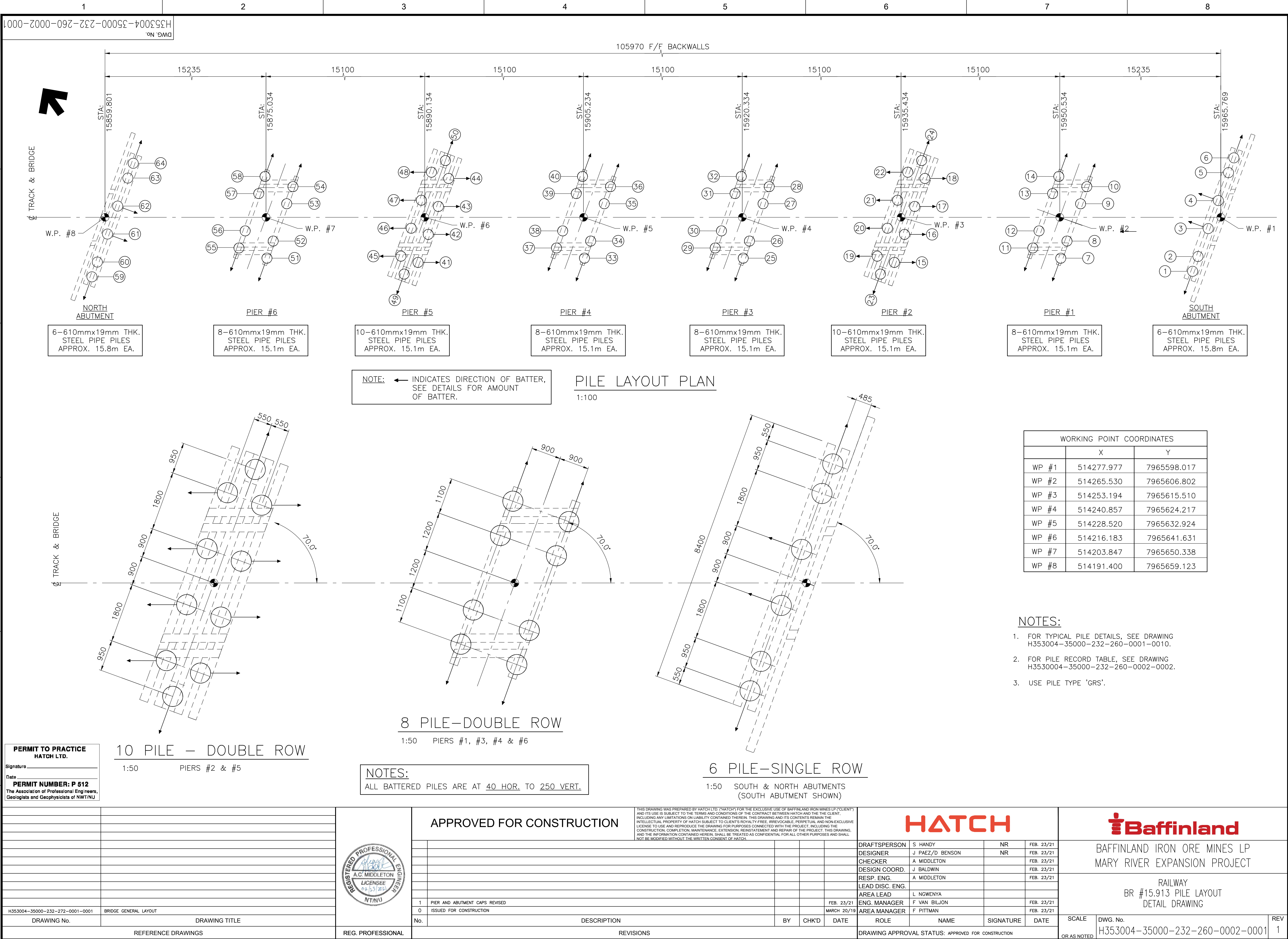
