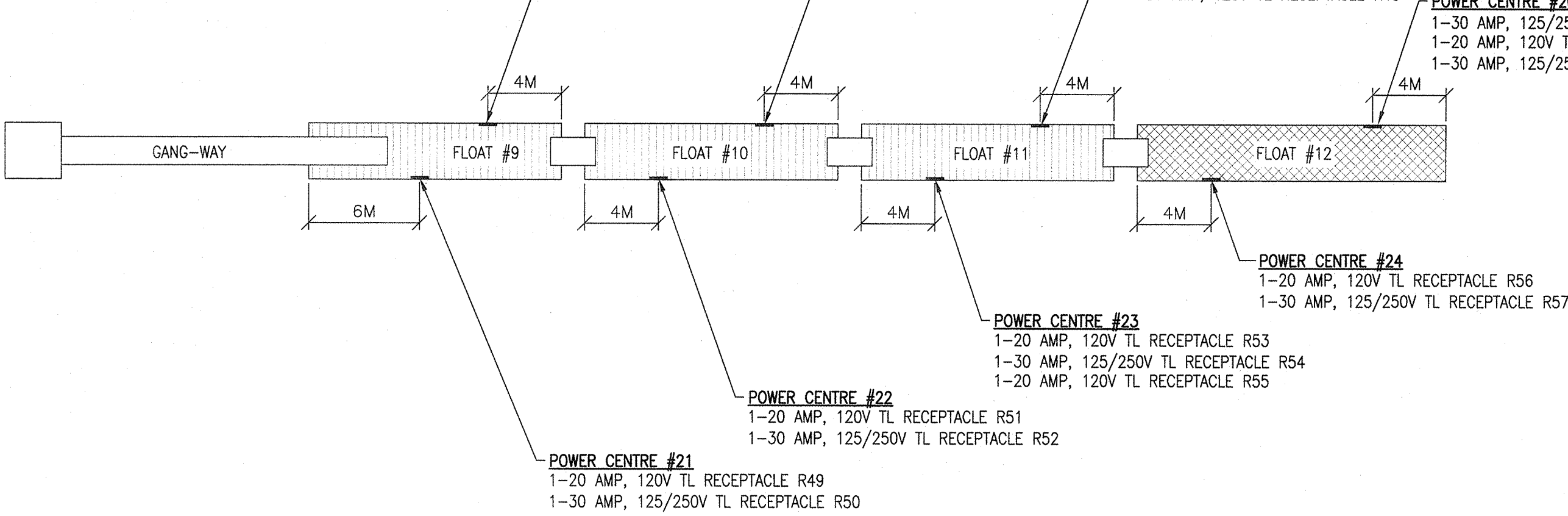
