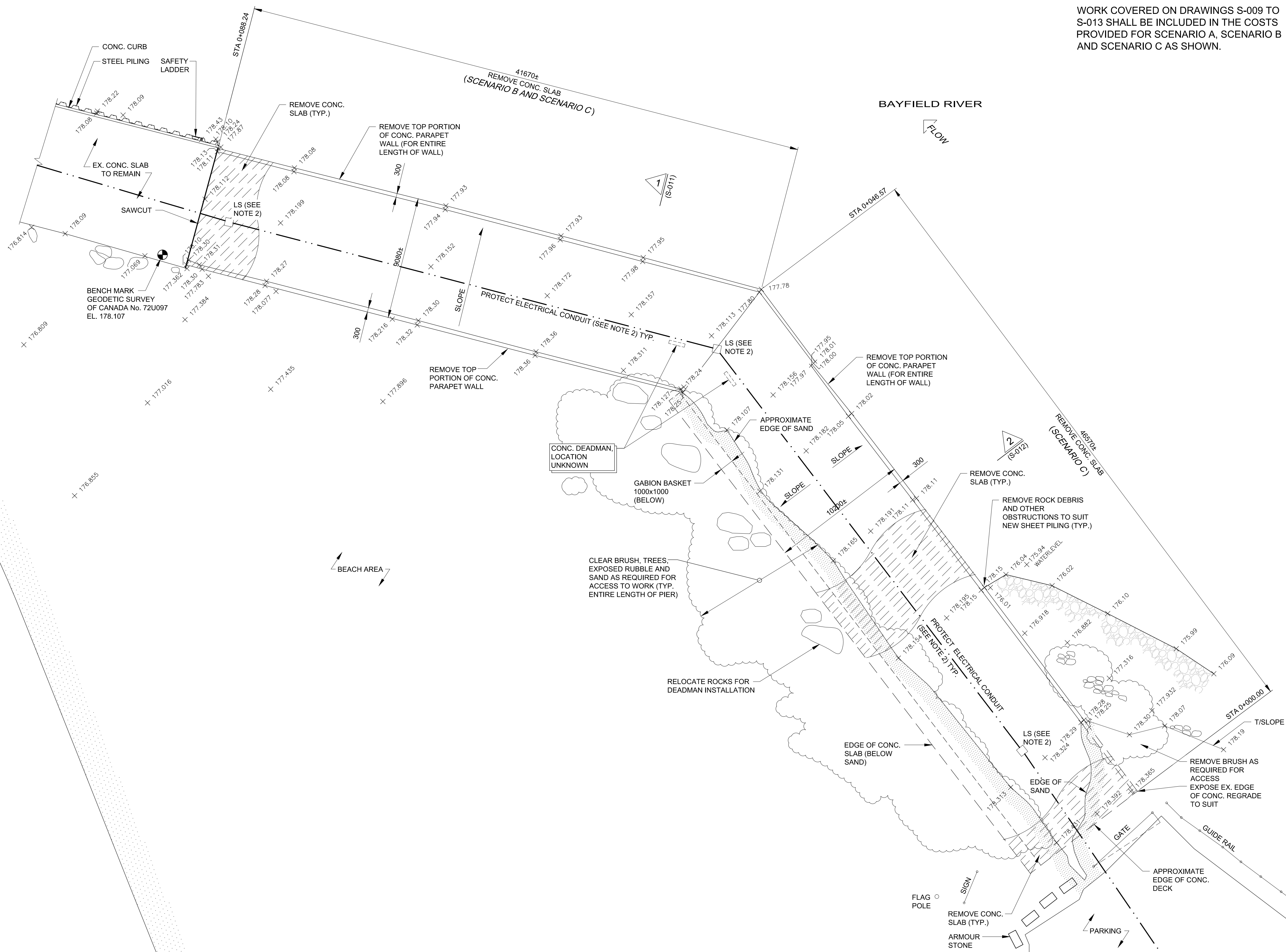
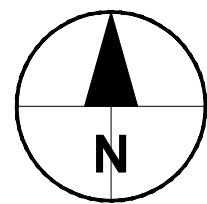



DRAWING FILE: O:\PROJECTS\60309010 Bayfield Marina\000-CADD\040-CADD-WIP\02-Sheets\60309010-SHT-30-S-009 DATE: 7/14/2015 11:10:56 AM




PARTIAL PLAN SOUTH PIER
1 : 150 (FULL SIZE)
1 : 300 (REDUCED)

WORK COVERED ON DRAWINGS S-009 TO S-013 SHALL BE INCLUDED IN THE COSTS PROVIDED FOR SCENARIO A, SCENARIO B AND SCENARIO C AS SHOWN.



GOVERNMENT OF CANADA
FISHERIES AND OCEANS



GOUVERNEMENT DU CANADA
PÊCHES ET OcéANS

SMALL CRAFT HARBOURS
CENTRAL AND ARCTIC REGION



AECOM

London, Ontario
519.673.0510

THIS DRAWING HAS BEEN PREPARED FOR USE OF AECOM'S CLIENT AND MAY NOT BE USED, REPRODUCED OR RELIED UPON BY THIRD PARTIES, EXCEPT AS AGREED BY AECOM AND ITS CLIENT, AS REQUIRED BY LAW OR FOR USE BY GOVERNMENTAL REVIEWING AGENCIES. AECOM ACCEPTS NO RESPONSIBILITY, AND DENIES ANY LIABILITY WHATSOEVER, TO ANY PARTY THAT MODIFIES THIS DRAWING WITHOUT AECOM'S EXPRESS WRITTEN CONSENT. DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

- NOTES:
- FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
 - TEMPORARILY DE-ENERGIZE LIGHT POLES AND CAREFULLY REMOVE CONCRETE AROUND EXISTING LIGHT POLE BASES. ACTUAL LOCATIONS OF ELECTRICAL CONDUIT IS UNKNOWN. PROTECT, SUPPORT AND RETAIN CONDUITS.