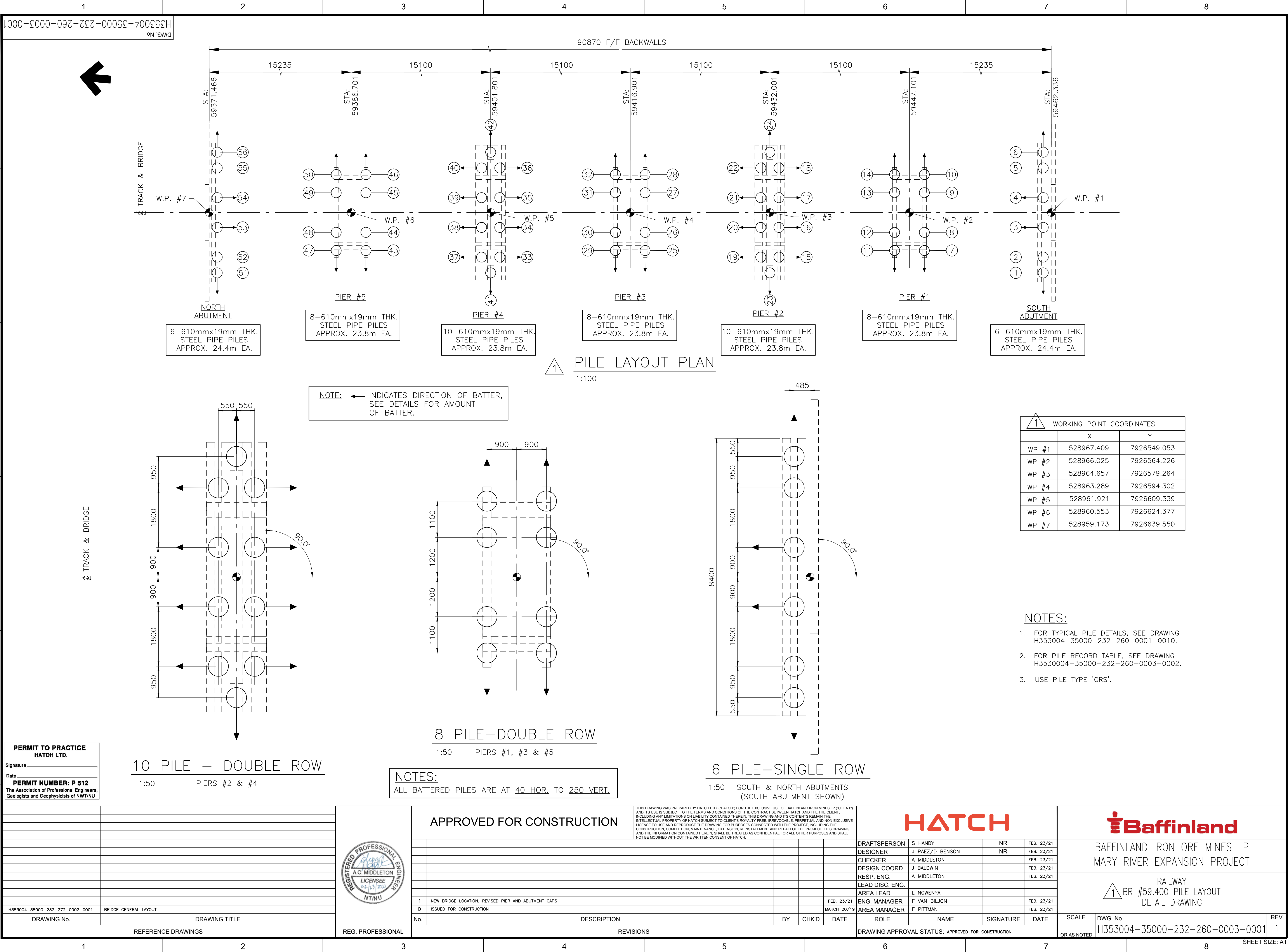






