

SMALL CRAFT HARBOURS



NOTES:  
 1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.  
 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

PROVINCE OF NEWFOUNDLAND  
 PERMIT HOLDER  
 This Permit Allows  
 APN ENGINEERING INC.  
 To practice Professional Engineering  
 in Newfoundland and Labrador. *P.H. 11/10*  
 Permit No. as issued by APGNL F0282  
 which is valid for the year 2021.



J	RE-ISSUED FOR TENDER BASED ON 2021 SCOPE	6/19/21
I	RE-ISSUED FOR TENDER BASED ON 2021 SCOPE	3/24/21
H	RE-ISSUED FOR TENDER BASED ON 2020 SCOPE	8/19/20
G	RE-ISSUED FOR REVIEW BASED ON 2020 SCOPE	3/26/20
F	RE-ISSUED FOR TENDER	5/11/18
E	ISSUED FOR TENDER	3/19/18
D	RE-ISSUED FOR 89% REVIEW	6/9/17
C	ISSUED FOR 99% REVIEW	2/20/17
B	ISSUED FOR 66% REVIEW	2/13/17
A	ISSUED FOR 33% REVIEW	11/12/16

revisions \_\_\_\_\_ date \_\_\_\_\_

project \_\_\_\_\_ project \_\_\_\_\_

**WHARF RECONSTRUCTION (PHASE II)**  
**GRAND BANK, NL**

drawing \_\_\_\_\_ dessin \_\_\_\_\_

**PILE SCHEDULE**

designed N.H. \_\_\_\_\_ conceu \_\_\_\_\_  
 date JUNE 19, 2021

drawn P.H. \_\_\_\_\_ dessiné \_\_\_\_\_  
 date JUNE 19, 2021

approved \_\_\_\_\_ approuvé \_\_\_\_\_

Tender \_\_\_\_\_ Submission \_\_\_\_\_

DFO Project Manager  
 project number C2-00200 no. du projet

drawing no. C18 no. du dessin

STEEL PIPE PILE SCHEDULE							
LOCATION	PILE SIZE O.D. X THICK (mm)	PILE TYPE	ROCK SOCKETED (YES/NO)	ESTIMATED LENGTH IN WORK (mm)	SUPPLY LENGTH (mm)	AS BUILT BEDROCK ELEVATION (m)	ACTUAL LENGTH IN WORK (m)
1A	610 X 19.5	VERTICAL	YES	5100	8100		
2A	610 X 19.5	VERTICAL	YES	9200	12200		
3A	610 X 19.5	VERTICAL	YES	9200	12200		
4A	610 X 19.5	VERTICAL	YES	9900	12900		
5A	610 X 19.5	VERTICAL	YES	9900	12900		
6A	610 X 19.5	VERTICAL	YES	15100	18100		
7A	610 X 19.5	VERTICAL	YES	15100	18100		
8A	610 X 19.5	VERTICAL	YES	15100	18100		
9A	610 X 19.5	VERTICAL	YES	15100	18100		
10A	610 X 19.5	VERTICAL	YES	10200	13200		
11A	610 X 19.5	VERTICAL	YES	10200	13200		
12A	610 X 19.5	VERTICAL	YES	10200	13200		
13A	610 X 19.5	VERTICAL	YES	6600	9600		
14A	610 X 19.5	VERTICAL	YES	6600	9600		
15A	610 X 19.5	VERTICAL	YES	6600	9600		
16A	610 X 19.5	VERTICAL	YES	7000	10000		
17A	610 X 19.5	VERTICAL	YES	7000	10000		
18A	610 X 19.5	VERTICAL	YES	7000	10000		
19A	610 X 19.5	VERTICAL	YES	7000	10000		
20A	610 X 19.5	VERTICAL	YES	7000	10000		
21A	610 X 19.5	VERTICAL	YES	7000	10000		
22A	610 X 19.5	VERTICAL	YES	7000	10000		
23A	610 X 19.5	VERTICAL	YES	7000	10000		
24A	610 X 19.5	VERTICAL	YES	7000	10000		
1B	610 X 19.5	VERTICAL	NO	6800	9800		
2B	610 X 19.5	VERTICAL	NO	8400	11400		
2BB	610 X 19.5	BATTER	YES	8600	11600		
3B	610 X 19.5	VERTICAL	NO	8400	11400		
3BB	610 X 19.5	BATTER	YES	8600	11600		
4B	610 X 19.5	VERTICAL	NO	13200	16200		
4BB	610 X 19.5	BATTER	YES	14000	17000		
5B	610 X 19.5	VERTICAL	NO	13200	16200		
5BB	610 X 19.5	BATTER	YES	14000	17000		
6B	610 X 19.5	VERTICAL	NO	17500	20500		
6BB	610 X 19.5	BATTER	YES	17500	20500		
7B	610 X 19.5	VERTICAL	NO	17500	20500		
7BB	610 X 19.5	BATTER	YES	17500	20500		
8B	610 X 19.5	VERTICAL	NO	17500	20500		
8BB	610 X 19.5	BATTER	YES	17500	20500		
9B	610 X 19.5	VERTICAL	NO	17500	20500		
9BB	610 X 19.5	BATTER	YES	17500	20500		
10B	610 X 19.5	VERTICAL	NO	11500	14500		
10BB	610 X 19.5	BATTER	YES	12800	15800		
11B	610 X 19.5	VERTICAL	NO	11500	14500		
11BB	610 X 19.5	BATTER	YES	12800	15800		
12B	610 X 19.5	VERTICAL	NO	11500	14500		
12BB	610 X 19.5	BATTER	YES	12800	15800		
13B	610 X 19.5	VERTICAL	NO	9600	12600		
13BB	610 X 19.5	BATTER	YES	13800	16800		
14B	610 X 19.5	VERTICAL	NO	9600	12600		
14BB	610 X 19.5	BATTER	YES	13800	16800		
15B	610 X 19.5	VERTICAL	NO	9600	12600		
15BB	610 X 19.5	BATTER	YES	13800	16800		
16B	610 X 19.5	VERTICAL	NO	10000	13000		
16BB	610 X 19.5	BATTER	YES	12000	15000		
17B	610 X 19.5	VERTICAL	NO	10000	13000		
17BB	610 X 19.5	BATTER	YES	12000	15000		
18B	610 X 19.5	VERTICAL	NO	10000	13000		
18BB	610 X 19.5	BATTER	YES	12000	15000		
19B	610 X 19.5	VERTICAL	NO	10000	13000		
19BB	610 X 19.5	BATTER	YES	12000	15000		
20B	610 X 19.5	VERTICAL	NO	10000	13000		
20BB	610 X 19.5	BATTER	YES	12000	15000		