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

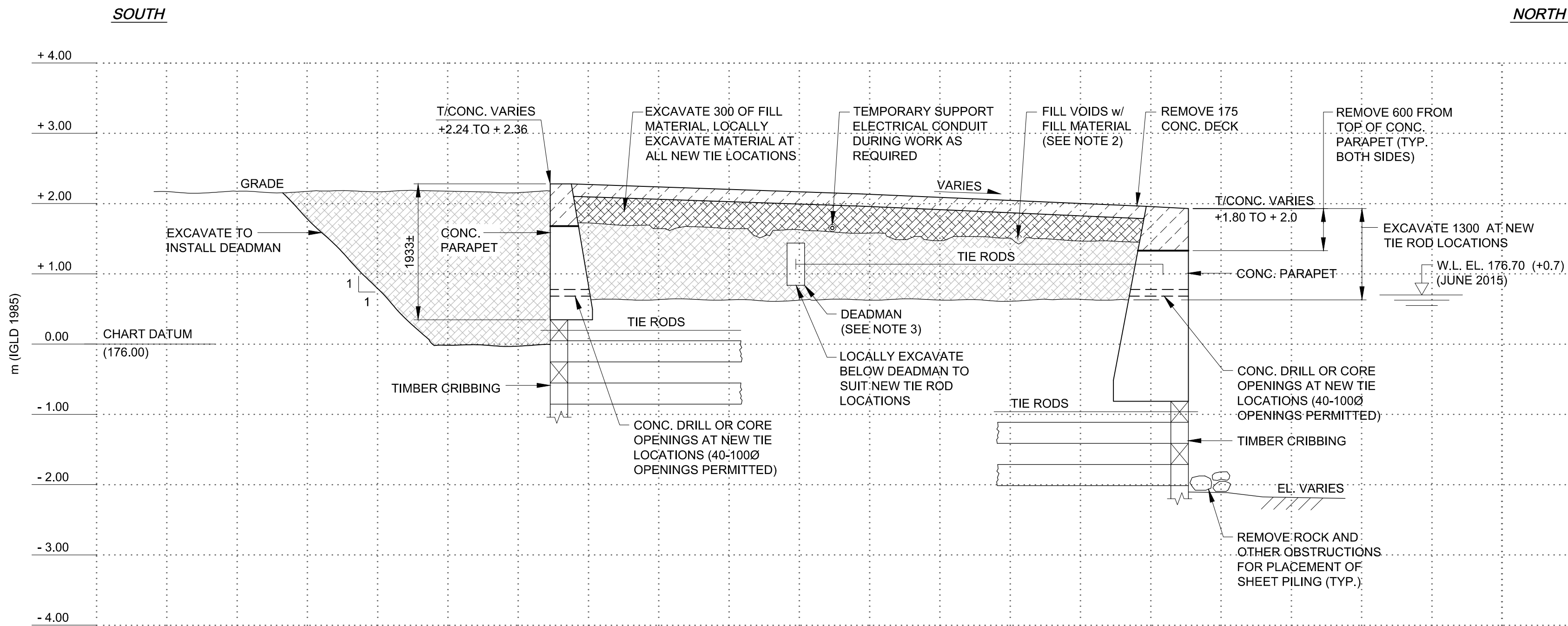
DESCRIPTION:
SOUTH PIER
EXISTING AND REMOVALS
PLAN

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

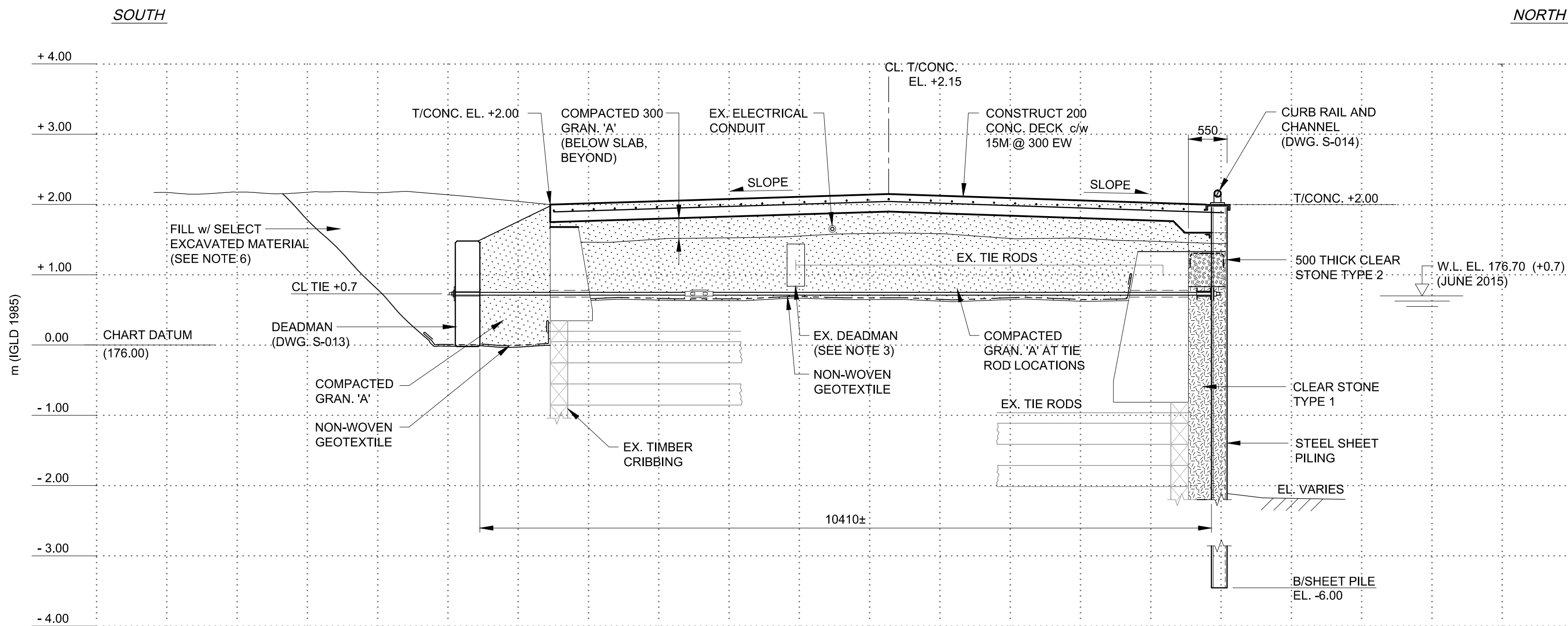
LOCATION:
BAYFIELD ONTARIO

DRAWING NO.: S-009	LOCATOR CODE: 4516
-----------------------	-----------------------

DRAWING FILE: C:\PROJECTS\60309010 Bayfield Marina\000-CADD\040-CADD-DWG-WIP\02-Sheets\S\60309010-SHT-30-S-011
DATE: 7/14/2015 11:32:19 AM



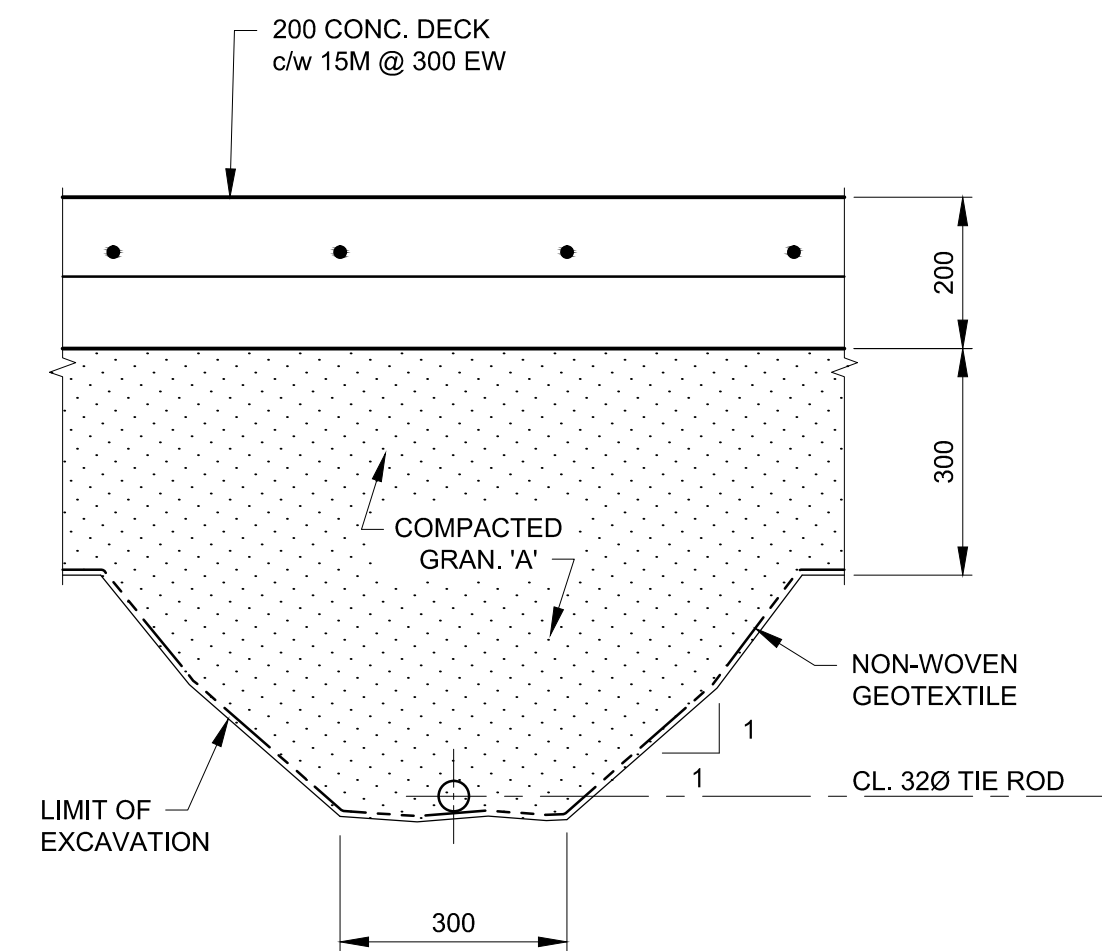
EXISTING AND REMOVALS
(TYPICAL FOR STA. 0+046.57 TO STA. 0+088.24)



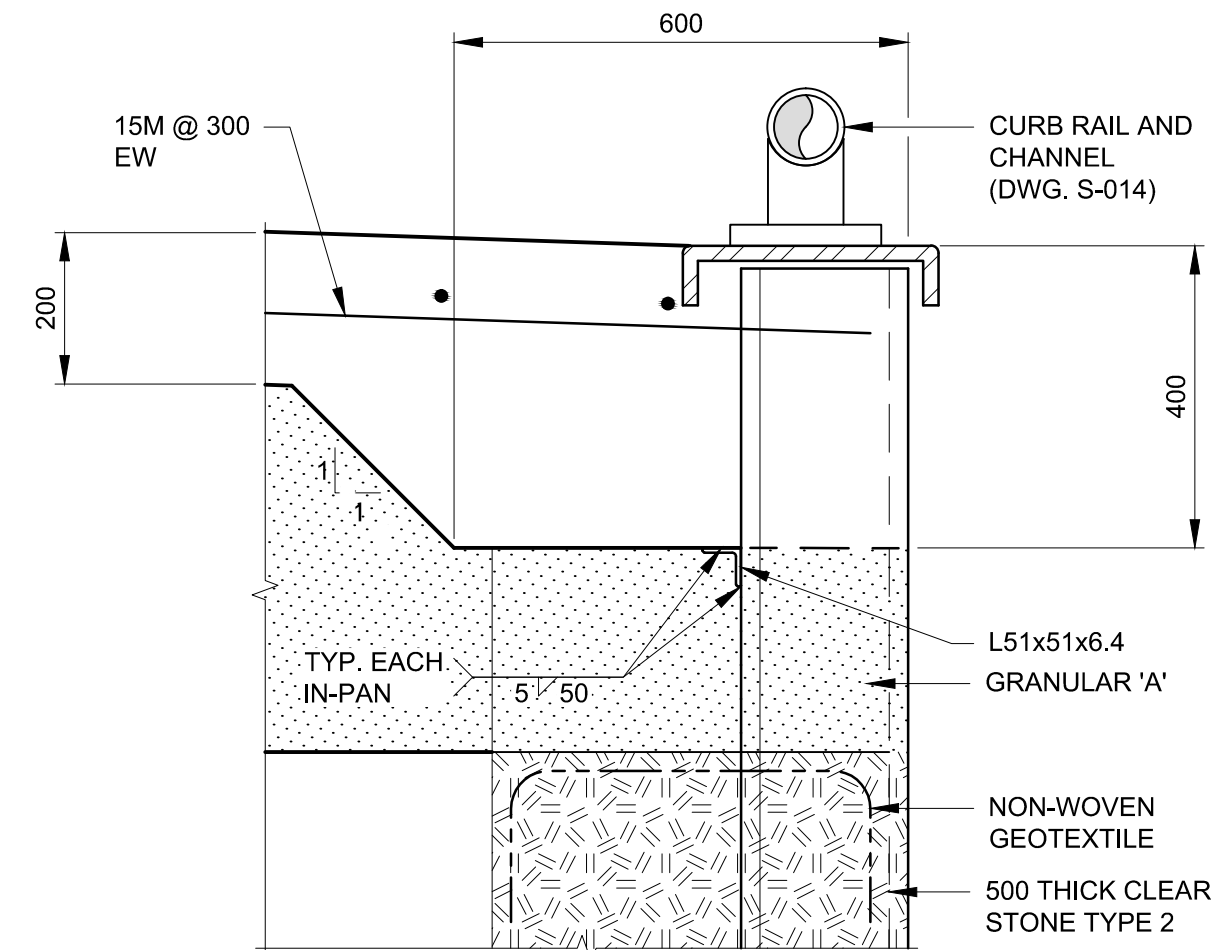
REHABILITATED
(TYPICAL FOR STA. 0+046.57 TO STA. 0+088.24)

