



DRAWING FILE: O:\PROJECTS\60309010 Bayfield Marina\000-CADD\040-CADD-DIM WIP\02-Sheets\60309010-SHT-30-S-003  
DATE: 7/13/2015 1:17:48 PM

WORK COVERED ON DRAWINGS S-003 TO S-008 SHALL BE INCLUDED IN THE COSTS PROVIDED FOR SCENARIO A, SCENARIO B AND SCENARIO C.



GOVERNMENT OF CANADA  
FISHERIES AND OCEANS



GOUVERNEMENT DU CANADA  
PÊCHES ET Océans

SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION



Small Craft Harbours  
Ports pour petits bateaux  
www.sfo-mpo.gc.ca/sch-pps



London, Ontario  
519.673.0510

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NOTES:

- FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
- MAINTAIN THE STABILITY OF THE EXISTING CONCRETE DEADMAN, AT ALL TIMES. IMMEDIATELY RESTORE AND FILL EXCAVATED MATERIAL IN FRONT OF DEADMAN.
- THE PRECISE EXTENT OF THE OLD CONCRETE SLAB (BELOW THE EXISTING TOP SURFACE) IS UNKNOWN.
- EXISTING SHEET PILES :
  - FRODINGHAM BAF 2N
  - 235mm DEPTH x 483mm WIDTH x 9.7mm THICKNESS
  - APPROXIMATE LENGTH OF SHEETS = 8.5m

REVISION:		
No.	REVISIONS	DATE
1	ISS	7/13/2015

SCALE:	CLASS:
AS NOTED	

PROJECT:

SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION  
BAYFIELD, ONTARIO

NORTH AND SOUTH PIER  
REPAIRS

DESCRIPTION:

NORTH PIER  
EXISTING AND REMOVALS  
PLAN

DRAWN:	APPROVED:
T.G.	J.P.

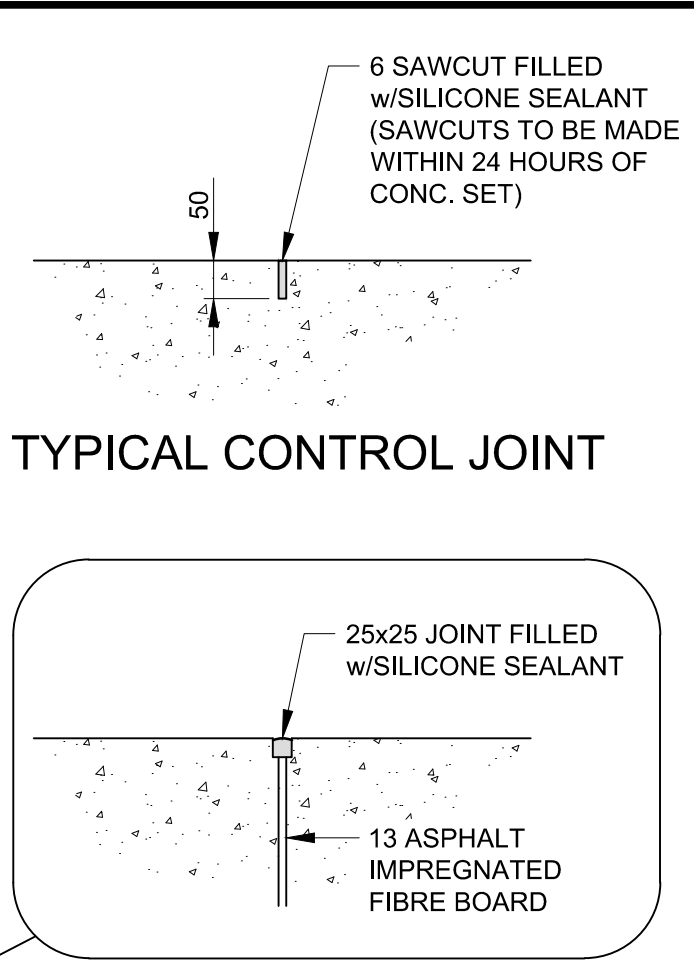
DATE:	DATE:
JULY 2015	JULY 2015

LOCATION:

BAYFIELD ONTARIO

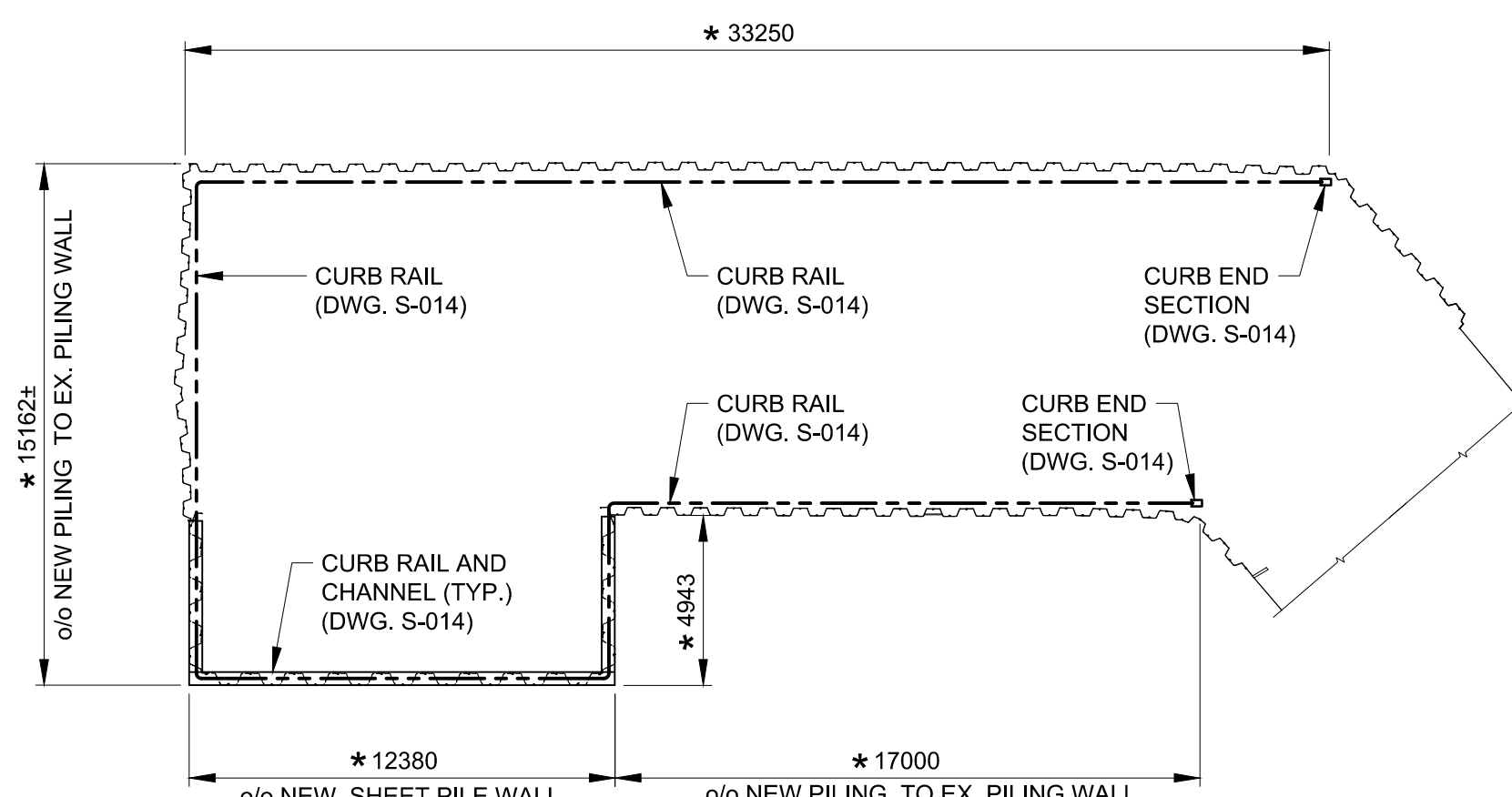
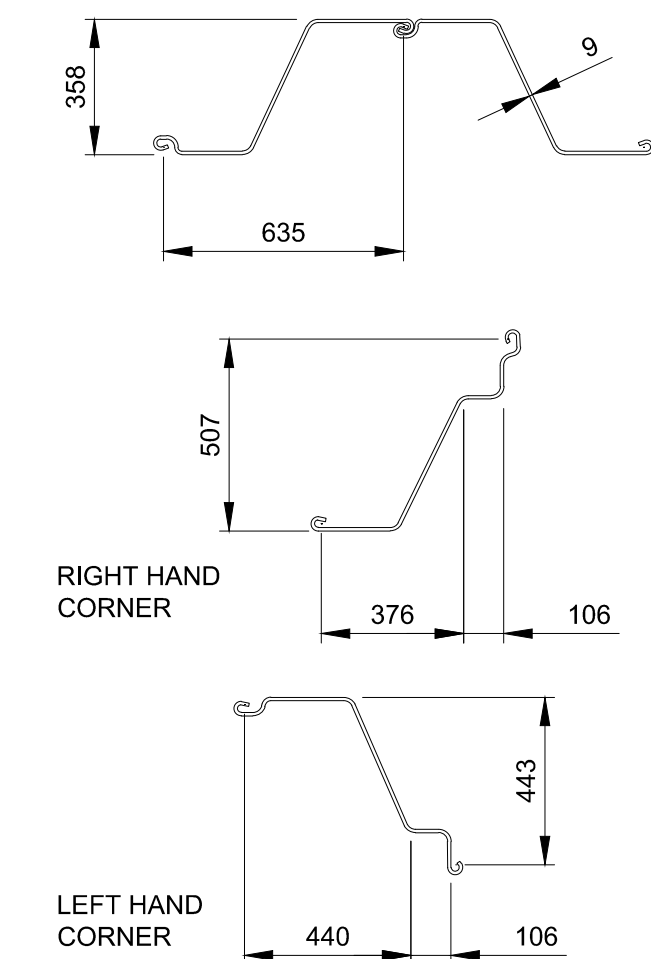
DRAWING NO.:	LOCATOR CODE:
S-003	4516





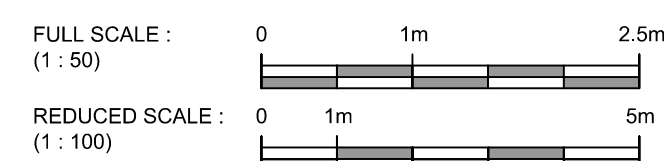
JOINT AT EXISTING CONCRETE

XZ90 OR EQUAL  
SECTION MODULUS =  $1710 \times 10^3 \text{ mm}^3/\text{r}$   
THICKNESS = 9.0 mm  
LENGTH OF SHEETING PILES = 12 m



\* FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION

1 : 200 (FULL SIZE)  
1 : 400 (REDUCED)



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## NOTES:

1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
2. TOP OF NEW CONCRETE SHALL MATCH EXISTING AT JUNCTION OF OLD/NEW CONCRETE.
3. PROVIDE SHEET PILE CAP AT NEW SHEET PILES (SEE DWG. S-014).
4. TOP OF CONCRETE SLAB SHALL HAVE A ROUGH BROOM FINISH.

