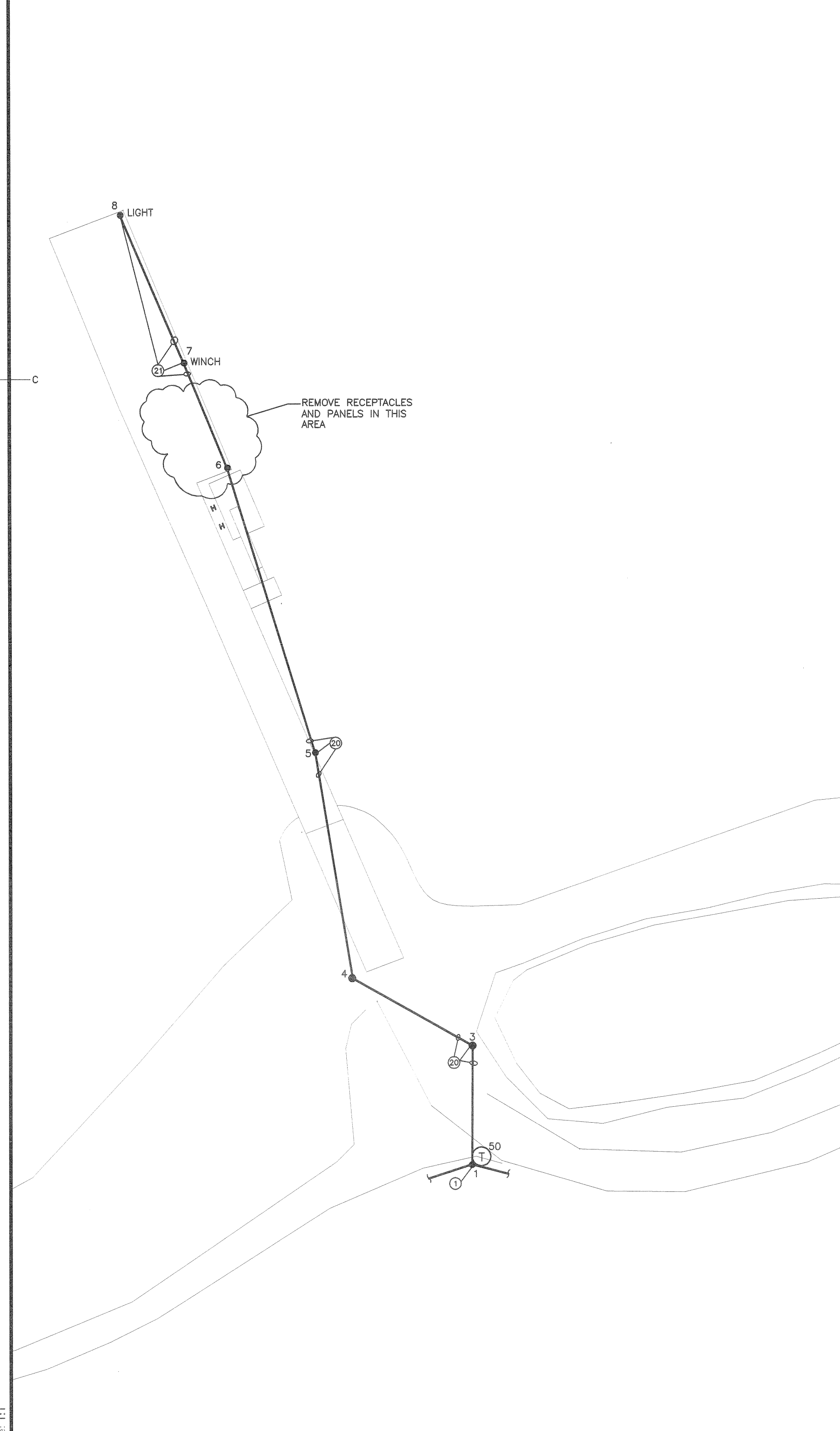