1

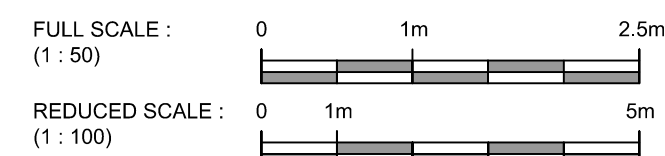
1 : 50 (FULL SIZE)
1 : 100 (REDUCED)
(FOR LOCATION SEE DWG. S-009 AND S-010)



TYPICAL DETAIL AT EXISTING FILL LOCATIONS
1 : 10



SHEET PILING TO CONCRETE ANGLE CONNECTION
1 : 10



**SMALL CRAFT HARBOURS
CENTRAL AND ARCTIC REGION**



AECOM

London, Ontario
519.673.0510

THIS DRAWING HAS BEEN PREPARED FOR USE OF AECOM'S CLIENT AND MAY NOT BE USED, REPRODUCED OR RELIED UPON BY THIRD PARTIES, EXCEPT AS AGREED BY AECOM AND ITS CLIENT, AS REQUIRED BY LAW OR FOR USE BY GOVERNMENTAL REVIEWING AGENCIES. AECOM ACCEPTS NO RESPONSIBILITY, AND DENIES ANY LIABILITY WHATSOEVER, TO ANY PARTY THAT MODIFIES THIS DRAWING WITHOUT AECOM'S EXPRESS WRITTEN CONSENT. DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

- 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'
 - WHERE EXISTING DEADMAN CONFLICTS WITH NEW TIE LOCATION, PARTIALLY REMOVE CONCRETE.
 - TOP OF SLAB SHALL HAVE A ROUGH BROOM FINISH.
 - CLEAR STONE :
TYPE 1 - 19-75mm DIAMETER
TYPE 2 - 19mm DIAMETER
 - SELECT FILL SHALL BE EXISTING EXCAVATED MATERIAL (SAND AND GRANULAR) WITHOUT ORGANIC MATERIALS.

REVISION:		
No.	REVISIONS	DATE
1	ISS	July 2015

SCALE:	CLASS:
AS NOTED	

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

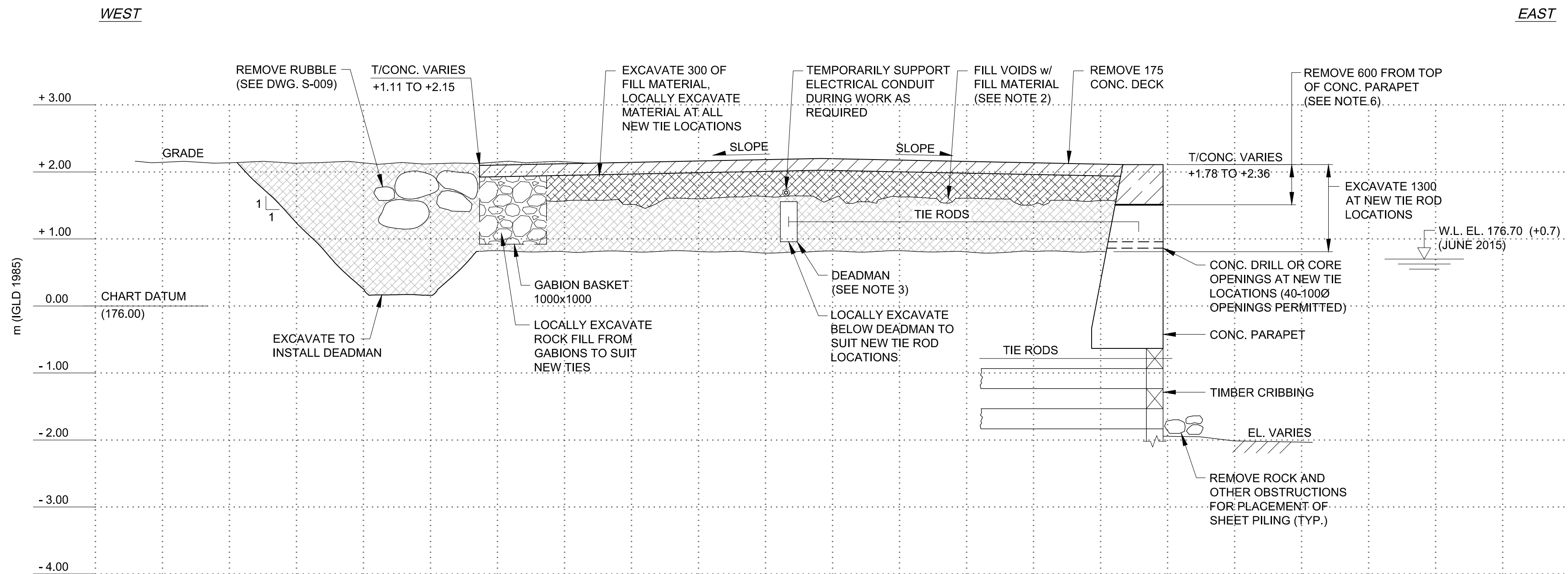
DESCRIPTION:
**SOUTH PIER
SECTION 1**

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

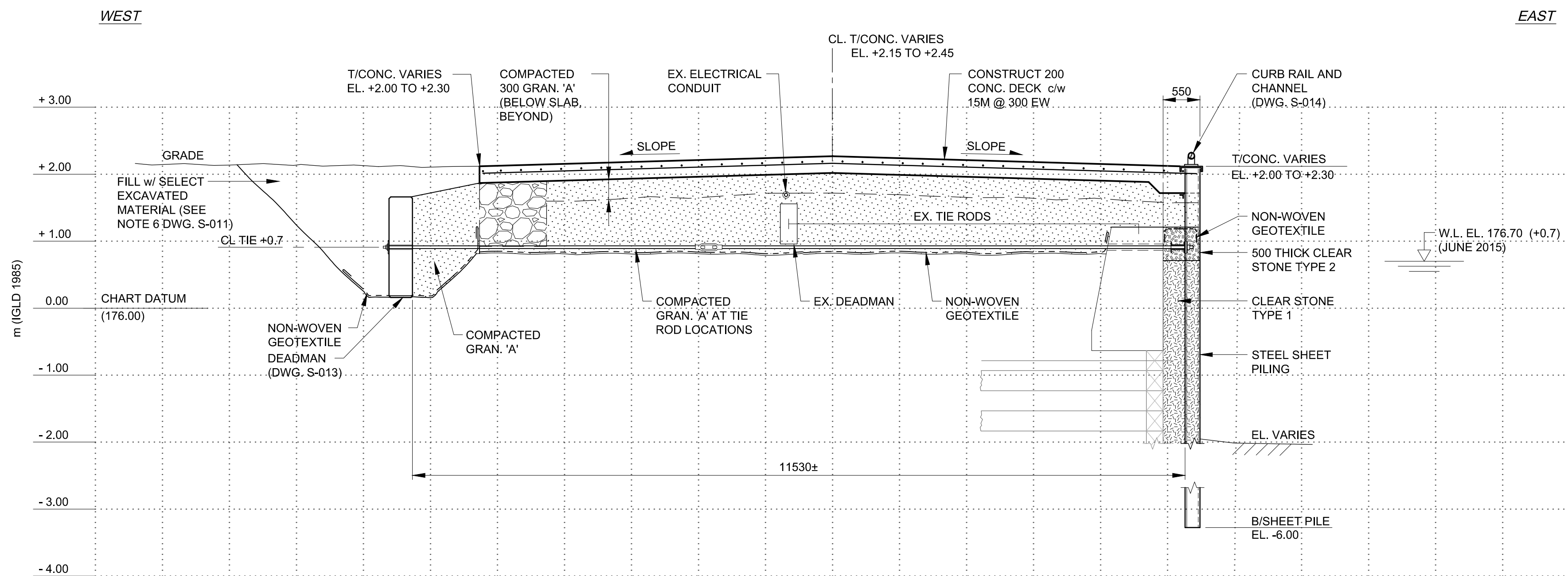
LOCATION:
BAYFIELD ONTARIO

DRAWING NO.:	LOCATOR CODE:
S-011	4516

DRAWING FILE: O:\PROJECTS\60309010 Bayfield Marina\000-CADD-DIM-WIP\02-Sheets\S\60309010-SHT-30-S-012
DATE: 7/14/2015 11:33:43 AM



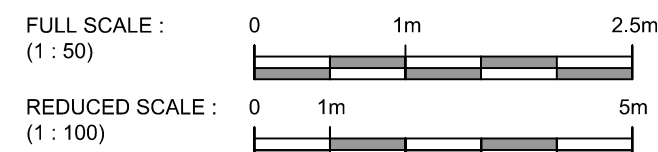
EXISTING AND REMOVALS
(TYPICAL FOR STA. 0+000.00 TO STA. 0+046.57)



REHABILITATED
(TYPICAL FOR STA. 0+000.00 TO STA. 0+046.57)

2

1 : 50 (FULL SIZE)
1 : 100 (REDUCED)
(FOR LOCATION SEE DWG. S-009 AND S-010)