[illegible]

SCALE:

AS NOTED

CLASS:
--------

PROJECT:

SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION  
BAYFIELD, ONTARIO  
NORTH AND SOUTH PIER  
REPAIRS

DESCRIPTION:

NORTH PIER  
PARTIAL PLAN AND DETAILS

DRAWN:

T.G.

APPROVED:

J.P.

DATE: \_\_\_\_\_

JULY 2015

DATE:

JULY 2015

LOCATION:

BAYFIELD ONTARIO

DRAWING NO.:

S-004

LOCATOR CODE:

4516



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## NOTES:

1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
2. TOP OF NEW CONCRETE SHALL MATCH EXISTING.
3. ALL CONNECTIONS SHALL BE WELDED.

SCALE:	CLASS:
AS NOTED	

PROJECT:

SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION  
BAYFIELD, ONTARIO  
NORTH AND SOUTH PIER  
REPAIRS

DESCRIPTION:

NORTH PIER  
DETAILS

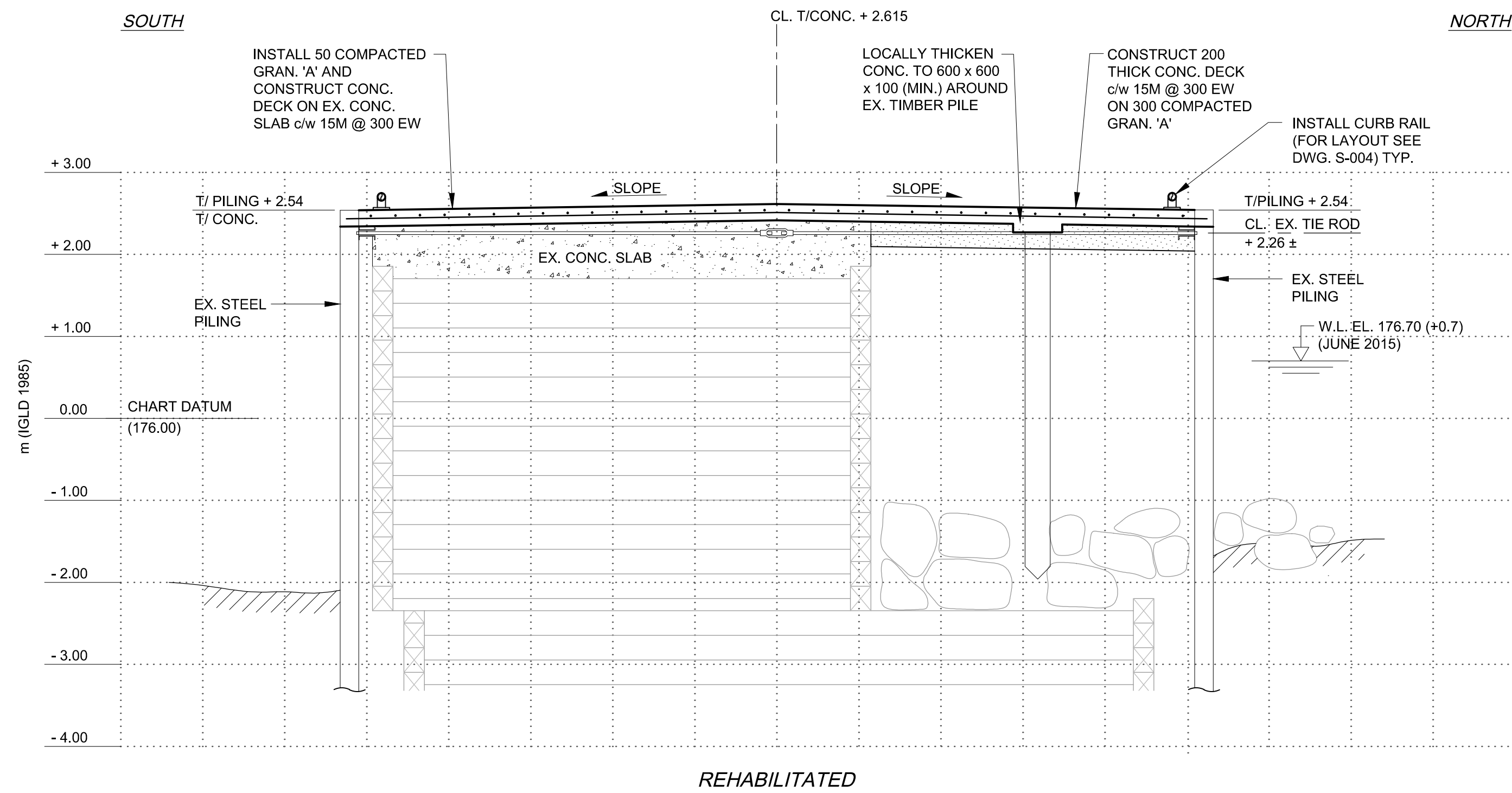
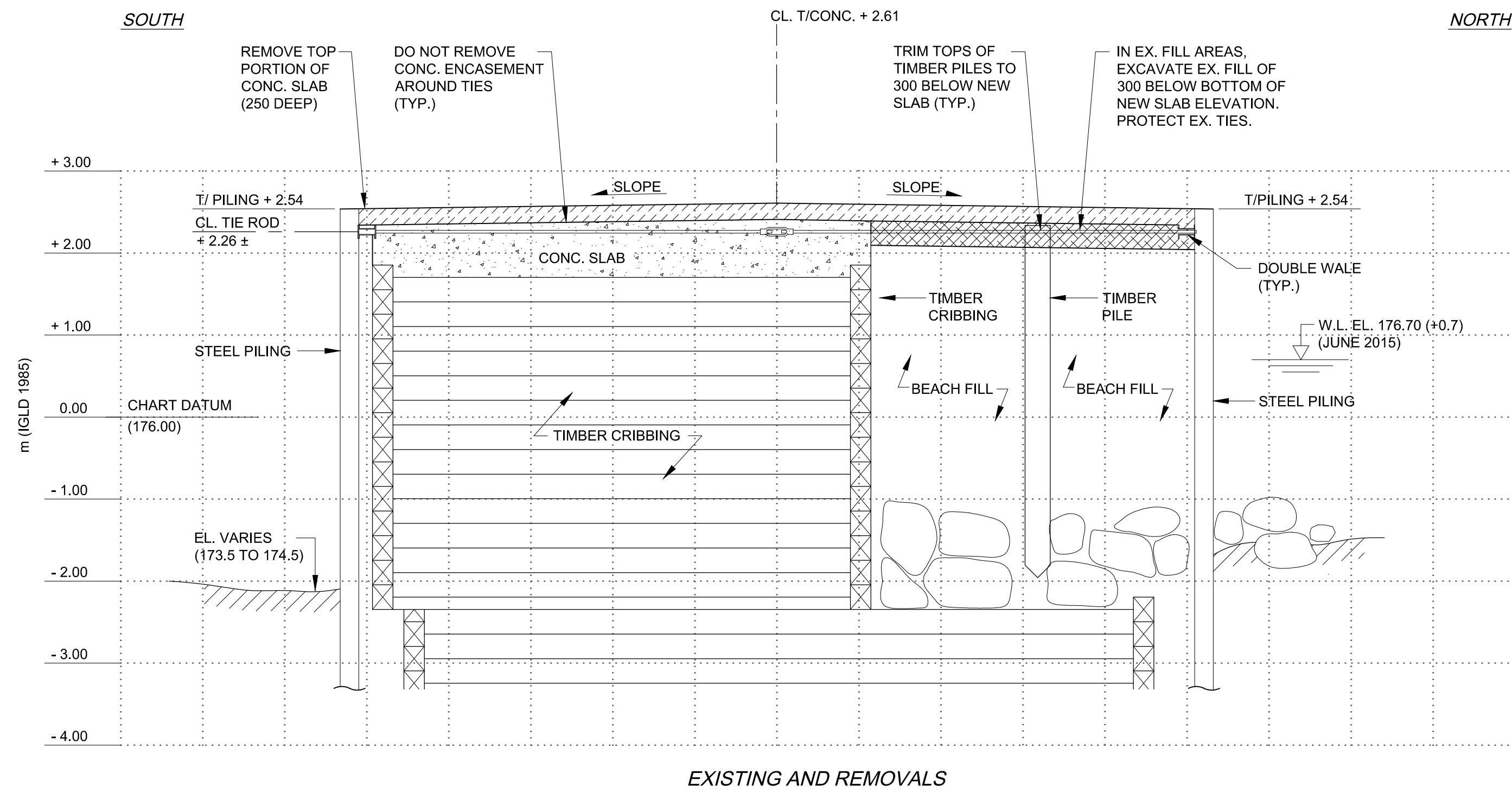
LOCATION:

BAYFIELD ONTARIO

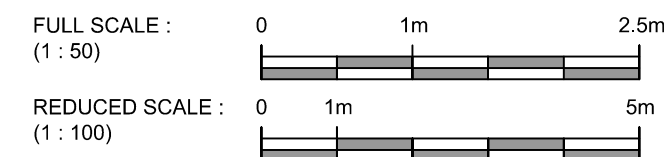
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S-005	4516




DATE: 6/29/2015 2:06:15 PM  
DRAWING FILE: O:\PROJECTS\60309010 Bayfield Marina\000-CADD-DIM-WIP\02-Sheets\S\60309010-SHT-30-S-006




**1 SECTION**  
1 : 50 (FULL SIZE)  
1 : 100 (REDUCED)  
(FOR LOCATION SEE DWG. S-003 AND S-004)






GOVERNMENT OF CANADA  
FISHERIES AND OCEANS




GOUVERNEMENT DU CANADA  
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NOTES:  
1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.  
2. DO NOT DISTURB OR DAMAGE EXISTING TIE RODS AND WALERS DURING CONCRETE REMOVALS.

