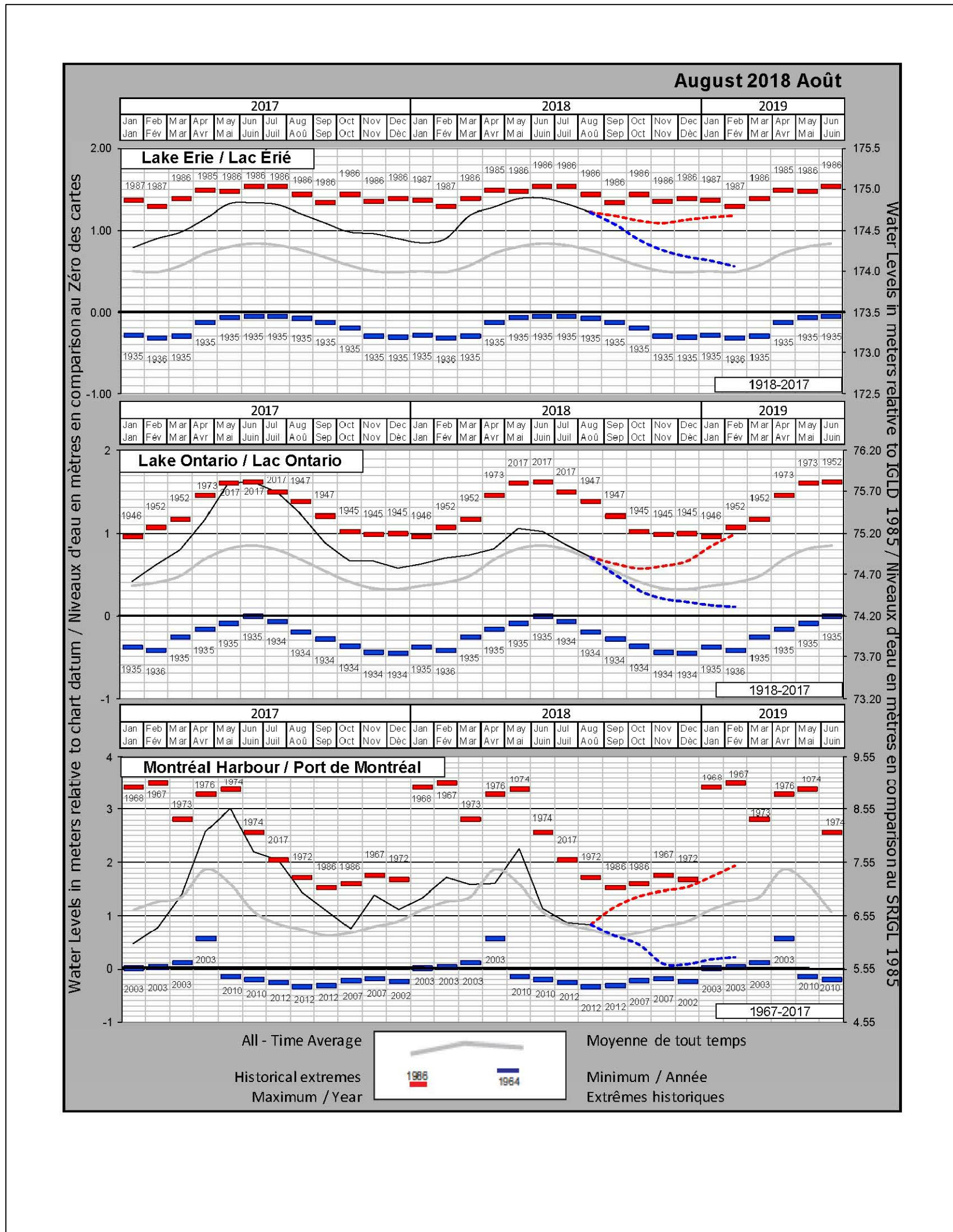


WATER LEVEL CHART



CURRENT INFORMATION CAN BE FOUND AT:  
[http://www.waterlevels.gc.ca/C&A/bulletin\\_e.html](http://www.waterlevels.gc.ca/C&A/bulletin_e.html)  
INFORMATION OBTAINED FROM MONTHLY WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR CANADIAN HYDROGRAPHIC SERVICE.