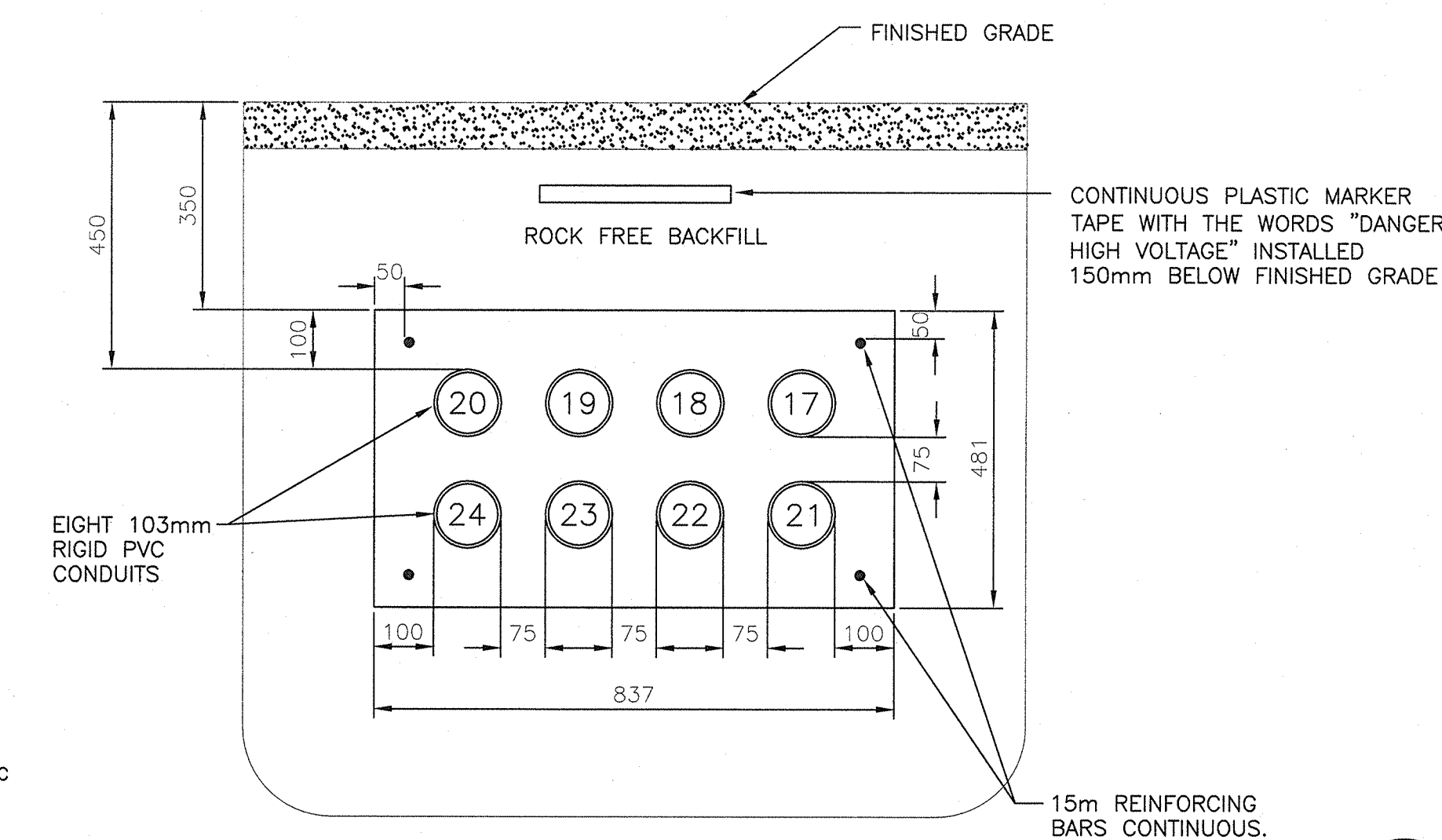