REVISION:		
No.	REVISIONS	DATE
1		July 2015

SCALE:	CLASS:
AS NOTED	

PROJECT:  
SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION  
BAYFIELD, ONTARIO  
NORTH AND SOUTH PIER  
REPAIRS

DESCRIPTION:  
NORTH PIER  
SECTION 1

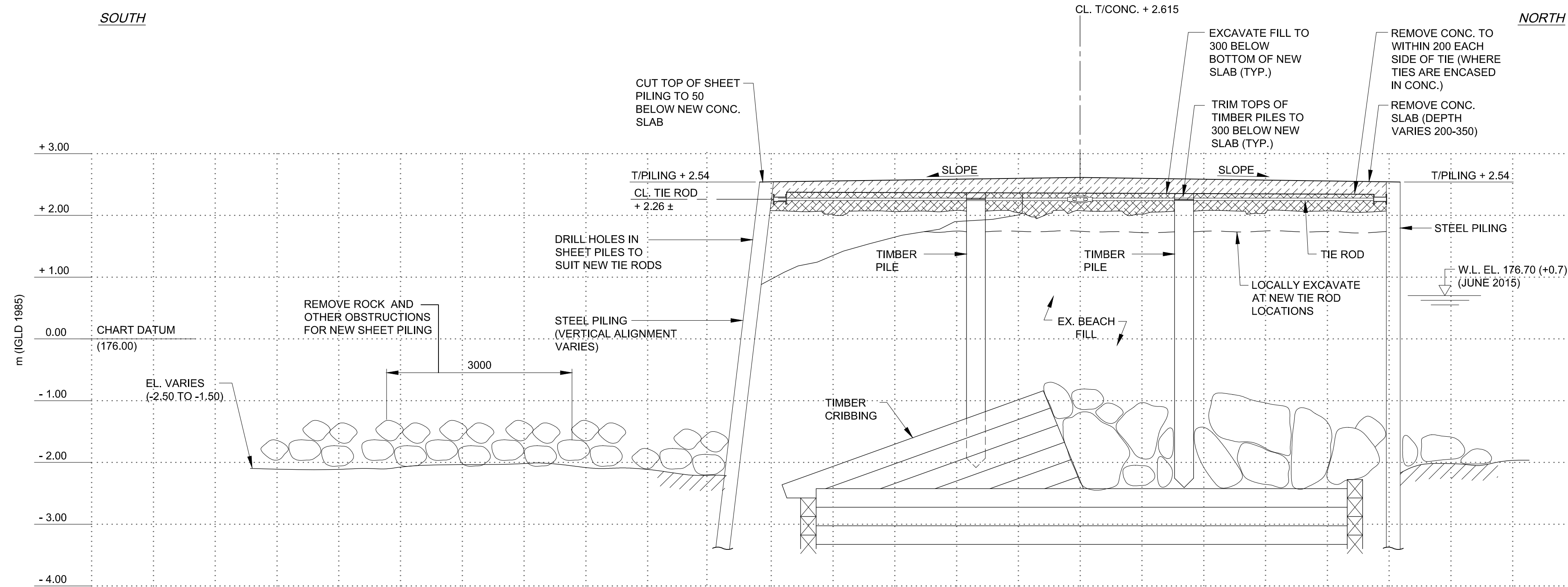
DRAWN:	APPROVED:
T.G.	J.P.