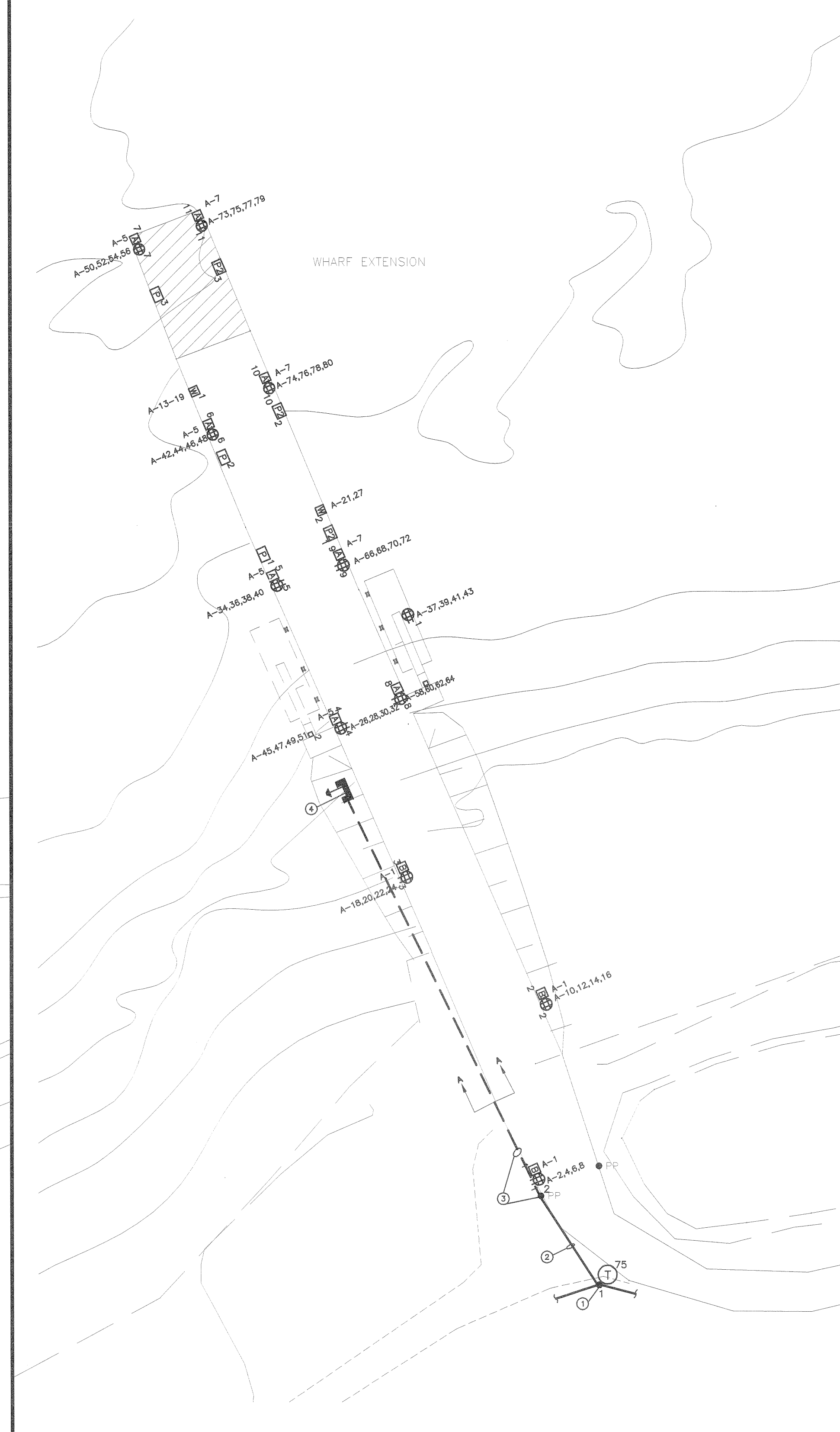