1 PILE LAYOUT PLAN
1:100

NOTE: ← INDICATES DIRECTION OF BATTER, SEE DETAILS FOR AMOUNT OF BATTER.

1	WORKING POINT COORDINATES	
	X	Y
WP #1	528967.409	7926549.053
WP #2	528966.025	7926564.226
WP #3	528964.657	7926579.264
WP #4	528963.289	7926594.302
WP #5	528961.921	7926609.339
WP #6	528960.553	7926624.377
WP #7	528959.173	7926639.550

- NOTES:
- FOR TYPICAL PILE DETAILS, SEE DRAWING H353004-35000-232-260-0001-0010.
 - FOR PILE RECORD TABLE, SEE DRAWING H3530004-35000-232-260-0003-0002.
 - USE PILE TYPE 'GRS'.

10 PILE - DOUBLE ROW
1:50 PIERS #2 & #4

8 PILE-DOUBLE ROW
1:50 PIERS #1, #3 & #5

NOTES:
ALL BATTERED PILES ARE AT 40 HOR. TO 250 VERT.

6 PILE-SINGLE ROW
1:50 SOUTH & NORTH ABUTMENTS
(SOUTH ABUTMENT SHOWN)

PERMIT TO PRACTICE
HATCH LTD.
Signature _____
Date _____
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU



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HATCH

Baffinland

RAILWAY
BR #59.400 PILE LAYOUT
DETAIL DRAWING

DRAFTSPERSON	S HANDY	NR	FEB. 23/21
DESIGNER	J PAEZ/D BENSON	NR	FEB. 23/21
CHECKER	A MIDDLETON		FEB. 23/21
DESIGN COORD.	J BALDWIN		FEB. 23/21
RESP. ENG.	A MIDDLETON		FEB. 23/21
LEAD DISC. ENG.			
AREA LEAD	L NGWENYA		
ENG. MANAGER	F VAN BILJON		FEB. 23/21
AREA MANAGER	F PITTMAN		FEB. 23/21
ROLE	NAME	SIGNATURE	DATE