NOTES:

- FLOATING DOCK #3 CONSISTS OF 3 TIMBER FLOATS (FLOATS #9, #10 & #11) AND 1 CONCRETE FLOAT (FLOAT #12).
- ALL CABLING SHALL BE RUN THROUGH STRINGERS OF FLOATS #9, #10 & #11.
- FLOAT #12 IS A CONCRETE FLOAT, CONTRACTOR TO CONSTRUCT A NEW TIMBER DECK ON TOP OF THE CONCRETE.
- CONTRACTOR TO ELEVATE THE LEVEL OF THE BRIDGE/RAMP ON BOTH OF FLOATS #11 & #12 TO ACCOMMODATE THE INCREASE IN DECK ELEVATION OF FLOAT #12.



FLOATING DOCK #3 ELECTRICAL LAYOUT

SCALE: 1:250
0m 5m 10m 15m 20m 25m

SECTION - EXISTING DUCT BANK TO FLOATING DOCK #3

SCALE: N.T.S.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS.

NOTES:

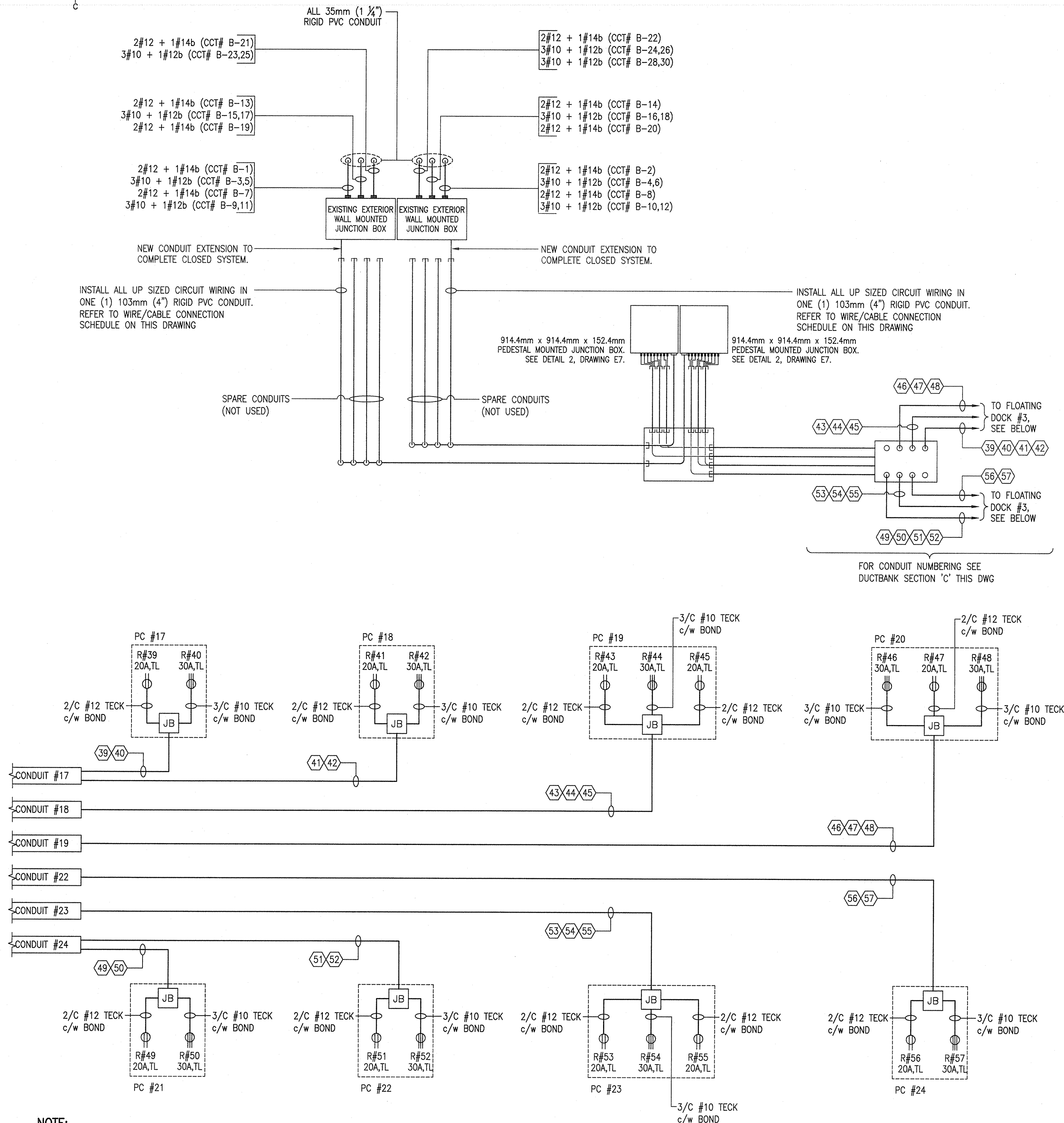
- DUCTBANK IS EXISTING.
- INSTALL CABLES IN THE DUCTBANK AS PER THE FEEDER SCHEDULE.
- MULTIPLE CABLES TO BE PULLED INTO CONDUITS USING A SINGLE PULL.
- ALL CABLES TO BE MEGGARED IMMEDIATELY AFTER PULL.
- ANY DAMAGED CABLES TO BE REPLACED AT CONTRACTORS COST.
- SHOULD ANY CABLES FAIL THE MEGGAR TEST; ALL CABLES IN THAT CONDUIT ARE TO BE REMOVED AND BE RE-INSTALLED WITH THE REPLACEMENT CABLE.