SMALL CRAFT HARBOURS
CENTRAL AND ARCTIC REGION



AECOM

London, Ontario
519.673.0510

THIS DRAWING HAS BEEN PREPARED FOR USE OF AECOM'S CLIENT AND MAY NOT BE USED, REPRODUCED OR RELIED UPON BY THIRD PARTIES, EXCEPT AS AGREED BY AECOM AND ITS CLIENT, AS REQUIRED BY LAW OR FOR USE BY GOVERNMENTAL REVIEWING AGENCIES. AECOM ACCEPTS NO RESPONSIBILITY, AND DENIES ANY LIABILITY WHATSOEVER, TO ANY PARTY THAT MODIFIES THIS DRAWING WITHOUT AECOM'S EXPRESS WRITTEN CONSENT. DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

- NOTES:
1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
 2. WHERE VOIDS IN FILL MATERIALS ARE OBSERVED, UNDERTAKE THE FOLLOWING :
- PLACE AND COMPACT GRANULAR 'A'
 3. WHERE EXISTING DEADMAN CONFLICTS WITH NEW TIE LOCATION, PARTIALLY REMOVE CONCRETE.
 4. TOP OF SLAB SHALL HAVE A ROUGH BROOM FINISH.
 5. FOR CLEAR STONE AND SELECT MATERIAL NOTES SEE DRAWING S-011.
 6. REMOVE ADDITIONAL CONCRETE ON PARAPET WALL AS REQUIRED, TO EXTEND THE 300mm GRANULAR BASE TO THE SHEET PILE WALL.

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

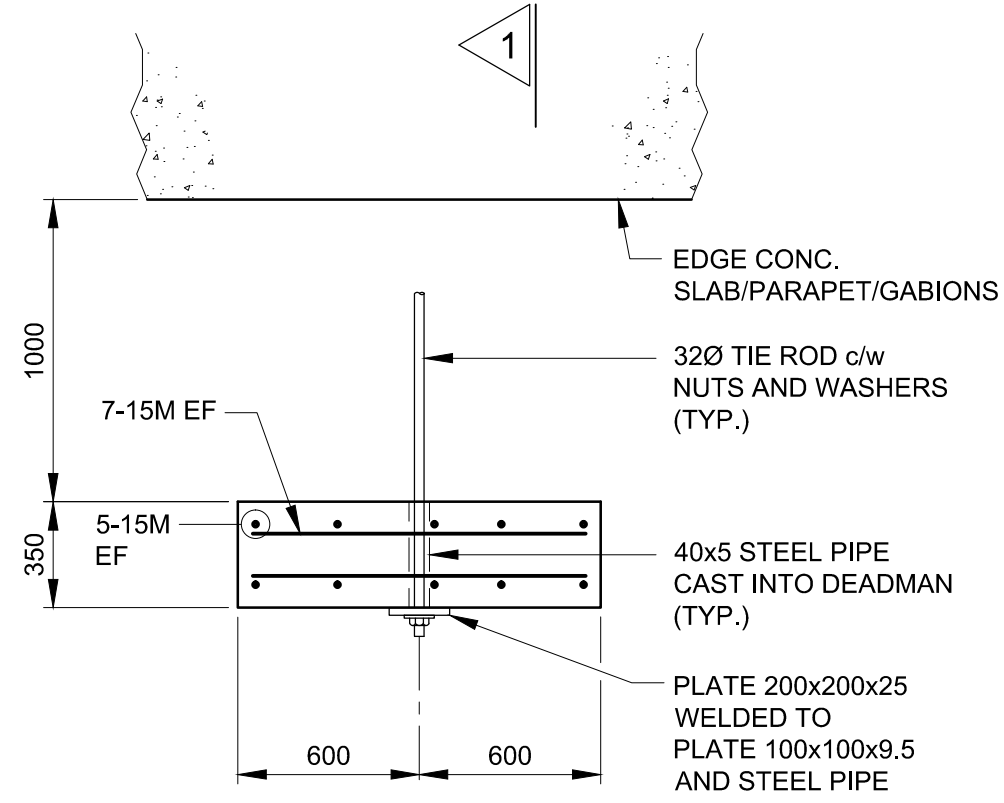
DESCRIPTION:
SOUTH PIER
SECTION 2

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

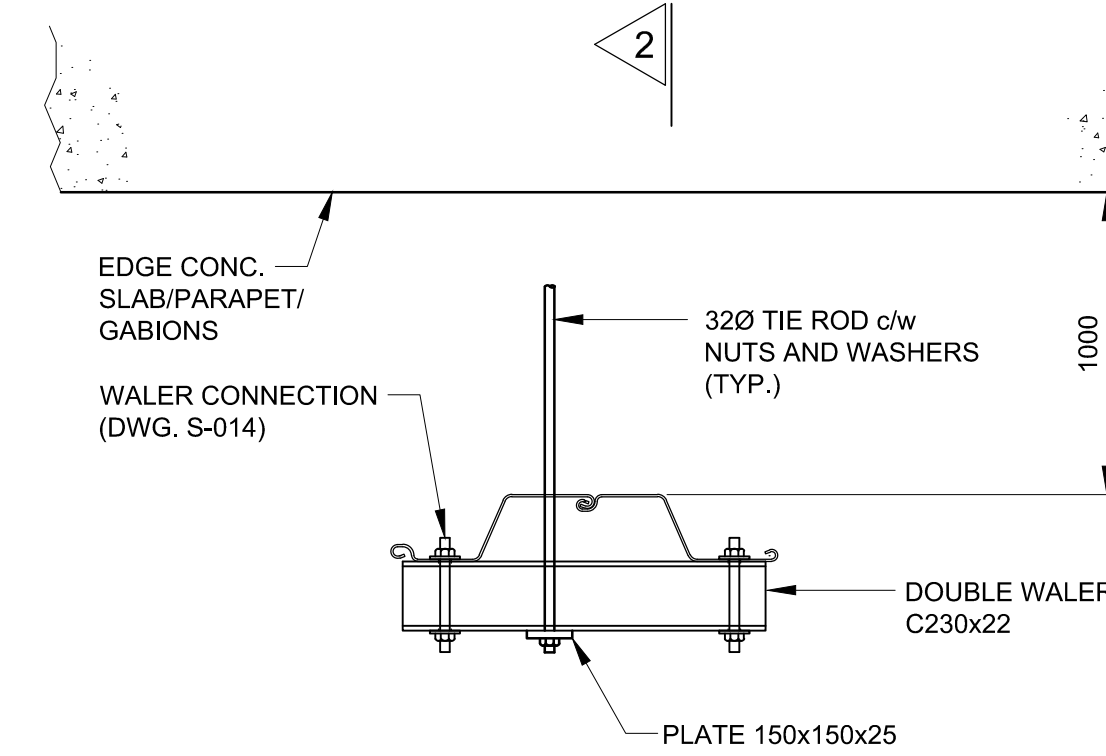
LOCATION:
BAYFIELD ONTARIO

DRAWING NO.:	LOCATOR CODE:
S-012	4516

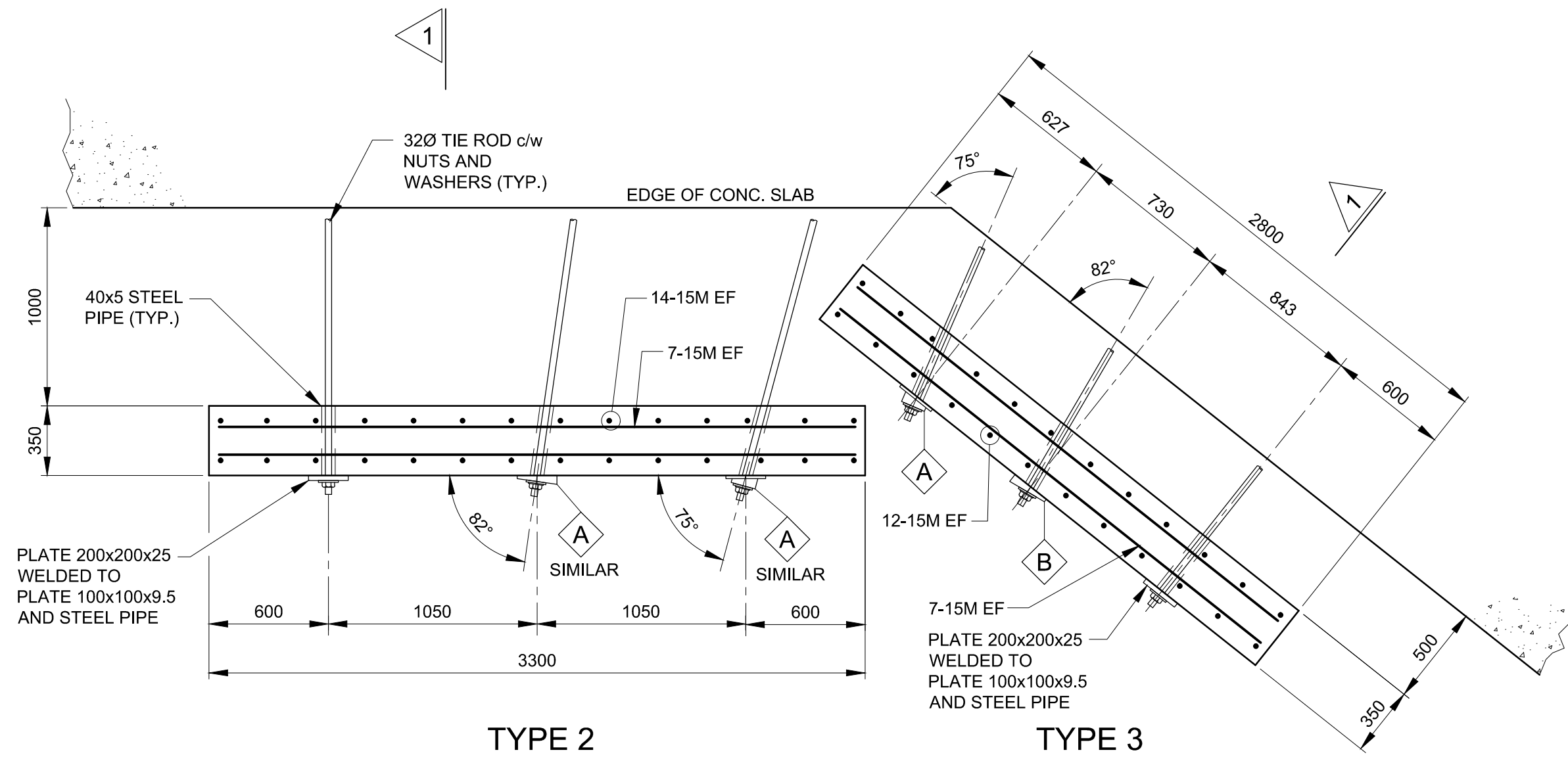
DRAWING FILE: O:\PROJECTS\60309010 Bayfield Marina\000-CADD-DIM-WIP\02-Sheets\60309010-SHT-30-S-013
DATE: 7/14/2015 11:35:21 AM