DRAWING APPROVAL STATUS: APPROVED FOR CONSTRUCTION

SCALE DWG. No. 1
OR AS NOTED H353004-35000-232-260-0003-0001

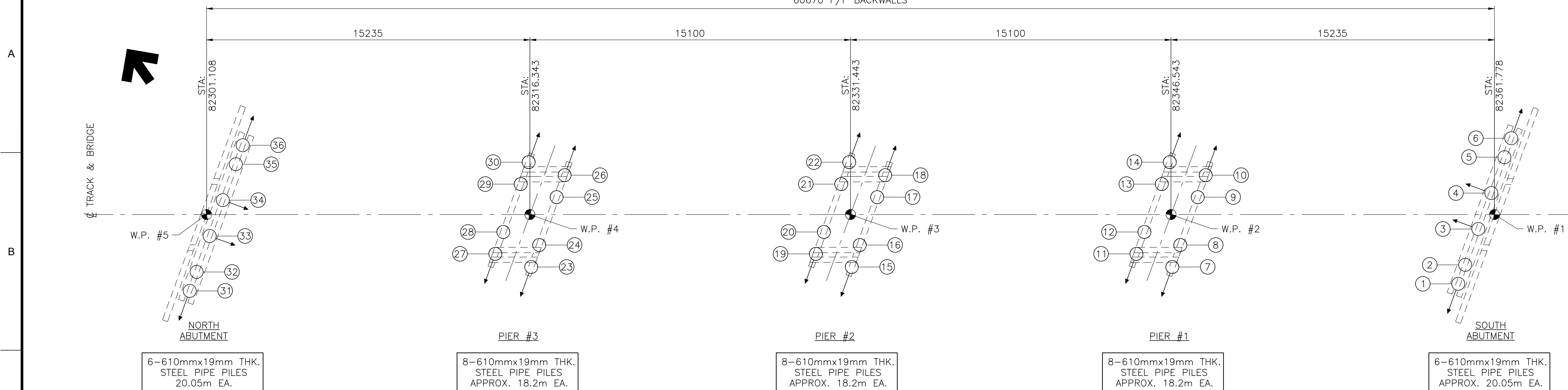
REV 1

SUPERVISOR
STIMES
FILES

SHEET SIZE: A1

DWG. No. H353004-35000-232-260-0004-0001

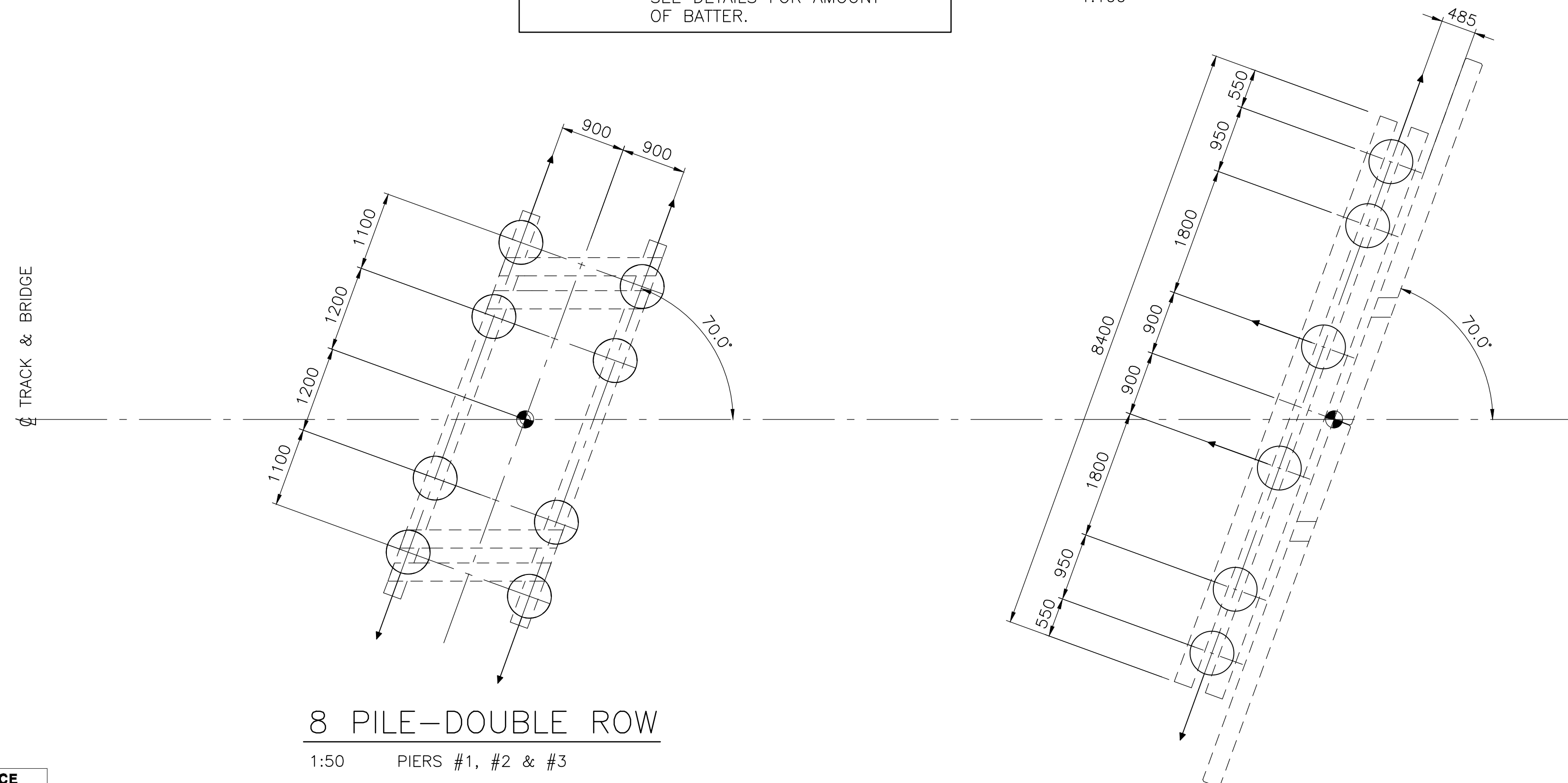
60670 F/F BACKWALLS



NOTE: ← INDICATES DIRECTION OF BATTER,
SEE DETAILS FOR AMOUNT
OF BATTER.

△₂ PILE LAYOUT PLAN

1:100



8 PILE-DOUBLE ROW

1:50 PIERS #1, #2 & #3

6 PILE—SINGLE ROW

1:50 SOUTH & NORTH ABUTMENTS
(SOUTH ABUTMENT SHOWN)

WORKING POINT COORDINATES		
	X	Y
WP #1	542184.314	7922114.841
WP #2	542174.482	7922126.479
WP #3	542164.737	7922138.014
WP #4	542154.992	7922149.548