WIRE/CABLE CONNECTION SCHEDULE

CIRCUIT	WIRE SIZE	SPLICE TO	WIRE SIZE	SPLICE TO	CABLE #
B-2	2#12 + 1#14b	→	2#4 + 1#14b	→	39
B-4,6	3#10 + 1#12b	→	3#4 + 1#12b	→	40
B-8	2#12 + 1#14b	→	2#4 + 1#14b	→	41
B-10,12	3#10 + 1#12b	→	3#4 + 1#12b	→	42
B-14	2#12 + 1#14b	→	2#2 + 1#14b	→	43
B-16,18	3#10 + 1#12b	→	3#4 + 1#12b	→	44
B-20	2#12 + 1#14b	→	2#2 + 1#14b	→	45
B-22,24	3#10 + 1#12b	→	3#2 + 1#12b	→	46
B-26	2#12 + 1#14b	→	2#2 + 1#14b	→	47
B-28,30	3#10 + 1#12b	→	3#2 + 1#12b	→	48
B-1	2#12 + 1#14b	→	2#4 + 1#14b	→	49
B-3,5	3#10 + 1#12b	→	3#6 + 1#12b	→	50
B-7	2#12 + 1#14b	→	2#4 + 1#14b	→	51
B-9,11	3#10 + 1#12b	→	3#4 + 1#12b	→	52
B-13	2#12 + 1#14b	→	2#4 + 1#14b	→	53
B-15,17	3#10 + 1#12b	→	3#4 + 1#12b	→	54
B-19	2#12 + 1#14b	→	2#4 + 1#14b	→	55
B-21	2#12 + 1#14b	→	2#2 + 1#14b	→	56
B-23,25	3#10 + 1#12b	→	3#4 + 1#12b	→	57

SPLICE TO OCCUR IN BUILDING MOUNTED JUNCTION BOX.

SPLICE TO OCCUR IN PEDESTAL MOUNTED JUNCTION BOX LOCATED ADJACENT TO GRADE LEVEL PULL PIT.



NOTE:

CONDUITS 20 & 21 ARE SPARE AND NOT SHOWN FOR CLARITY.

FLOATING DOCK #3 - WIRING DIAGRAM

SCALE: N.T.S.