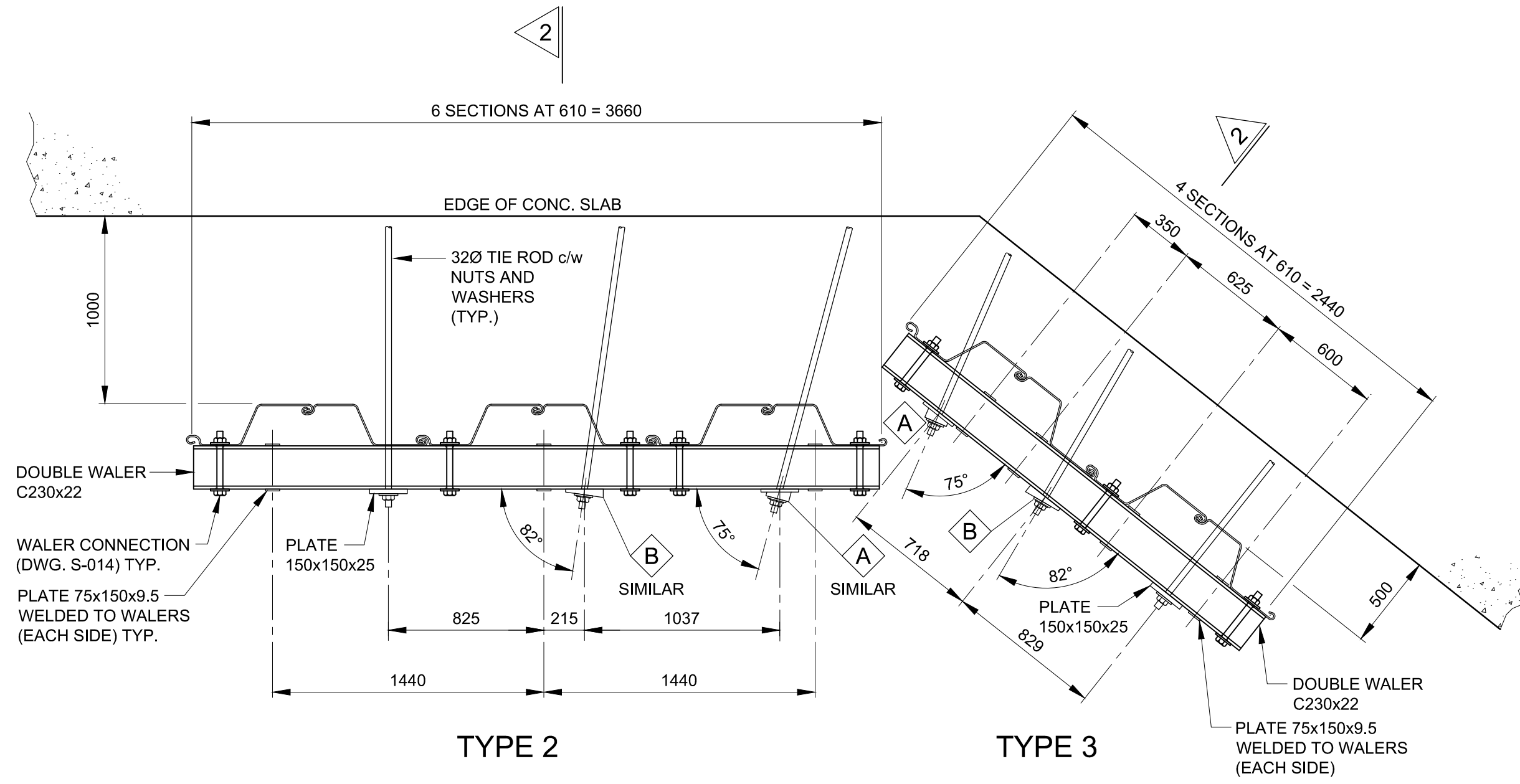
CONCRETE DEADMAN PLAN - TYPE 1
1 : 25



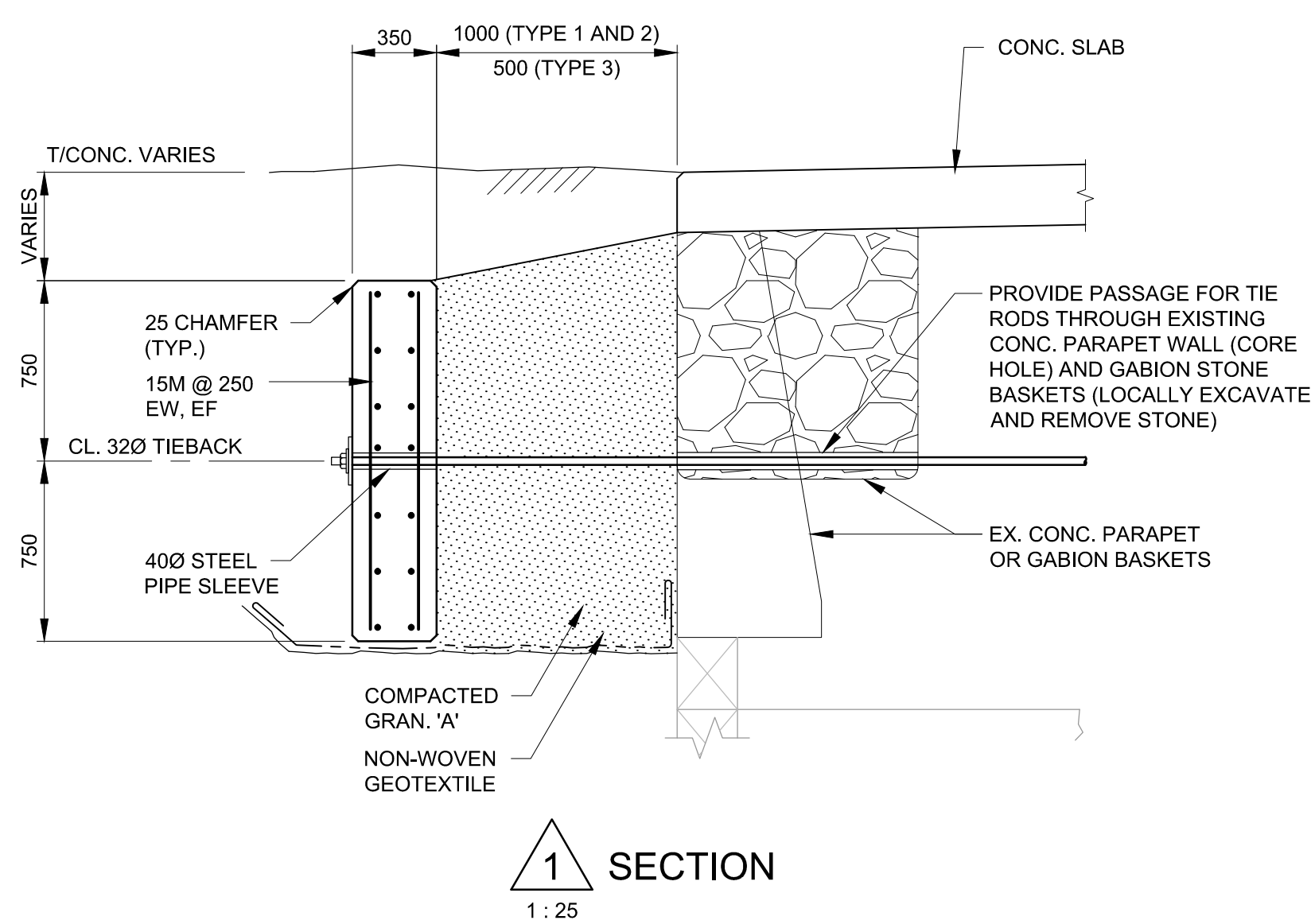
SHEET PILE DEADMAN PLAN -TYPE 1
1 : 25



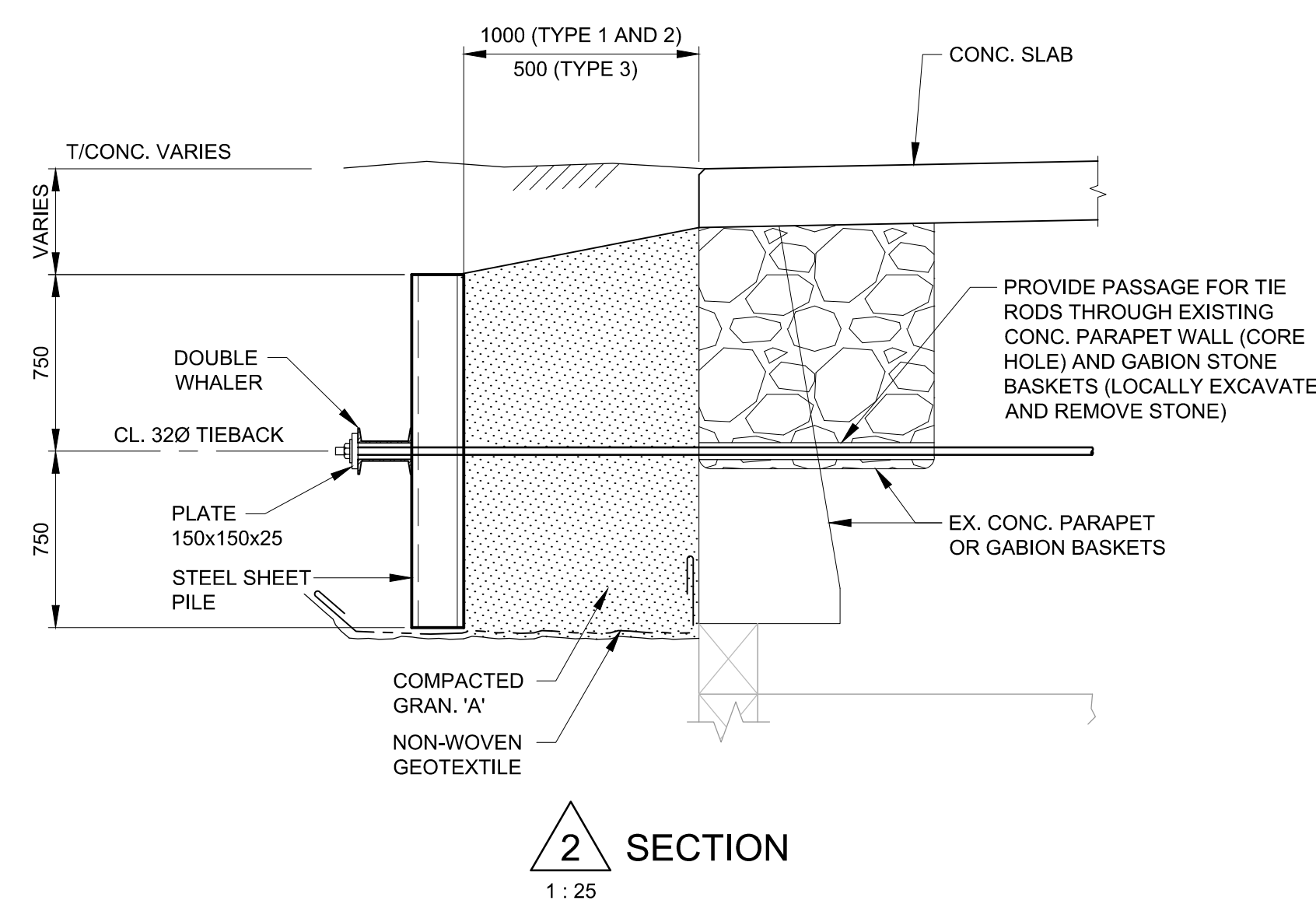
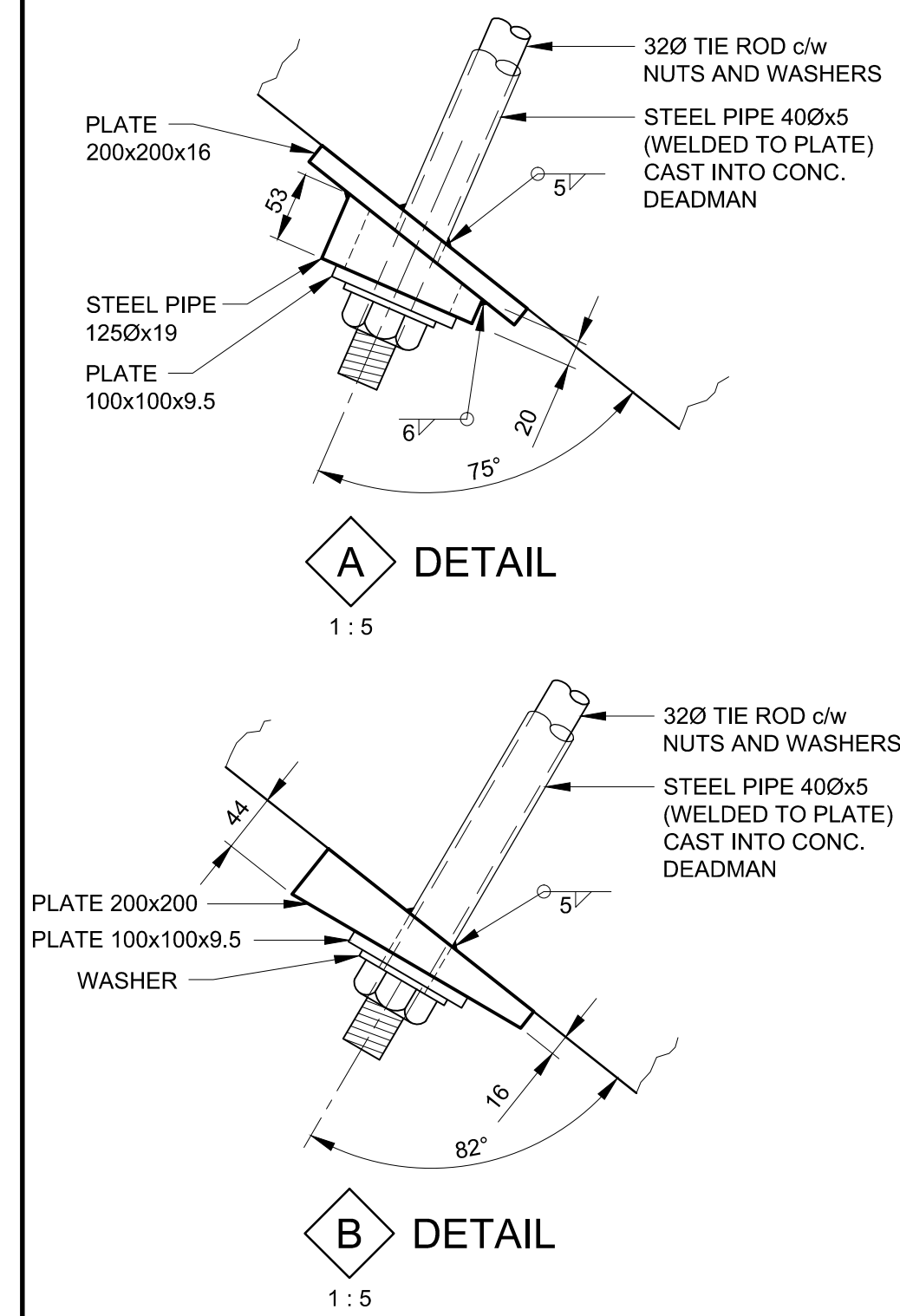
CONCRETE DEADMAN PLAN TYPE 2 AND 3
1 : 25



SHEET PILE DEADMAN PLAN TYPE 2 AND 3
1 : 25



CONCRETE DEADMAN
(FOR LOCATION SEE DWG. S-010)



SHEET PILE DEADMAN
(FOR LOCATION SEE DWG. S-010)

SMALL CRAFT HARBOURS
CENTRAL AND ARCTIC REGION



AECOM

London, Ontario
519.673.0510

THIS DRAWING HAS BEEN PREPARED FOR USE OF AECOM'S CLIENT AND MAY NOT BE USED, REPRODUCED OR RELIED UPON BY THIRD PARTIES, EXCEPT AS AGREED BY AECOM AND ITS CLIENT, AS REQUIRED BY LAW OR FOR USE BY GOVERNMENTAL REVIEWING AGENCIES. AECOM ACCEPTS NO RESPONSIBILITY, AND DENIES ANY LIABILITY WHATSOEVER, TO ANY PARTY THAT MODIFIES THIS DRAWING WITHOUT AECOM'S EXPRESS WRITTEN CONSENT. DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

NOTES:

- FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
- PROVIDE TEMPORARY SUPPORTS TO ALL DEADMAN TYPES, AS REQUIRED, TO ENSURE THAT THEY REMAIN PLUMB DURING BACK FILLING.
- CONCRETE OR SHEET PILE DEADMEN MAY BE USED FOR THE SOUTH PIER REHABILITATION (SCENARIO B AND SCENARIO C).
- DEADMEN TYPES 1 AND 2 APPLY TO SCENARIO B. DEADMEN TYPES 1, 2 AND 3 APPLY TO SCENARIO C.

REVISION:

No.	REVISIONS	DATE
1		04/02/2015

SCALE:

AS NOTED

CLASS:

PROJECT:

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

DESCRIPTION:

SOUTH PIER
DEADMAN DETAILS

DRAWN:

T.G.

APPROVED:

J.P.