DATE:	DATE:
JULY 2015	JULY 2015

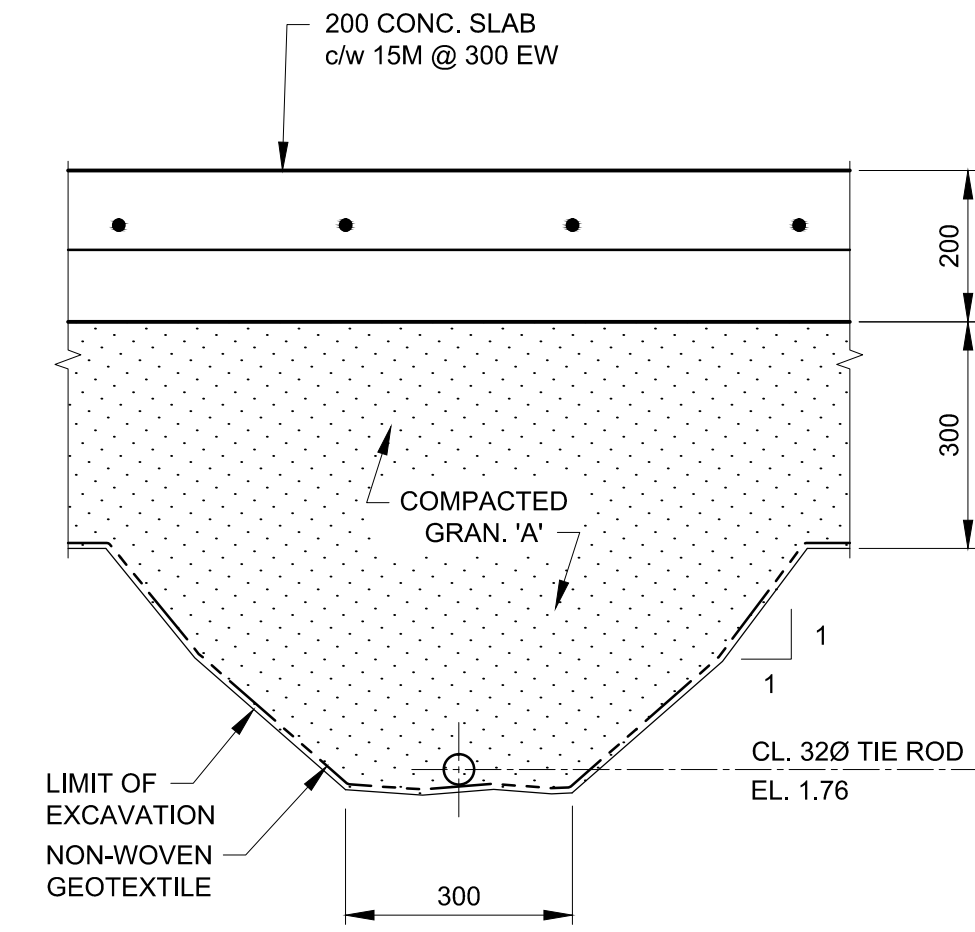
LOCATION:  
BAYFIELD ONTARIO

DRAWING NO.:	LOCATOR CODE:
S-006	4516

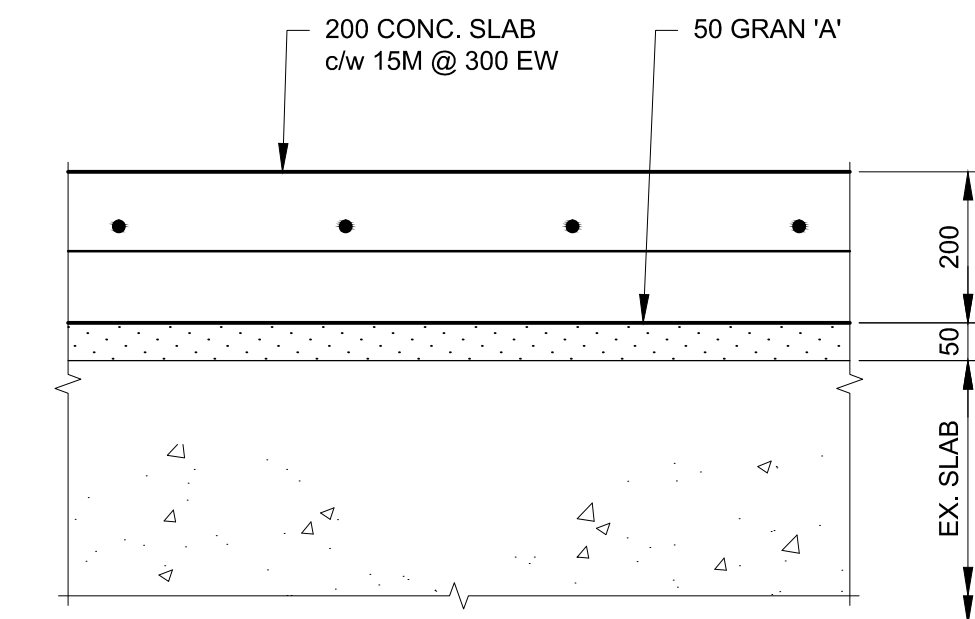
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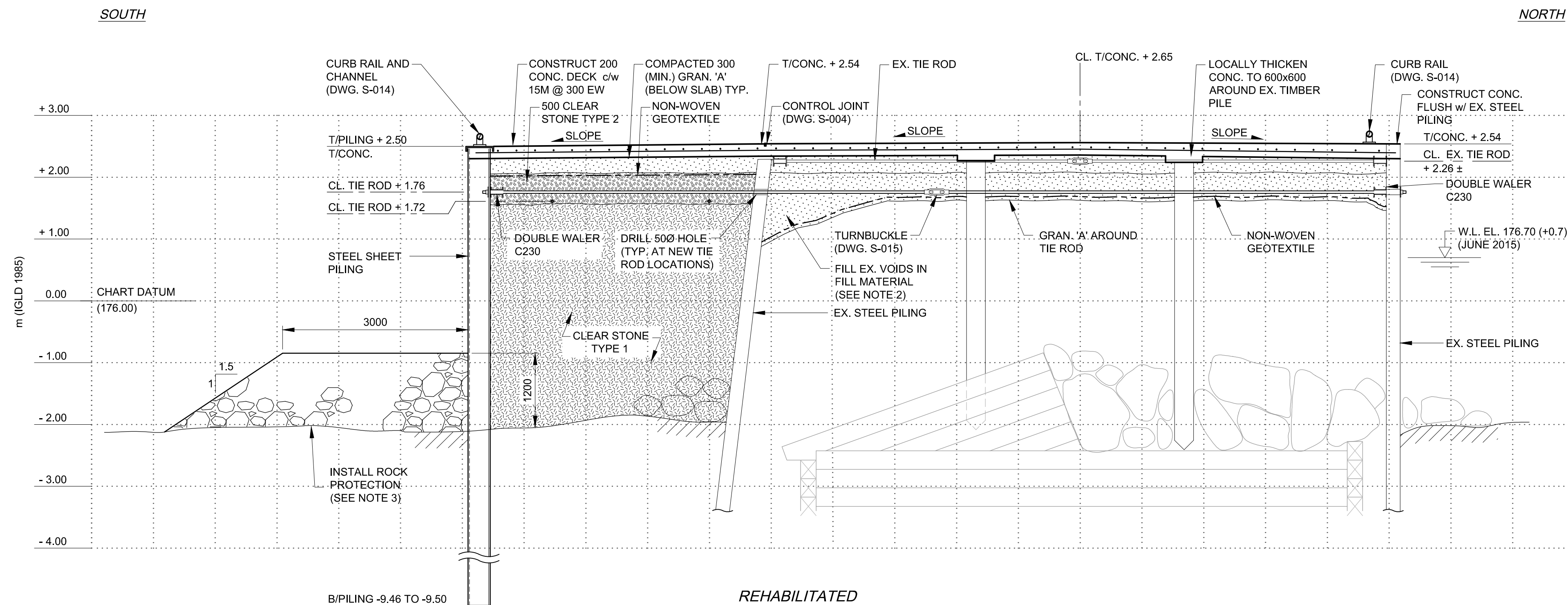
EXISTING AND REMOVALS