CABLE/FEEDER SCHEDULE/VOLTAGE DROP/WIRE SIZE CALCULATIONS - FLOATING DOCK #3

CABLE #	LOADS	LOCATION	BRK. RATING	VOLTAGE	RATED CURRENT	CIRCUIT	DISTANCE METER (FT)	VOLTAGE DROP	WIRE SIZE	CABLE TYPE	CONDUIT #
39	RECEPTACLE #R39	POWER CENTRE #17	20 AMP	120V	16 AMPS	B-2	96.3m (316')	2.7V (2.25%)	3/C #4	SOOW	17
40	RECEPTACLE #R40	POWER CENTRE #17	30 AMP	120/208V	24 AMPS	B-4,6	96.3m (316')	4.11V (1.97%)	4/C #4	SOOW	17
41	RECEPTACLE #R41	POWER CENTRE #18	20 AMP	120V	16 AMPS	B-8	114.3m (375')	3.25V (2.7%)	3/C #4	SOOW	17
42	RECEPTACLE #R42	POWER CENTRE #18	30 AMP	120/208V	24 AMPS	B-10,12	114.3m (375')	4.87V (2.34%)	4/C #4	SOOW	17
43	RECEPTACLE #R43	POWER CENTRE #19	20 AMP	120V	16 AMPS	B-14	132.3m (434')	2.84V (2.07%)	3/C #2	SOOW	18
44	RECEPTACLE #R44	POWER CENTRE #19	30 AMP	120/208V	24 AMPS	B-16,18	132.3m (434')	5.85V (2.71%)	4/C #4	SOOW	18
45	RECEPTACLE #R45	POWER CENTRE #19	20 AMP	120V	16 AMPS	B-20	132.3m (434')	2.84V (2.07%)	3/C #2	SOOW	18
46	RECEPTACLE #R46	POWER CENTRE #20	30 AMP	120/208V	24 AMPS	B-22,24	150.3m (493')	4.23V (2.03%)	4/C #2	SOOW	19
47	RECEPTACLE #R47	POWER CENTRE #20	20 AMP	120V	16 AMPS	B-26	150.3m (493')	2.82V (2.35%)	3/C #2	SOOW	19
48	RECEPTACLE #R48	POWER CENTRE #20	30 AMP	120/208V	24 AMPS	B-28,30	150.3m (493')	4.23V (2.03%)	4/C #2	SOOW	19
49	RECEPTACLE #R49	POWER CENTRE #21	20 AMP	120V	16 AMPS	B-1	85.6m (281')	2.43V (2.03%)	3/C #4	SOOW	24
50	RECEPTACLE #R50	POWER CENTRE #21	30 AMP	120/208V	24 AMPS	B-3,5	85.6m (281')	6.21V (2.98%)	4/C #6	SOOW	24
51	RECEPTACLE #R51	POWER CENTRE #22	20 AMP	120V	16 AMPS	B-7	103.6m (340')	2.95V (2.45%)	3/C #4	SOOW	24
52	RECEPTACLE #R52	POWER CENTRE #22	30 AMP	120/208V	24 AMPS	B-9,11	103.6m (340')	4.42V (2.12%)	4/C #4	SOOW	24
53	RECEPTACLE #R53	POWER CENTRE #23	20 AMP	120V	16 AMPS	B-13	121.6m (399')	3.46V (2.88%)	3/C #4	SOOW	23
54	RECEPTACLE #R54	POWER CENTRE #23	30 AMP	120/208V	24 AMPS	B-15,17	121.6m (399')	5.19V (2.49%)	4/C #4	SOOW	23
55	RECEPTACLE #R55	POWER CENTRE #23	20 AMP	120V	16 AMPS	B-19	121.6m (399')	3.46V (2.88%)	3/C #4	SOOW	23
56	RECEPTACLE #R56	POWER CENTRE #24	20 AMP	120V	16 AMPS	B-21	139.6m (458')	2.62V (2.18%)	3/C #2	SOOW	22
57	RECEPTACLE #R57	POWER CENTRE #24	30 AMP	120/208V	24 AMPS	B-23,25	139.6m (458')	5.95V (2.86%)	4/C #4	SOOW	22

NOTE:

POWER CENTRE JUNCTION BOXES TO BE SIZED AS PER CEC.