DATE:

JULY 2015

DATE:

JULY 2015

LOCATION:

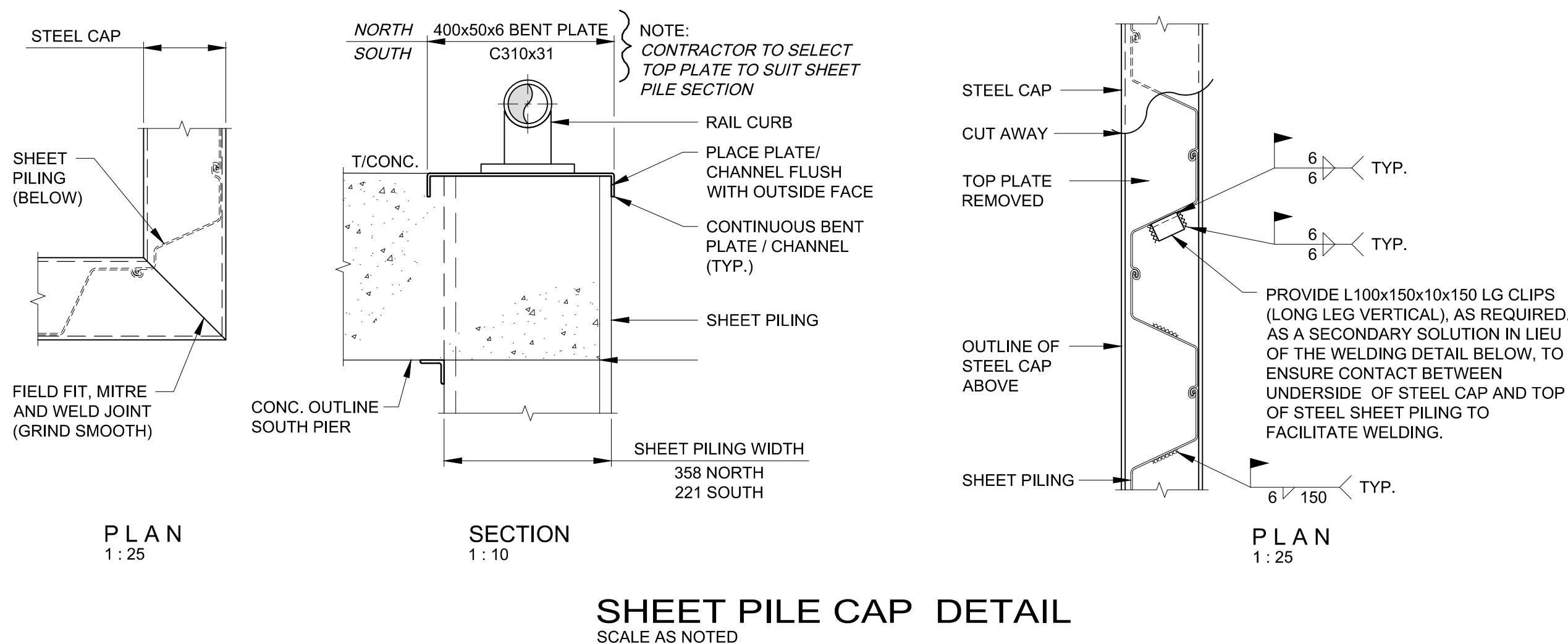
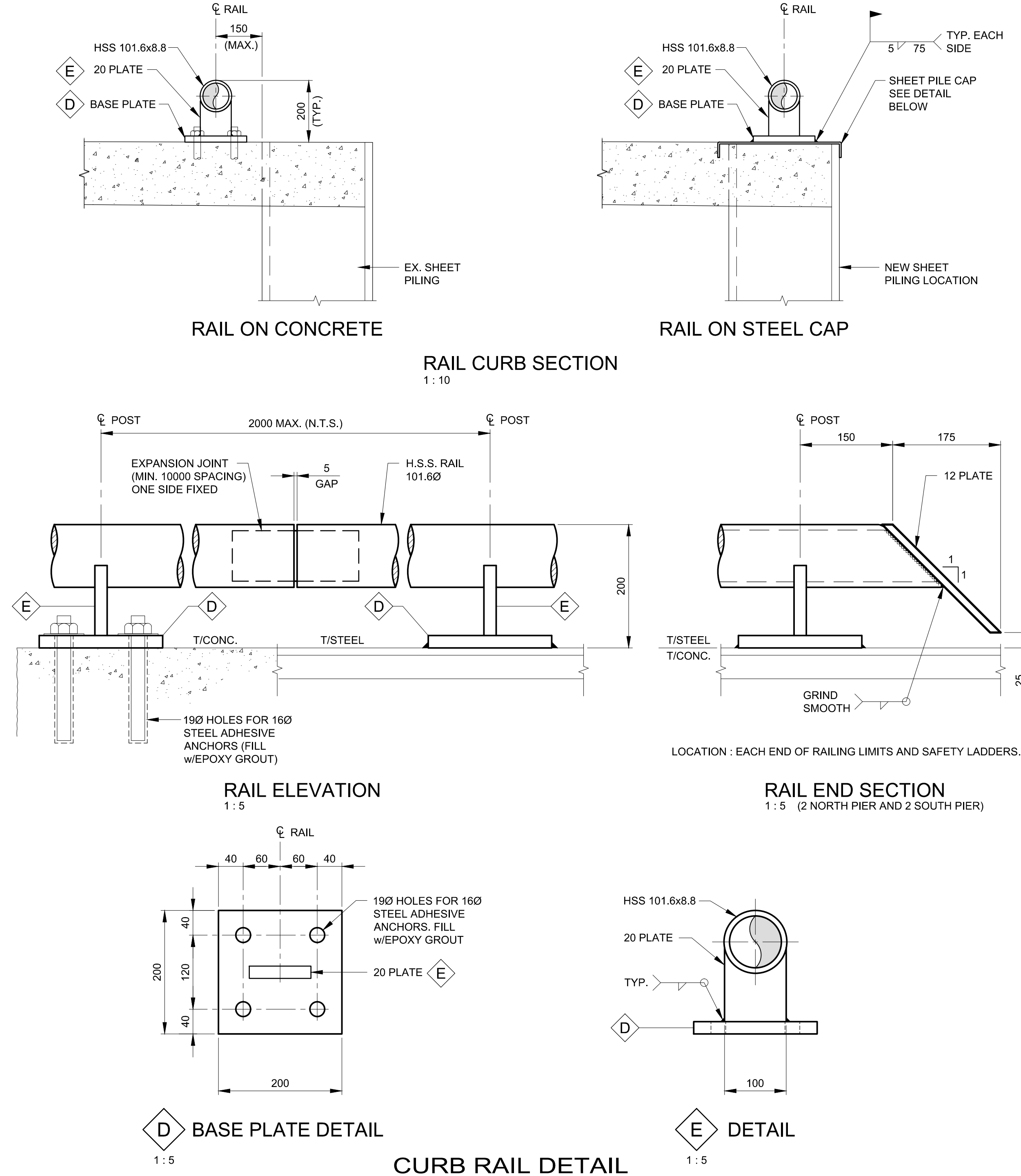
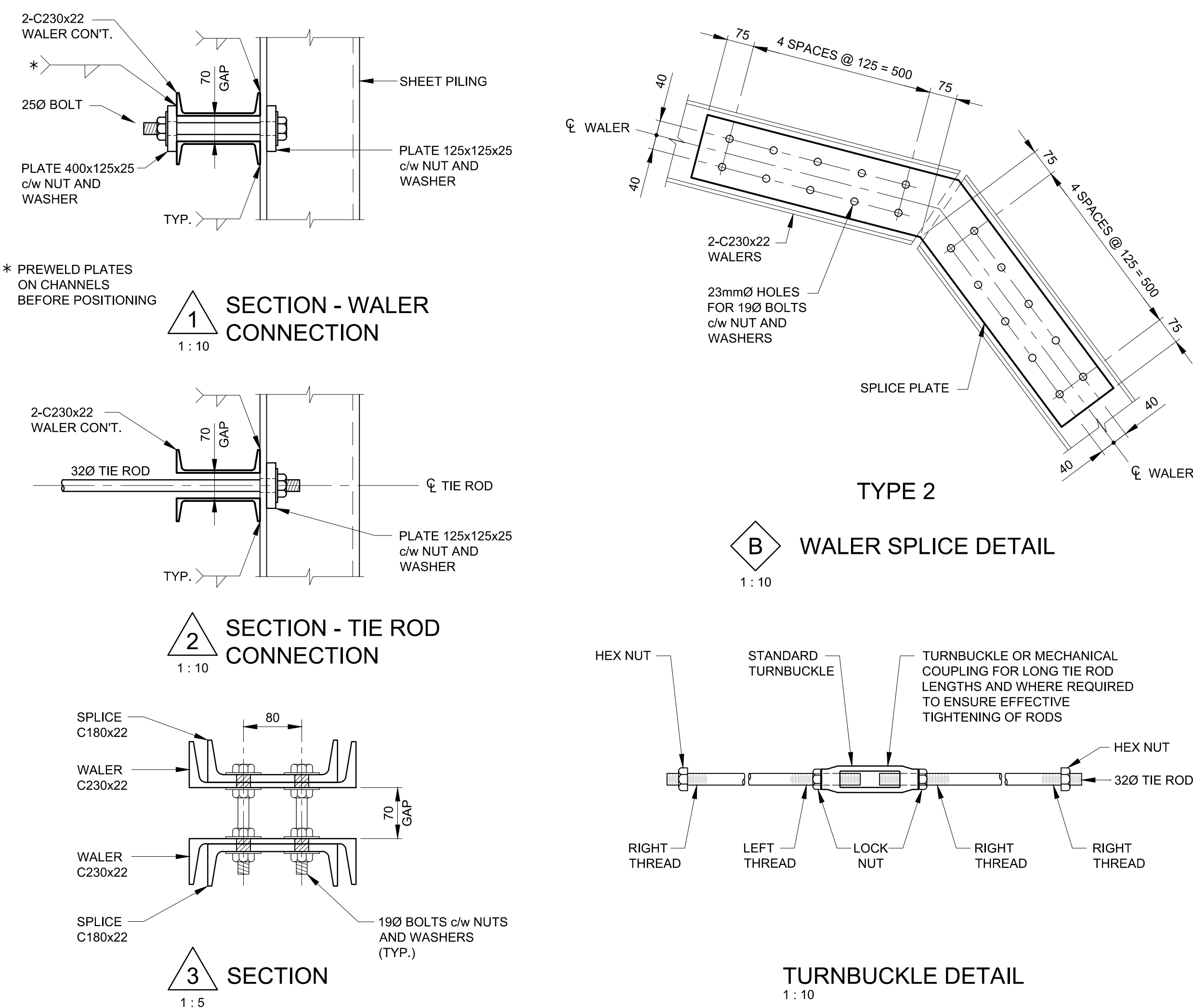
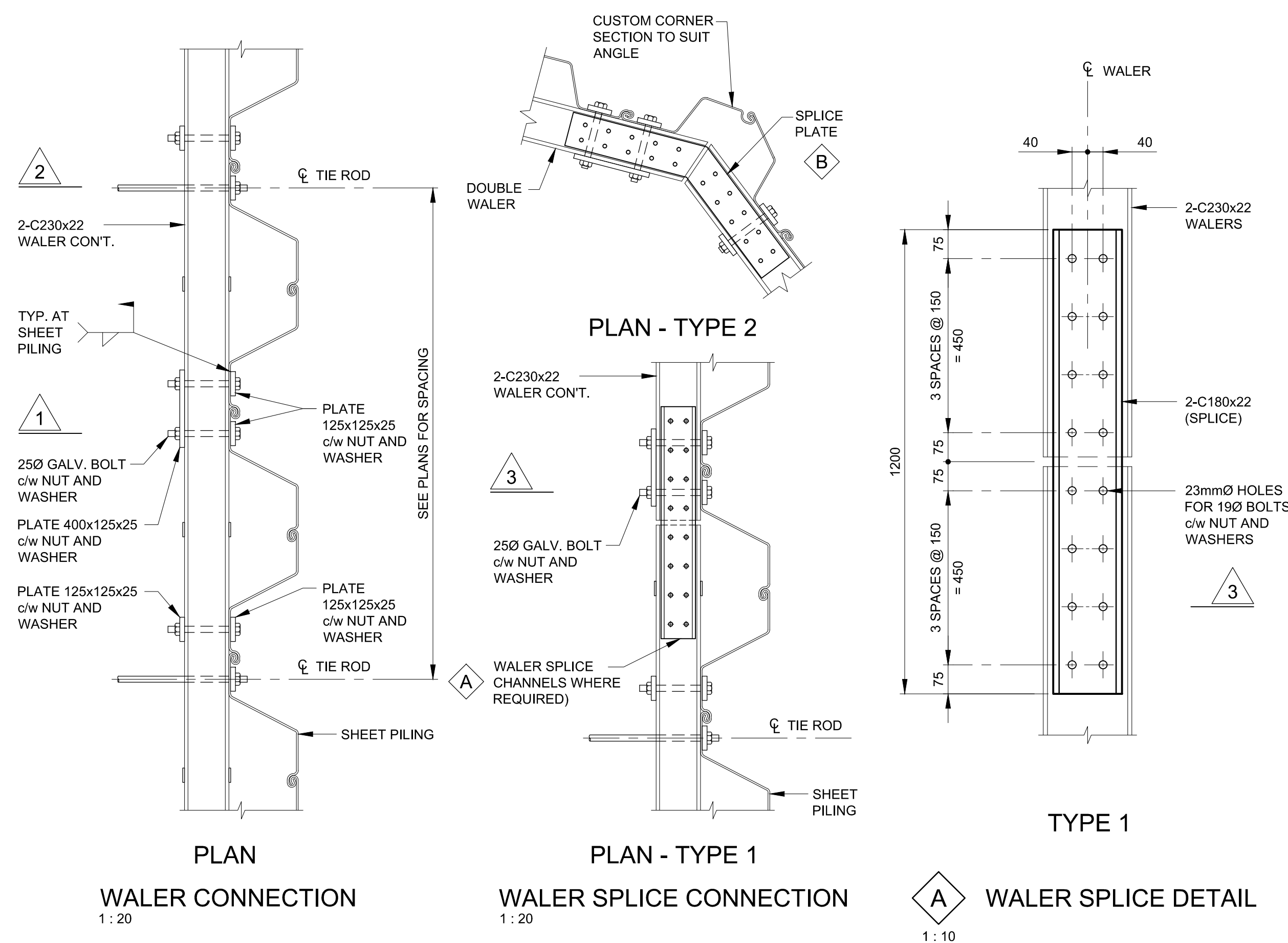
BAYFIELD ONTARIO