PLAN OF NEW WORK



EXISTING SITE PLAN



NEW WORK

- NOTES
- EXISTING N.B. POWER WOOD POLE C/W 1-50KVA 7200-120/240V 1Ø TRANSFORMER, UPGRADED TO 75KVA BY NB POWER.
 - NEW N.B. POWER O/H SECONDARY SERVICE FEEDER TO NEW WOOD POLE. MINIMUM HEIGHT OF WIRE ABOVE GROUND IS 6.0 METERS.
 - NEW N.B. POWER WOOD POLE C/W GUYS BY NB POWER AND TWO SETS OF 400A 120/240V 1Ø OVERHEAD SERVICES. WEATHERHEADS AND PVC CONDUITS DOWN POLE TO POWER CENTER USING 2 RUNS OF 3Ø 500MCM & 1#3 GND. RWU90 IN 103mm PVC C/W LONG SWEEP ELBOWS & CONCRETE ENCASMENT UNDERGROUND BY DIV. 16.
 - NEW POWER CENTER & GROUNDING. 1#3 RWU90 IN 27mm PVC BURIED UNDER ROCK TO GROUND PLATE ON HARBOUR BOTTOM.
 - PROVIDE NEXT SIZE EXPANSION SLEEVE FOR EACH PVC CONDUIT AND CAP END OF EXPANSION SLEEVE.
 - 2#6 & 1#8 GND RWU90 IN 27mm PVC IN TRENCH DETAIL 'B-B'
 - 4#6 & 1#8 GND RWU90 IN 35mm PVC IN TRENCH DETAIL 'B-B'
 - 4#6 & 4#8 & 1#8 GND RWU90 IN 41mm PVC IN TRENCH DETAIL 'B-B'
 - 4#6, 4#8, 4#10 & 1#8 GND RWU90 IN 53mm PVC IN TRENCH DETAIL 'B-B'
 - 2#6 & 1#8 GND RWU90 IN 27mm PVC IN DECK.
 - 4#10 & 1#8 GND RWU90 IN 27mm PVC IN DECK.
 - JUNCTION BOX LOCATED UNDER GANGWAY ON SIDE OF DECK.
 - RUN 4#10 TECK CABLE(2 CIRCUITS) FROM JUNCTION BOX UNDER GANGWAY TO QUADPLEX RECEPTACLES MOUNTED ON SIDE OF GANGWAY AT BOTTOM.
 - 12#6 & 1#8 GND RWU90 IN 53mm PVC IN DECK.
 - 12#6, 6#8 & 1#8 GND RWU90 IN 63mm PVC IN DECK.
 - 12#6, 6#8, 6#10 & 1#8 GND RWU90 IN 78mm PVC IN DECK.
 - 3#1 & 1#8 GND RWU90 IN 53mm PVC IN DECK.
 - 3#30 & 1#8 GND RWU90 IN 35mm PVC IN DECK.
 - 78mm PVC SPARE CONDUIT IN DECK.
 - EXISTING O/H SERVICE AND POLES TO BE REMOVED.
 - EXISTING ON OR UNDER WHARF ELECTRICAL TO BE REMOVED.
 - 6#6 & 1#8 GND RWU90 IN 41mm PVC IN DECK.
 - 2#4 & 1#8 GND RWU90 IN 35mm PVC IN DECK.
 - 3#1/0 & 1#8 GND RWU90 IN 53mm PVC IN DECK.
 - PROVIDE EXPANSION COUPLINGS IN ALL PVC CONDUITS AT EXPANSION JOINTS.
 - ALL DRILLING /SLEEVE OF WOOD AND CONCRETE STRUCTURE FOR CONDUITS BY DIV. 16 CONTRACTOR.
 - PROVIDE #10 RWU90 LEADS OFF RECEPTACLES AND CONNECT TO LARGER SIZE WIRE WITH DOUBLE ENDED WIRE CONNECTORS COVERED WITH ELECTRICAL HEAT SHRINK SLEEVES.

