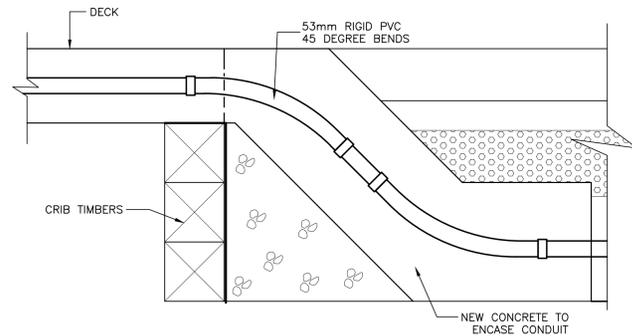


SMALL CRAFT HARBOURS



TRANSITION FROM TRENCH TO NEW DECK
N.T.S.

NEW PANEL

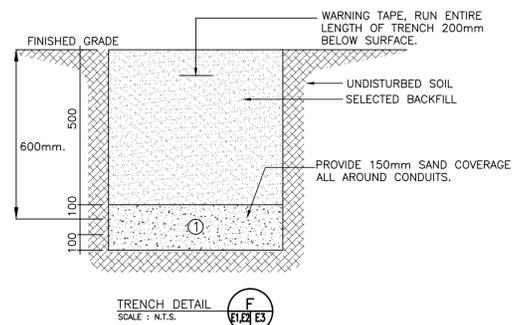
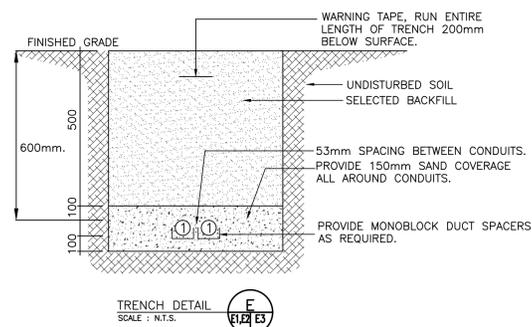
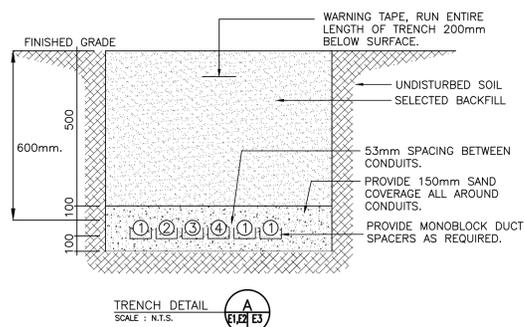
VOLTS	120/208	PANEL NAME	"A"	MAINS RATED	200 AMPS	C/W SERVICE ENTRANCE RATED 200A 3P MAIN BREAKER
PHASE	3	LOCATION	ELECTRICAL SHED	MOUNTING	SURFACE	
WIRE	4	FED FROM	UTILITY	MIN. CIRCUITS	24	

DESIGNATION	WATTAGE			U/G WIRE	BKR	CCT	A	B	CCT	BKR	WIRE	WATTAGE			DESIGNATION
	# A	# B	# C									# A	# B	# C	
LIGHTING (SHED)	100			12	15	1			2	30	10	2520			PEDESTAL #1 (RECEPT. #1)
EXTERIOR LIGHTING (SHED)	40			12	15	3			4	2	10	2520			PEDESTAL #1 (RECEPT. #2)
EXTERIOR RECEPTACLE (SHED)			120	12	15	5			6	20	12	1680	1680		PEDESTAL #1 (RECEPT. #3)
EXTERIOR LIGHTING CONTROL PANEL RECEPTACLES (SHED)	200		480	12	15	7			8	20	12	1680			SPARE
HEATER			1000	12	15	9			10	15					PEDESTAL #2 (RECEPT. #1)
SPARE				15	15	11			12	30	2	2520			PEDESTAL #2 (RECEPT. #2)
SPARE				15	17	13			14	2	10	1680	1680		PEDESTAL #2 (RECEPT. #3)
SPARE				15	19				16	20	12	4			SPARE
SPARE				15	21				18	20	12	4			POLE LIGHT #1
SPARE				15	23				20	15	10	10	300	300	POLE LIGHT #2
SPARE				15	25				22	15	10	10	300	300	POLE LIGHT #3
SPARE				15	27				24	15	10	10	300	300	POLE LIGHT #4
SPARE				15	29				26	15	10	10	300	300	POLE LIGHT #5
SPARE				15	31				28	15	10	10	933	933	JIB CRANE
SPARE				15	33				30	15	10	10	933	933	JIB CRANE - LIGHTING
SPARE				15	35				32	20	12	12	120	120	JIB CRANE - RECEPTACLE
SPARE				15	37				34	6					SPARE
SPARE				15	39				36	3					SPARE
SPARE				15	41				38	15	10	10	300	300	SPARE
SPARE				15	43				40	15	12	12			SPARE
SPARE				15	45				42						SPARE
SPARE				15	47				44	30					SPARE
SPARE									46	30					SPARE
SPARE									48	30					SPARE

* - INDICATES CLASS A GFCI CIRCUIT BREAKER
 ** - INDICATES GFCI CIRCUIT BREAKER WITH GROUND FAULT SETTING AT 30mA.
 *** - C/W SHUNT TRIP. SUPPLY AND INSTALL GROUND FAULT RELAY (EATON D64RPI100 OR APPROVED EQUAL), CONNECT TO SHUNT TRIP WITH GROUND FAULT SETTING AT 30mA.