TYPICAL DETAIL AT EXISTING FILL LOCATIONS  
1 : 10

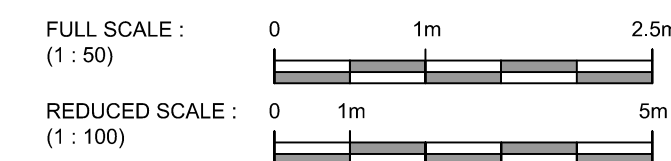


TYPICAL DETAIL AT EXISTING CONCRETE LOCATIONS  
1 : 10



REHABILITATED

**2 SECTION**  
1 : 50 (FULL SIZE)  
1 : 100 (REDUCED)  
(FOR LOCATION SEE DWG. S-003 AND S-004)



SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION



**AECOM**

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- NOTES:
- FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
  - WHERE VOIDS IN FILL MATERIALS ARE OBSERVED, UNDERTAKE THE FOLLOWING :  
- PLACE AND COMPACT GRANULAR 'A'
  - ROCK PROTECTION SHALL BE 600-850 DIAMETER, ROUGH ANGULAR STONE WITH SPECIFIC GRAVITY OF 2.50.
  - THE PRECISE EXTENT OF THE OLD SLAB (BELOW THE EXISTING TOP SURFACE) IS UNKNOWN.
  - CLEAR STONE :  
TYPE 1 - 19 - 75mm DIAMETER  
TYPE 2 - 19mm DIAMETER

REVISION:		
No.	REVISIONS	DATE
1		04/2015

SCALE:	CLASS:
AS NOTED	

PROJECT:  
**SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION  
BAYFIELD, ONTARIO  
NORTH AND SOUTH PIER  
REPAIRS**