WP #5	542145.160	7922161.186

NOTES:

1. FOR TYPICAL PILE DETAILS, SEE DRAWING H353004-35000-232-260-0001-0010.
2. FOR PILE RECORD TABLE, SEE DRAWING H3530004-35000-232-260-0004-0002.
3. USE PILE TYPE 'ADPR'.

**PERMIT TO PRACTICE
HATCH LTD.**

Signature _____

Date _____

PERMIT NUMBER: P 512

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Geologists and Geophysicists of NWT/NU

NOTES:

ALL BATTERED PILES ARE AT 40 HOR. TO 250 VERT.

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HATCH



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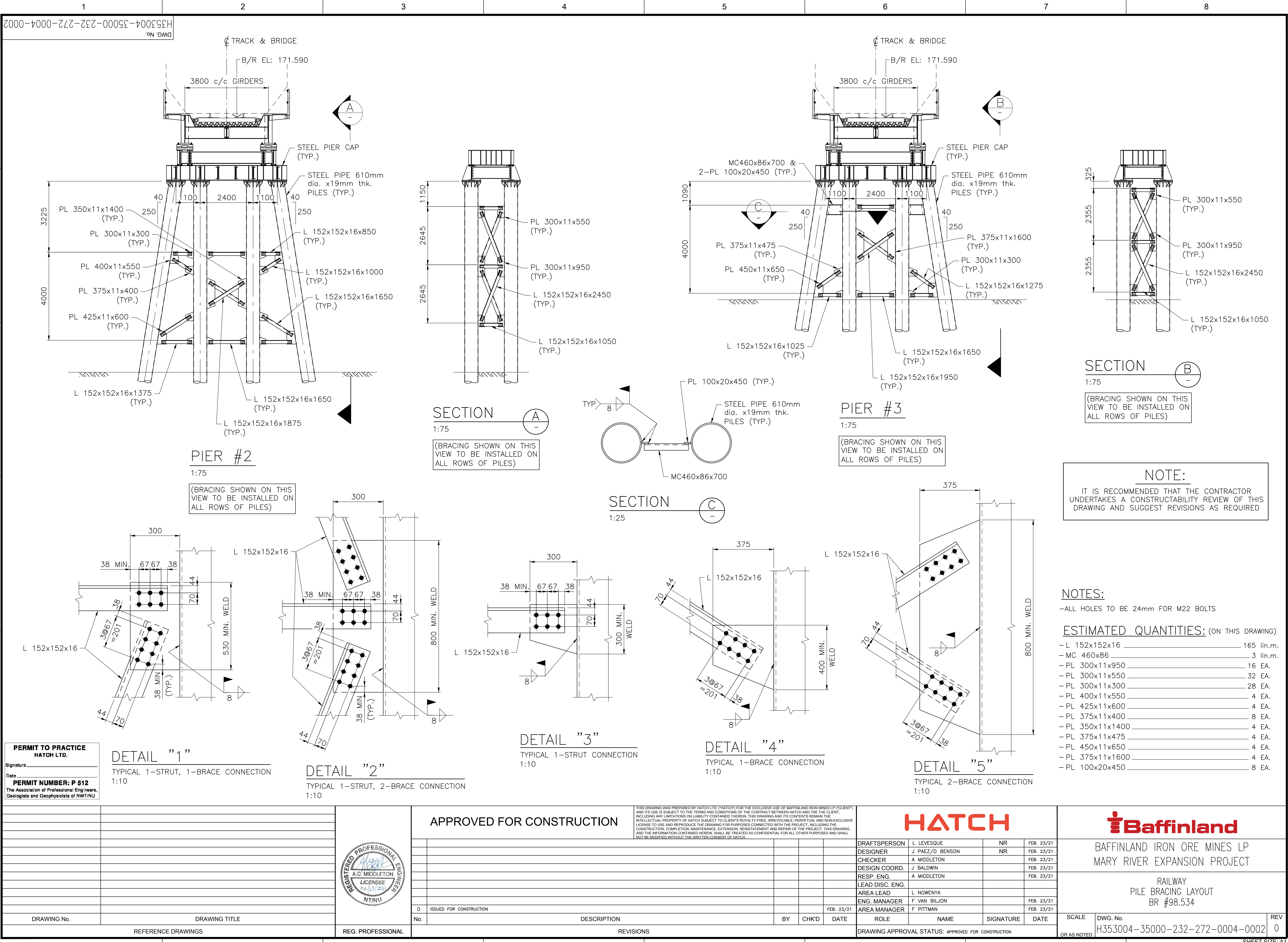
BAFFINLAND IRON ORE MINES LP
MARY RIVER EXPANSION PROJECT