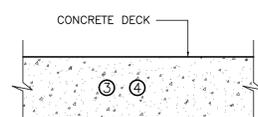
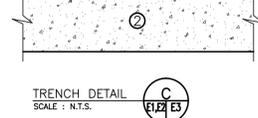
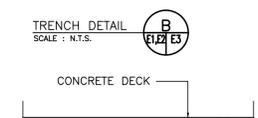
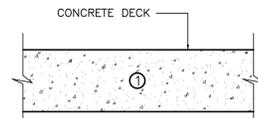
SERVICE DEMAND 29.825 KW 83 AMP @ 208 VOLT, 3P

SYMBOL	UNDERGROUND WIRE AND CONDUIT SIZE
①	2 #10 RWU90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE)
②	3 #8 RWU90 + 4 #6 RWU90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (PEDESTAL #1)
③	3 #6 RWU90 + 4 #4 RWU90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (PEDESTAL #2)
④	8 #12 RWU90 + 2 #10 RWU90 + 4 #6 RWU90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (JIB CRANE, RECEPT, LIGHT)

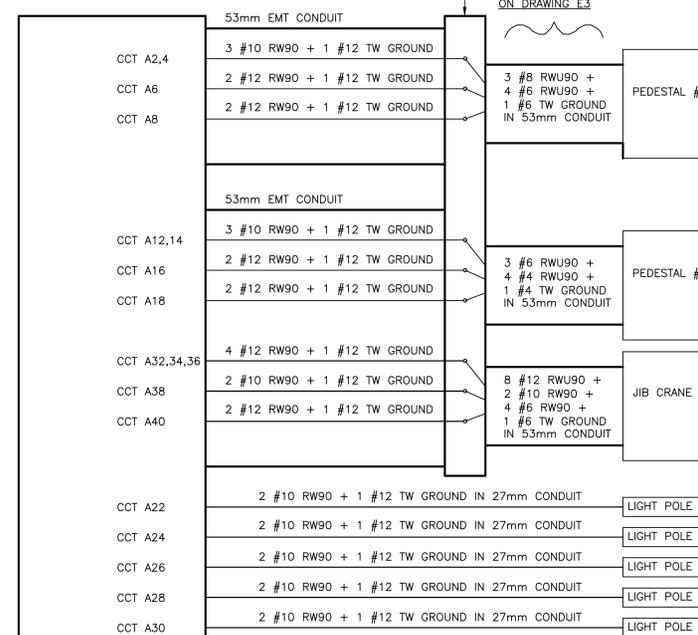


- TRENCHING NOTES:
1. ALL TRENCHES SHALL BE BACKFILLED WITH SELECTED BACKFILL AND TAMPED IN 300mm LAYERS. EXCEPT AT ROAD CROSSINGS WHERE THE BACKFILL SHALL BE THE SAME MATERIAL AS THE ROAD BED AND TAMPED IN 150mm LAYERS. EXCESS FILL SHALL BE PLACED ON TOP TO ALLOW FOR SETTLING.
 2. THE DUCTS SHALL BE SUPPORTED BY APPROVED SPACERS. NO WIRE OR METAL TIES TO BE USED.
 3. COPPER FISH WIRE MINIMUM #8 MUST BE INSTALLED IN ALL DUCTS.
 4. ELECTRICAL DUCT MUST BE RIGID PVC OR APPROVED EQUIVALENT.
 5. ALL DUCTS AND FITTINGS MUST BE CSA APPROVED.
 6. ALL DUCTS ARE TO BE SECURELY CAPPED AT BOTH ENDS.
 7. ALL FITTINGS, COUPLINGS AND ADAPTERS ARE TO BE SOLVENT WELD

- NOTES:
1. CONDUIT LOCATIONS ARE APPROXIMATE ONLY. ACTUAL CONDUIT LOCATIONS TO BE COORDINATED ON SITE.
 2. STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE CIVIL DRAWINGS FOR DETAILS.



TERMINATING BOX WITHIN ELECTRICAL ENCLOSURE. BOX TO BE C/W DIN RAIL MOUNTED TERMINAL BLOCKS EQUAL TO "PHOENIX" CONTACT UK16 SERIES. DO NOT SPLICE CONDUCTORS. SEE TRENCH DETAILS ON DRAWING E3.



UNDERGROUND CONDUCTORS DETAIL
N.T.S.

1	ISSUED FOR TENDER	27/07/21
0	ISSUED FOR TENDER	17/03/20
A	ISSUED FOR REVIEW	06/03/20
revisions		date
project		project

NEDDY HARBOUR DEVELOPMENT
NORRIS POINT, NL.

ELECTRICAL DETAILS

designed	K.NEIL	concu
date	MARCH 2020	
drawn	K.NEIL	desine
date	MARCH 2020	
approved		approve
date		
Tender		Submission
DFO Project Manager		
project number	no. du projet	
C2-00205		
drawing no.	no. du dessin	
E3		