DESCRIPTION:  
**NORTH PIER  
SECTION 2**

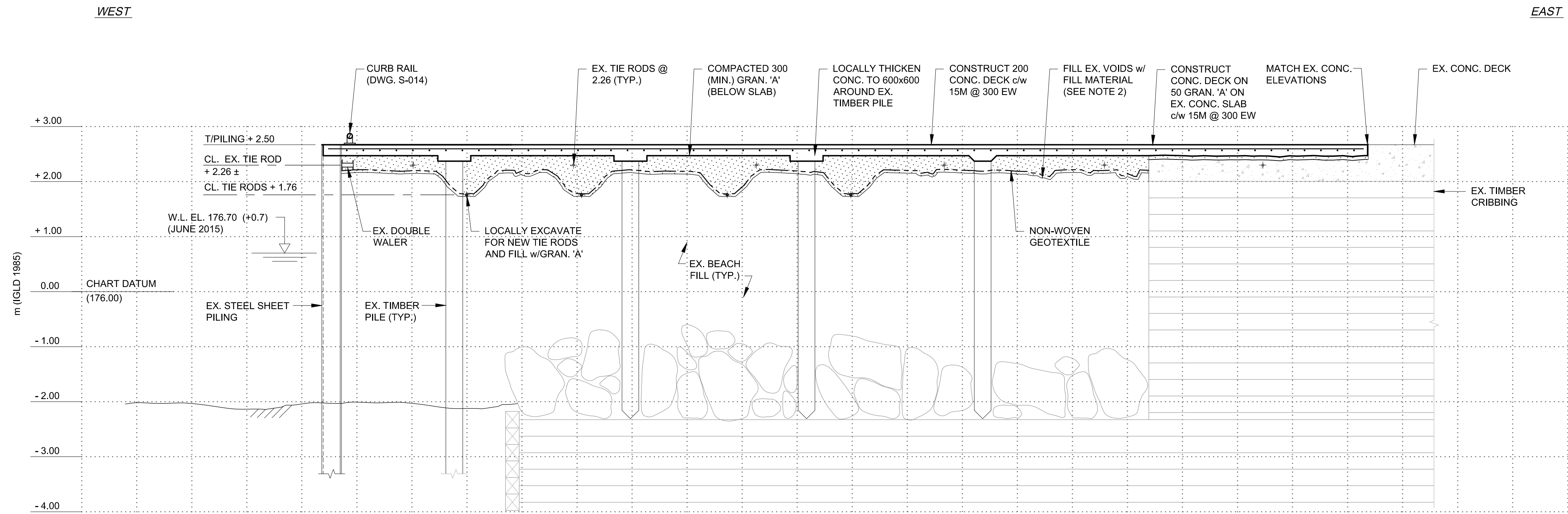
DRAWN:	APPROVED:
T.G.	J.P.
DATE:	DATE:
JULY 2015	JULY 2015

LOCATION:  
**BAYFIELD ONTARIO**

DRAWING NO.:	LOCATOR CODE:
S-007	4516



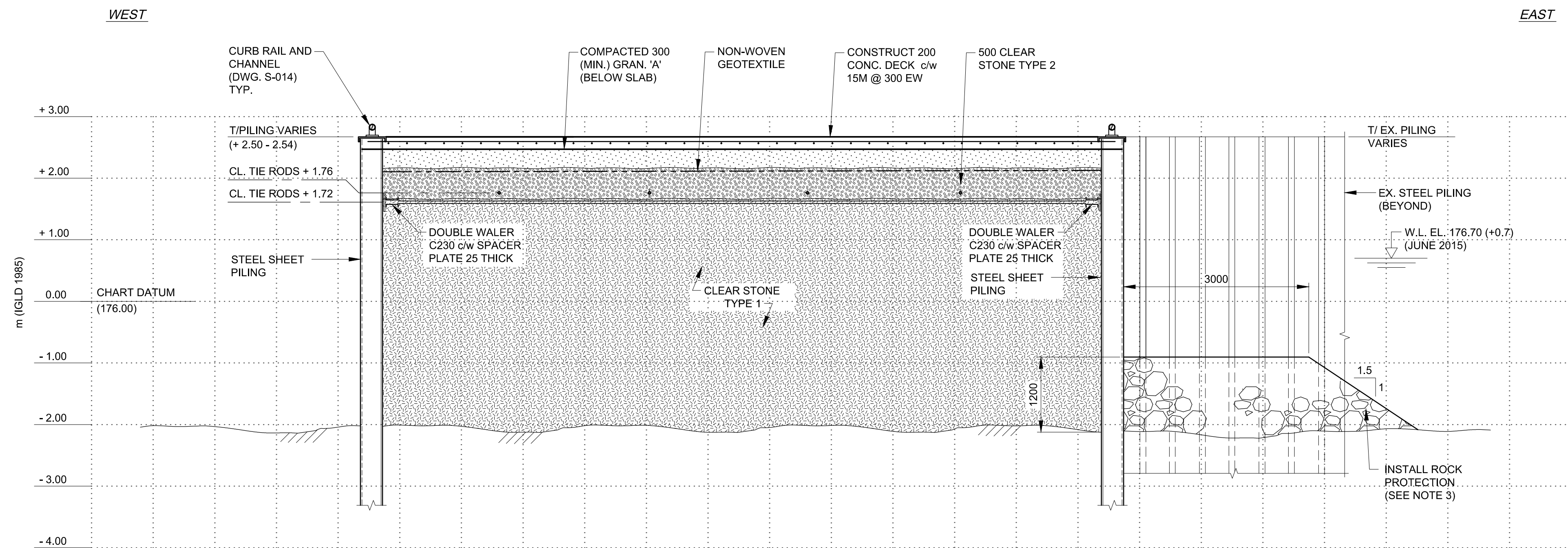
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DATE: 7/14/2015 11:09:32 AM



REHABILITATED

3 SECTION

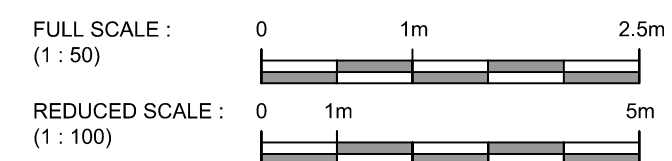
1: 50 (FULL SIZE)  
1: 100 (REDUCED)  
(FOR LOCATION SEE DWG. S-003 AND S-004)



REHABILITATED

4 SECTION

1: 50 (FULL SIZE)  
1: 100 (REDUCED)  
(FOR LOCATION SEE DWG. S-004)



SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION



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- NOTES:
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  - WHERE VOIDS IN FILL MATERIALS ARE OBSERVED, UNDERTAKE THE FOLLOWING:
    - PLACE AND COMPACT GRANULAR 'A'
  - ROCK PROTECTION SHALL BE 600-850 DIAMETER, ROUGH ANGULAR STONE WITH SPECIFIC GRAVITY OF 2.50.
  - FOR CLEAR STONE TYPES SEE NOTE 5 DRAWING S-007.

REVISION:		
No.	REVISIONS	DATE
1		July 2015

SCALE:	CLASS:
AS NOTED	

PROJECT:

SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION  
BAYFIELD, ONTARIO

NORTH AND SOUTH PIER  
REPAIRS

DESCRIPTION:

NORTH PIER  
SECTIONS 3 AND 4

DRAWN:	APPROVED:
T.G.	J.P.
DATE:	DATE:
JULY 2015	JULY 2015

LOCATION:

BAYFIELD ONTARIO

DRAWING NO.:	LOCATOR CODE:
S-008	4516