RAILWAY
BR #82.340 PILE LAYOUT
DETAIL DRAWING

SCALE	DWG. No.	RE
OR AS NOTED	H353004-35000-232-260-0004-0001	2

SHEET SIZE: A1

\$USERNAMES\$	\$TIMES\$
\$DATES\$	
\$FILES\$	



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Signature _____
Date _____
PERMIT NUMBER: P 512
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DETAIL "1"
TYPICAL 1-STRUT, 1-BRACE CONNECTION
1:10

DETAIL "2"
TYPICAL 1-STRUT, 2-BRACE CONNECTION
1:10

DETAIL "3"
TYPICAL 1-STRUT CONNECTION
1:10

DETAIL "4"
TYPICAL 1-BRACE CONNECTION
1:10

DETAIL "5"
TYPICAL 2-BRACE CONNECTION
1:10

NOTE:
IT IS RECOMMENDED THAT THE CONTRACTOR UNDERTAKES A CONSTRUCTABILITY REVIEW OF THIS DRAWING AND SUGGEST REVISIONS AS REQUIRED

NOTES:
-ALL HOLES TO BE 24mm FOR M22 BOLTS

ESTIMATED QUANTITIES: (ON THIS DRAWING)

- L 152x152x16	165 lin.m.
- MC 460x86	3 lin.m.
- PL 300x11x950	16 EA.
- PL 300x11x550	32 EA.
- PL 300x11x300	28 EA.
- PL 400x11x550	4 EA.
- PL 425x11x600	4 EA.
- PL 375x11x400	8 EA.
- PL 350x11x1400	4 EA.
- PL 375x11x475	4 EA.
- PL 450x11x650	4 EA.
- PL 375x11x1600	4 EA.
- PL 100x20x450	8 EA.

APPROVED FOR CONSTRUCTION			HATCH				Baffinland		
							BAFFINLAND IRON ORE MINES LP MARY RIVER EXPANSION PROJECT		
							RAILWAY PILE BRACING LAYOUT BR #98.534		