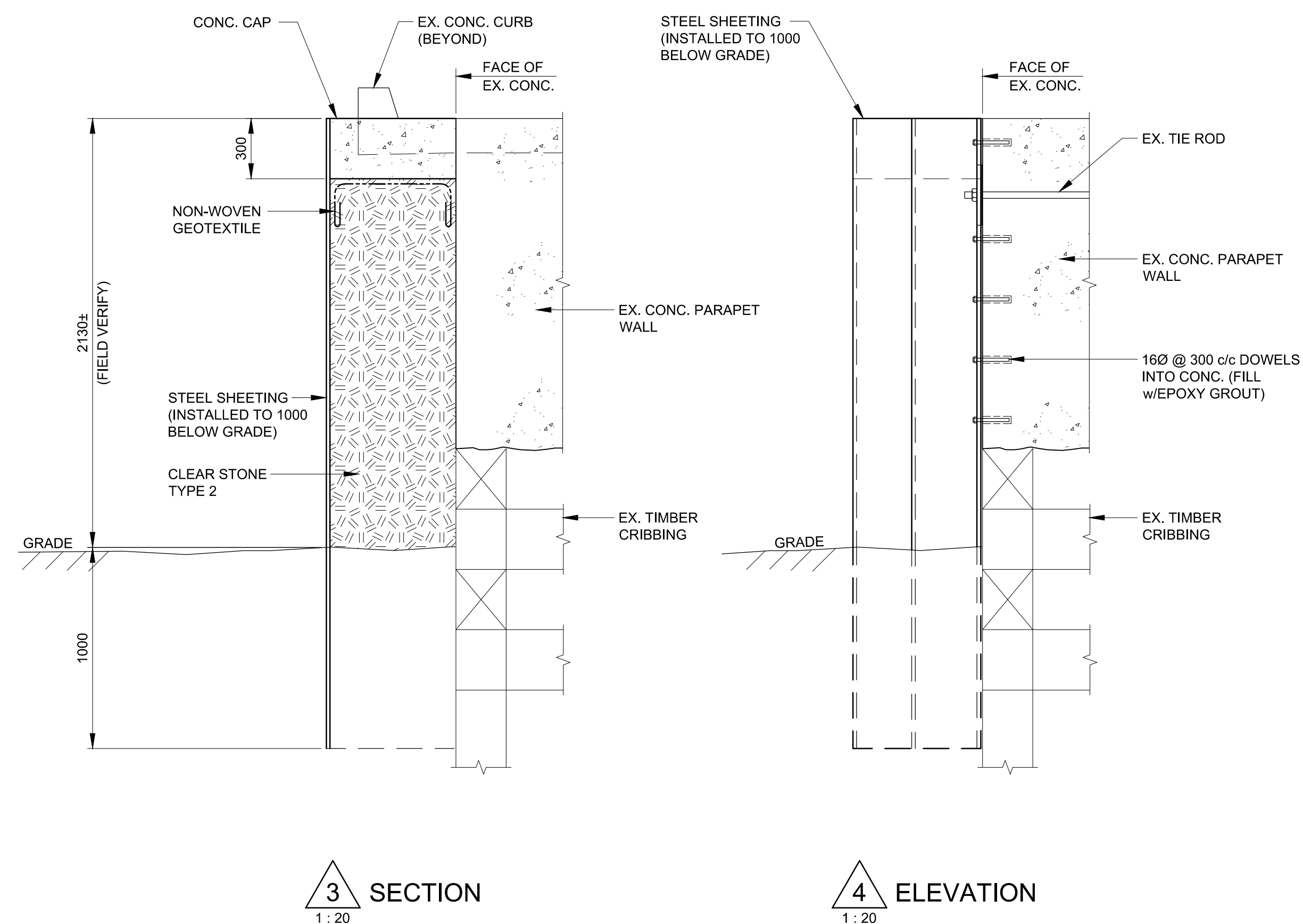
DRAWING NO.:

S-013

LOCATOR CODE:

4516





SAFETY LADDER DETAIL

CLOSURE SHEET PILING - SOUTH PIER
(FOR LOCATION SEE DWG. S-002 AND S-010)



London, Ontario
519.673.0510

THIS DRAWING HAS BEEN PREPARED FOR USE OF AECOM'S CLIENT AND MAY NOT BE USED, REPRODUCED OR RELIED UPON BY THE PARTIES EXCEPT AS AGREED BY AECOM AND ITS CLIENT, AS REQUIRED BY LAW, OR FOR USE BY GOVERNMENTAL REVIEWING AGENCIES. AECOM ACCEPTS NO RESPONSIBILITY, AND DENIES ANY LIABILITY WHATSOEVER, TO ANY PARTY THAT MODIFIES THIS DRAWING WITHOUT AECOM'S EXPRESS WRITTEN CONSENT. DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

NOTES:

1. FOR NOTES, ABBREVIATIONS AND LEGENDS SEE DRAWING S-001.
2. FOR CLEAR STONE AND SELECT MATERIALS SEE NOTES DRAWING S-011.

SCALE: AS NOTED	CLASS:
------------------------	--------

PROJECT:

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

DESCRIPTION:

MISCELLANEOUS
DETAILS - 2

LOCATION:	
BAYFIELD ONTARIO	

DRAWING NO.:	LOCATOR CODE:
S-015	4516