STEEL PIPE PILE SCHEDULE							
LOCATION	PILE SIZE O.D. X THICK (mm)	PILE TYPE	ROCK SOCKETED (YES/NO)	ESTIMATED LENGTH IN WORK (mm)	SUPPLY LENGTH (mm)	AS BUILT BEDROCK ELEVATION (m)	ACTUAL LENGTH IN WORK (m)
21B	610 X 19.5	VERTICAL	NO	10000	13000		
21BB	610 X 19.5	BATTER	YES	12000	15000		
22B	610 X 19.5	VERTICAL	NO	10000	13000		
22BB	610 X 19.5	BATTER	YES	12000	15000		
23B	610 X 19.5	VERTICAL	NO	10000	13000		
23BB	610 X 19.5	BATTER	YES	12000	15000		
24B	610 X 19.5	VERTICAL	NO	10000	13000		
24BB	610 X 19.5	BATTER	YES	12000	15000		
1C	610 X 19.5	VERTICAL	NO	9600	12600		
2C	610 X 19.5	VERTICAL	NO	9400	12400		
3C	610 X 19.5	VERTICAL	NO	9400	12400		
4C	610 X 19.5	VERTICAL	NO	13400	16400		
5C	610 X 19.5	VERTICAL	NO	13400	16400		
6C	610 X 19.5	VERTICAL	NO	16500	19500		
7C	610 X 19.5	VERTICAL	NO	16500	19500		
8C	610 X 19.5	VERTICAL	NO	16500	19500		
9C	610 X 19.5	VERTICAL	NO	16500	19500		
10C	610 X 19.5	VERTICAL	NO	12100	15100		
11C	610 X 19.5	VERTICAL	NO	12100	15100		
12C	610 X 19.5	VERTICAL	NO	12100	15100		
13C	610 X 19.5	VERTICAL	NO	12500	15500		
14C	610 X 19.5	VERTICAL	NO	12500	15500		
15C	610 X 19.5	VERTICAL	NO	12500	15500		
16C	610 X 19.5	VERTICAL	NO	12000	15000		
17C	610 X 19.5	VERTICAL	NO	12000	15000		
18C	610 X 19.5	VERTICAL	NO	12000	15000		
19C	610 X 19.5	VERTICAL	NO	12000	15000		
20C	610 X 19.5	VERTICAL	NO	12000	15000		
21C	610 X 19.5	VERTICAL	NO	12000	15000		
22C	610 X 19.5	VERTICAL	NO	12000	15000		
23C	610 X 19.5	VERTICAL	NO	12000	15000		
24C	610 X 19.5	VERTICAL	NO	12000	15000		