- NOTES
- EXISTING N.B. POWER WOOD POLE C/W 1-50KVA 7200-120/240V 1Ø TRANSFORMER, UPGRADED TO 75KVA BY NB POWER.
 - NEW N.B. POWER O/H SECONDARY SERVICE FEEDER TO NEW WOOD POLE. MINIMUM HEIGHT OF WIRE ABOVE GROUND IS 6.0 METERS.
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SYMBOL	ELECTRICAL LEGEND
	NEW TYPE A LIGHTING FIXTURE ON ALUMINUM POLE C/W WHARF CONCRETE BASE & 4 CIRCUIT QUAD RECEPTACLE. 3-POLE NUMBER. 2-RECEPTACLE NUMBER. #10 TECK TO ALSO READ 1-3/C #8 TECK.
	NEW TYPE B LIGHTING FIXTURE ON ALUMINUM POLE C/W ROADWAY CONCRETE BASE & 4 CIRCUIT QUAD RECEPTACLE. 3-POLE NUMBER. 2-RECEPTACLE NUMBER. #10 TECK TO ALSO READ 1-3/C #8 TECK.
	GROUNDING PLATE.
	INDICATES-OVERHEAD WIRING.
	200 x 200 x 3658mm PRESSURE TREATED POST.
	150 x 150 x 100mm DEEP PVC WEATHERPROOF JUNCTION BOX OR AS INDICATED.
	WINCH/WELDER OUTLET CONNECTION 5H.P., 240V, 1Ø.
	OVERHEAD N.B. POWER SUPPLY LINE
	NEW PVC CONDUIT C/W WIRES IN TRENCH OR IN CONCRETE DECK OR TECK CABLE AS INDICATED
	NEW ELECTRICAL POWER CENTER C/W PANELS, FUSED DISCONNECTS & METERS MOUNTED IN TWO STAINLESS STEEL CABINETS MOUNTED 409mm ABOVE DECK ON 4-200x200x3658mm PRESSURE TREATED SUPPORT POSTS 1829mm ABOVE WHARF AND 1829mm BELOW GRADE. PROVIDE #3 GREEN GROUND IN 27mm PVC & GROUND PLATES AT BOTTOM OF HARBOUR.
	QUAD RECEPTACLE (2 DUPLEX RECEPTACLES) WITH EACH OUTLET ON SEPERATE CIRCUITS(4). MOUNT 2 GANG WEATHERPROOF BOX/COVER ON SIDE OF GANGWAY AT BOTTOM OF GANGWAY. 2-RECEPTACLE NUMBER.
	20mm DIA x 3m LONG COPPER GROUND ROD.
	SHORE POWER OUTLET C/W SERVICES FOR 2 BOATS FROM ONE METER, 1- OUTLET NUMBER
	WOOD POLE; 1-POLE #1.
	POST AND JUNCTION BOX FOR FUTURE SHORE POWER;1-POST #1.
	DIRECT CONNECT TO EQUIPMENT PROVIDED BY USER.
	WELDER OUTLET 50A 240V 1Ø.
	100A DISCONNECT FUSED AT 60A.
	POLE MOUNTED TRANSFORMER BY NB POWER; 75-INDICATES 75 KVA 7200V 1Ø-120/240V 1Ø, 3W.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

Electrical Consultant:

Ralph Smith Engineering Inc.

REGISTERED PROFESSIONAL ENGINEER
Ralph A. Smith
PROVINCE OF NEW BRUNSWICK

revisions	description	date

A
C

A detail no.
no. du detail

A
B C

B location drawing no.
sur dessin no.
C drawing no.
dessin no.

project

HARBOUR IMPROVEMENTS BOYNE'S COVE

CHARLOTTE CO., N.B.

drawing

SITE PLAN, LEGEND & DETAILS

designed

RALPH SMITH, P.ENG, L.C.

concu

date

2003.07.31

drawn

ANTHONY BONNAR

dessine

date

2003.07.31

approved

RALPH SMITH, P.ENG, L.C.

approve

date

2003.07.31

Tender

[Signature] P.Eng 03/12/04

Soymission

Project Manager

Administrateur de projets

PROJ

project number

no. du projet

310307

drawing no.

no. du dessin

E1 OF 2

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