK CABLE TO PVC CONDUIT AND RW90 WIRES IN NEW CONCRETE DECK. |
| ⊙ | DERRICK #2 C/W DIRECT CONNECT TO INTEGRAL WP DISCONNECT SWITCH AND MOTOR STARTER. |
| ⊙ | LIGHTING TIME CLOCK. |
| ⊙ | LIGHTING CONTROL CONTACTOR #1. |
| ⊙ | LIGHTING CONTROL BY-PASS SWITCHES. |

| SYMBOL | EXISTING & NEW LEGEND |
|--------|---|
| ⊙ | LIGHTING CONTROL CONTRACTOR COIL. |
| ⊙ | EXISTING 15/20A 120V MARINE GRADE RECEPTACLE C/W WEATHERPROOF COVERPLATE TO REMAIN IN PANEL A AND PANEL B CABINETS. |
| ⊙ | NEW 200x200x2440mm PRESSURE TREATED WOOD POST BURIED 1200mm. |



1 EXISTING ELECTRICAL SITE PLAN
SCALE: 1:150

3 EXISTING SINGLE LINE POWER RISER DIAGRAM
SCALE: N.T.S.

Public Works and Government Services
Travaux Publics et Services gouvernementaux
Canada

primary consultant

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INNOVATIVE ENGINEERING AND DESIGN
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PROFESSIONAL ENGINEER
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| drawing | design | |
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| date | 2018.05.13 | |
| drawn | WILLIAM GOURLEY | dessiné |
| date | 2018.05.13 | |
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