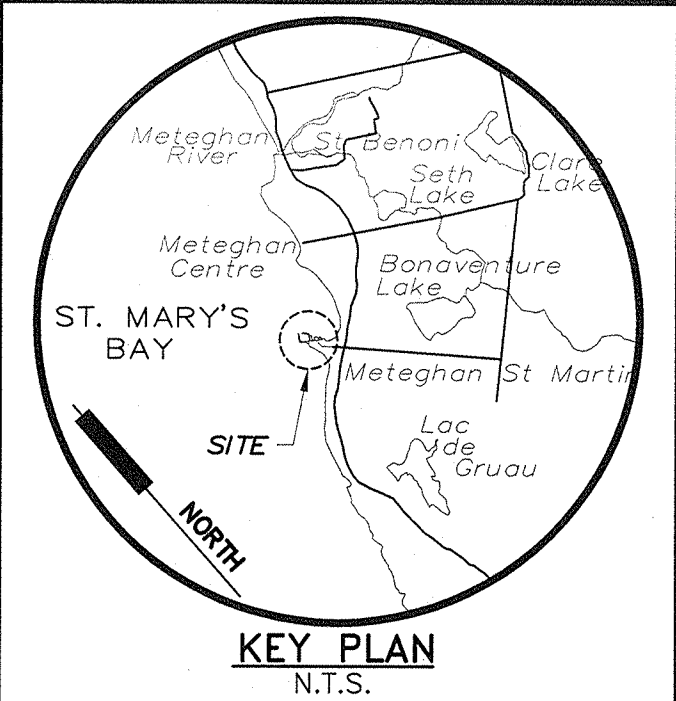
DESIGNATION	KW	WIRE SIZE	CIR NO.	BKR	A	B	C	BKR	CIR NO.	WIRE SIZE	KW	DESIGNATION
1 RECEPTACLE #R49 @ PC#21	1.92		12/4/12	1 20A				20A	2	12/4/12	1.92	1 RECEPTACLE #R39 @ PC#17
2 RECEPTACLE #R50 @ PC#21	4.992		10/4/10	3 30A				30A	4	10/6/10	4.992	2 RECEPTACLE #R40 @ PC#17
1 RECEPTACLE #R51 @ PC#22	1.92		12/4/12	7 20A				20A	8	12/4/12	1.92	1 RECEPTACLE #R41 @ PC#18
2 RECEPTACLE #R52 @ PC#22	4.992		10/4/10	9 30A				30A	10	10/4/10	4.992	2 RECEPTACLE #R42 @ PC#18
1 RECEPTACLE #R53 @ PC#23	1.92		12/2/12	13 20A				20A	14	12/4/12	1.92	1 RECEPTACLE #R43 @ PC#19
2 RECEPTACLE #R54 @ PC#23	4.992		10/4/10	15 30A				30A	16	10/4/10	4.992	2 RECEPTACLE #R44 @ PC#19
1 RECEPTACLE #R55 @ PC#23	1.92		12/2/12	19 20A				20A	20	12/4/12	1.92	1 RECEPTACLE #R45 @ PC#19
1 RECEPTACLE #R56 @ PC#24	1.92		12/2/12	21 20A				30A	22	10/2/10	4.992	2 RECEPTACLE #R46 @ PC#20
2 RECEPTACLE #R57 @ PC#24	4.992		10/2/10	25 2P				20A	26	12/2/12	1.92	1 RECEPTACLE #R47 @ PC#20
				27				30A	28	10/2/10	4.992	2 RECEPTACLE #R48 @ PC#20
				29				2P	30			
				31				32				
				33				34				
				35				36				
SPARE	0			37 20A				20A	38			SPARE
SPARE	0			39 15A				15A	40			SPARE
SPARE	0			41 15A				15A	42			SPARE

NOTES:

- ALL 20 AMP, 1 POLE BREAKERS ARE NEW.
- ALL 30 AMP, 2 POLE BREAKERS ARE EXISTING.
- REFER TO SPECIFICATION SECTION 26 28 21.
- RECONFIGURE PANEL TO MATCH THIS SCHEDULE.

FEEDER: -

TOTAL LOAD: 64.128 kW - 178 AMPS @ 208V, 3φ



1	ISSUED FOR TENDER	DEC. 2014
revisions		date

project
METEGHAN WHARF
FLOATING DOCK
ELECTRICAL INSTALLATION
DIGBY COUNTY, NOVA SCOTIA

drawing

dessin

FLOATING DOCK #3
ELECTRICAL LAYOUT
DETAILS AND NOTES

designed	G. BOWSER	conçu
date	DECEMBER 2014	
drawn	K. WOLFE	dessiné
date	DECEMBER 2014	
approved	<i>[Signature]</i>	approuvé
date	2014.12.10	
tender	<i>[Signature]</i>	Soumission
PWOSC Project Manager	Administrateur de projets TPSCC	
project number	R.074439.002	no. du projet
drawing no.	E3	no. du dessin