# 2018 FISHERMAN'S BASIN JETTY REHABILITATION

## RONDEAU (ERIEAU), ONTARIO

### DRAWING INDEX


- MA-00 - TITLE PAGE
- MA-01 - SITE PLAN AND EXISTING CONDITIONS
- MA-02 - JETTY #1, 2, 6 & 7 EXISTING CONDITIONS AND REMOVALS
- MA-03 - JETTY #1, 3, 4, & 5 EXISTING CONDITIONS AND REMOVALS
- MA-04 - EXISTING CONDITIONS AND REMOVALS (JETTY #1, 2, 3, 4, 5, 6 & 7)
- MA-05 - REPAIRED JETTY LAYOUT PLANS (JETTY #1, 2, 6 & 7)
- MA-06 - REPAIRED JETTY LAYOUT PLANS (JETTY #1, 3, 4 & 5)
- MA-07 - TYP. DETAILS FOR JETTY #1, 2, 6 & 7
- MA-08 - TYP. DETAILS FOR JETTY #1, 2 & 6
- MA-09 - TYP. DETAILS FOR JETTY #1, 2 & 6
- MA-10 - TYP. DETAILS
- MA-11 - TYP. DETAILS

### REFERENCE DRAWINGS

- E1 - ELECTRICAL SITE PLAN
- E2 - ELECTRICAL DETAILS



GOVERNMENT OF CANADA  
FISHERIES AND OCEANS

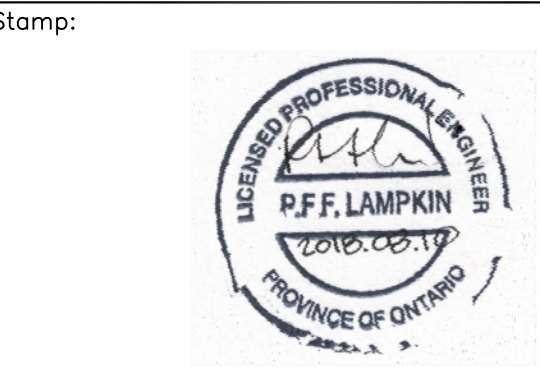


GOUVERNEMENT DU CANADA  
PÊCHES ET OCÉANS

SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION

Riggs Engineering Ltd.  
1240 Commissioners Rd. W, Suite 205  
London, Ontario,  
N6K 1C7  
Tel: (519) 657-1040  
Fax: (519) 657 8631  
Website: [www.riggsgengineering.com](http://www.riggsgengineering.com)

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- 2 drawing no. – where detail required refers to MA–
- 3 drawing no. – where detailed refers to MA–



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:

RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION

DESCRIPTION:

TITLE PAGE

DRAWN:	APPROVED:
AM	PL

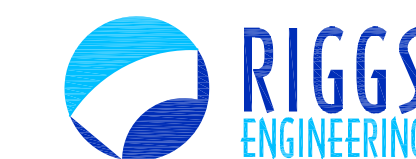
DATE:	DATE:
2018-03-31	2018-03-31


LOCATION:

RONDEAU (ERIEAU)  
ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-00	720991





	1	Detail No.
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	3	drawing no. — where detailed refers to MA—



REVIEWS:		DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:

RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION

DESCRIPTION:

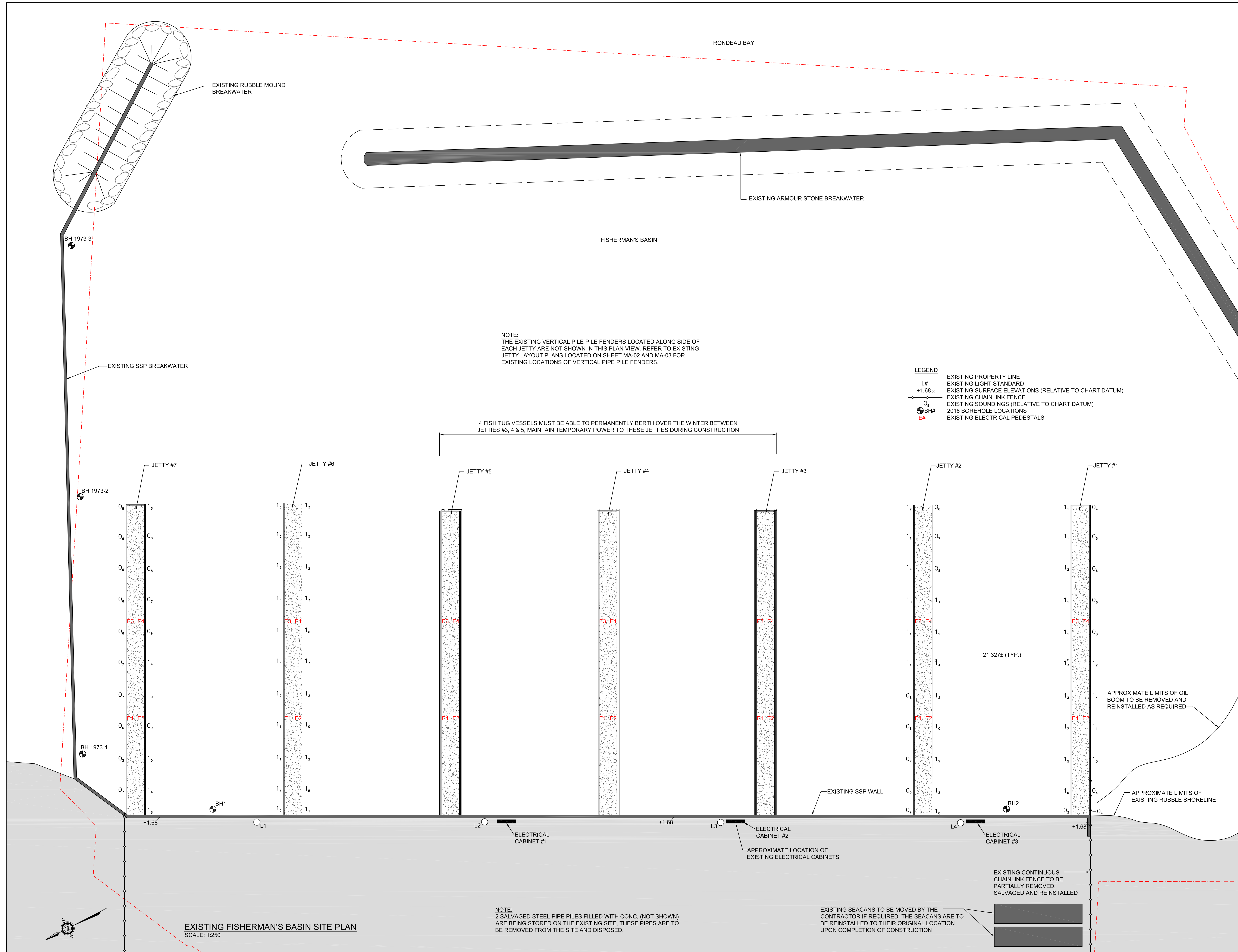
SITE PLAN  
AND  
EXISTING CONDITIONS

DRAWN:  AM	APPROVED:  PL
DATE:  2018-03-31	DATE:  2018-03-31

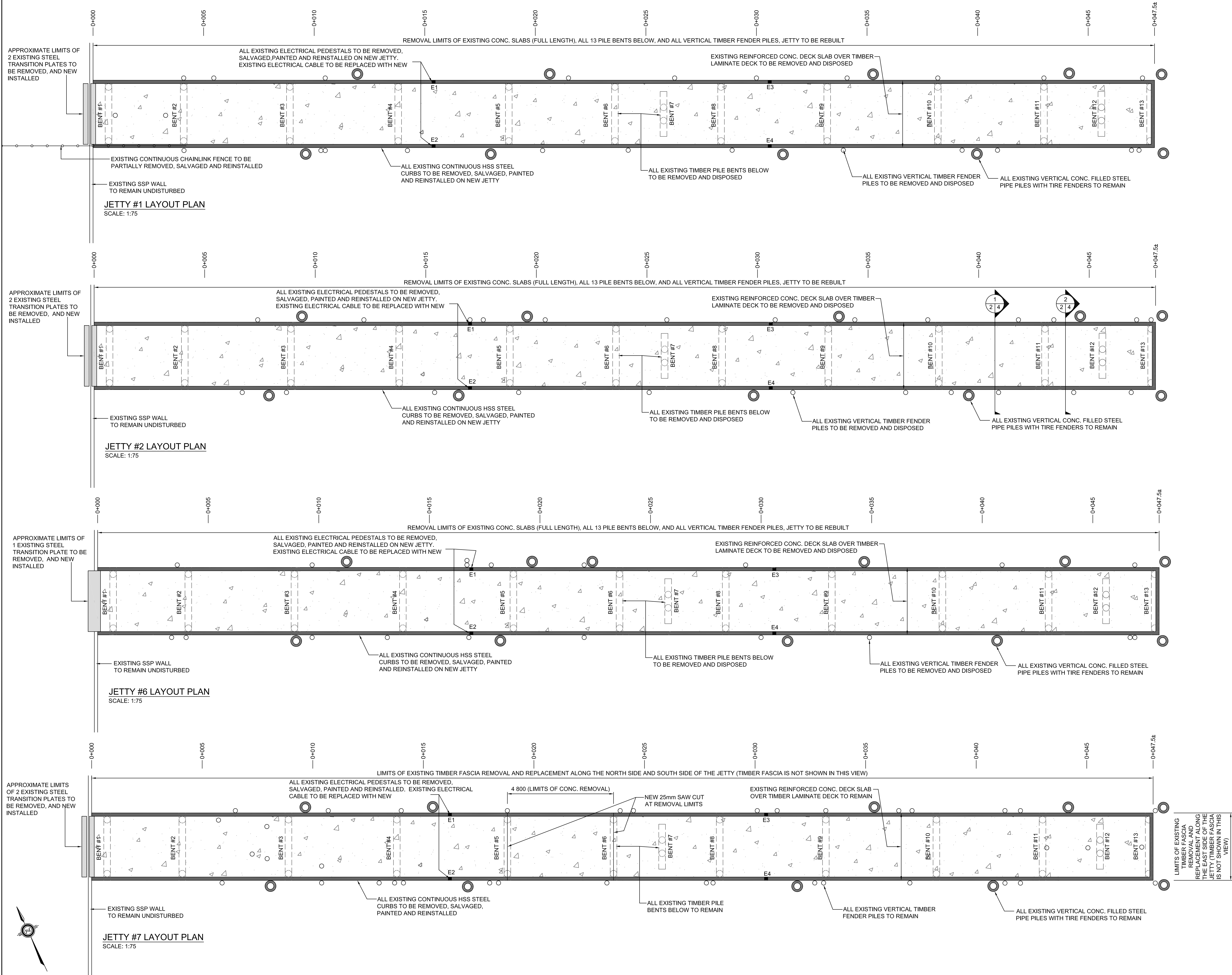
LOCATION:


RONDEAU (ERIEAU)  
ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-01	720991












GOVERNMENT OF CANADA  
FISHERIES AND OCEANS



GOVERNMENT DU CANADA  
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Stamp:



**LEGEND:**

- EXISTING TIMBER PILE FENDERS
- EXISTING CONCRETE FILLED STEEL PIPE FENDER
- E# EXISTING ELECTRICAL PEDESTAL

REVISIONS:		DATE:

SCALE:  
**AS NOTED**

CLASS:

PROJECT:

**RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION**

DESCRIPTION:

**JETTY #1, 2, 6 & 7  
EXISTING CONDITIONS AND  
REMOVALS**

DRAWN: <b>AM</b>	APPROVED: <b>P.L.</b>
DATE: <b>2018-03-31</b>	DATE: <b>2018-03-31</b>

LOCATION:

**RONDEAU (ERIEAU)  
ONTARIO**

DRAWING NO.: <b>MA-02</b>	LOCATOR CODE: <b>720991</b>
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- 1

2

3

Detail No.

drawing no. – where detail required refers to MA–

drawing no. – where detailed refers to MA–



- LEGEND:
- EXISTING TIMBER PILE FENDERS
  - EXISTING CONCRETE FILLED STEEL PIPE FENDER
  - EXISTING ELECTRICAL PEDESTAL

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:

**RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION**

DESCRIPTION:

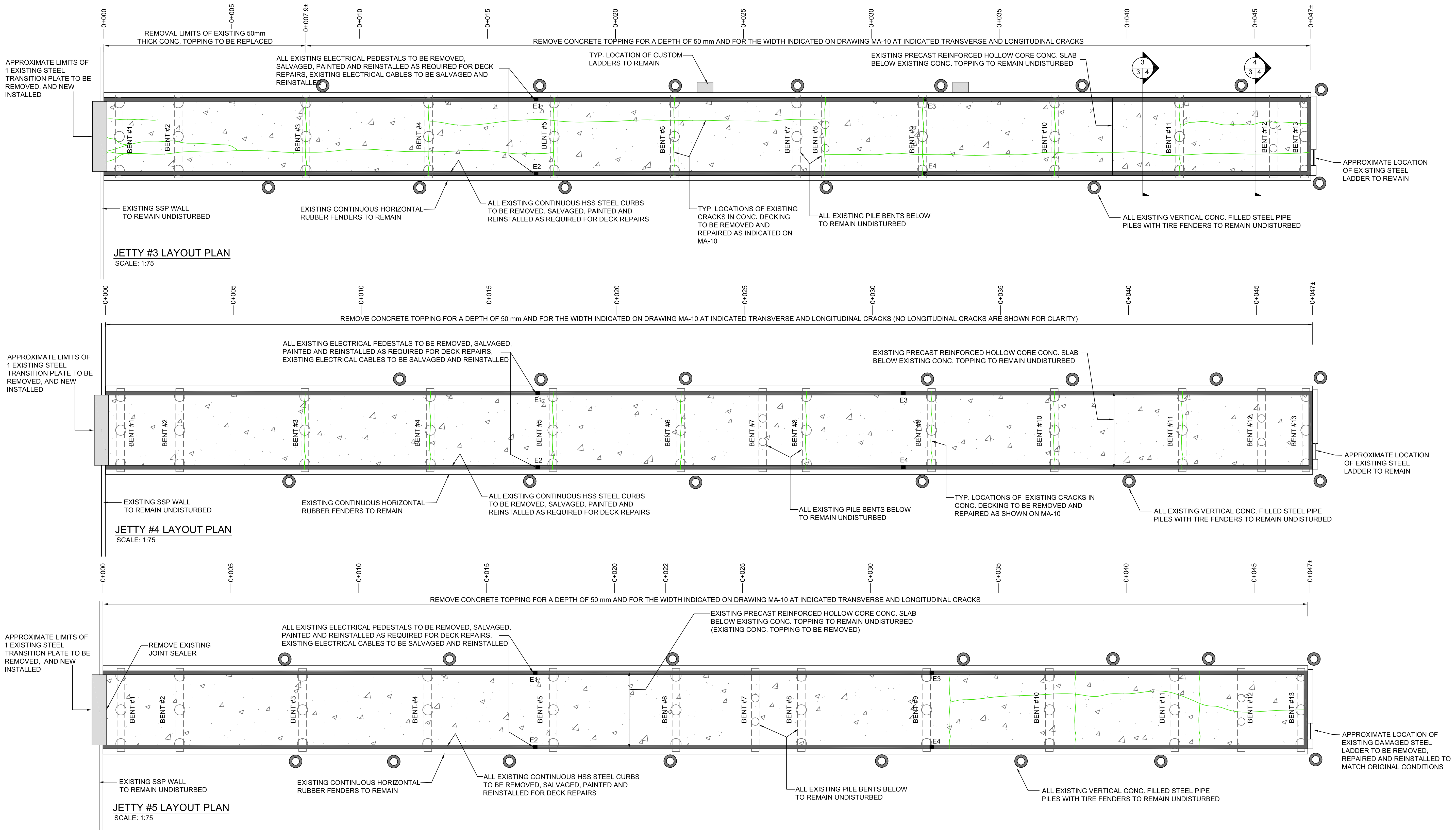
**JETTY #3, 4 & 5  
EXISTING CONDITIONS AND  
REMOVALS**

DRAWN:	APPROVED:
AM	PL
DATE:	DATE:
2018-03-31	2018-03-31

LOCATION:

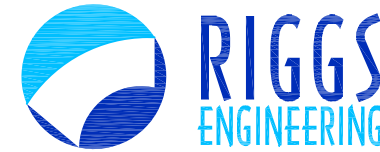
**RONDEAU (ERIEAU)  
ONTARIO**

DRAWING NO.:	LOCATOR CODE:
MA-03	720991





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3 drawing no. - where detailed refers to MA--

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

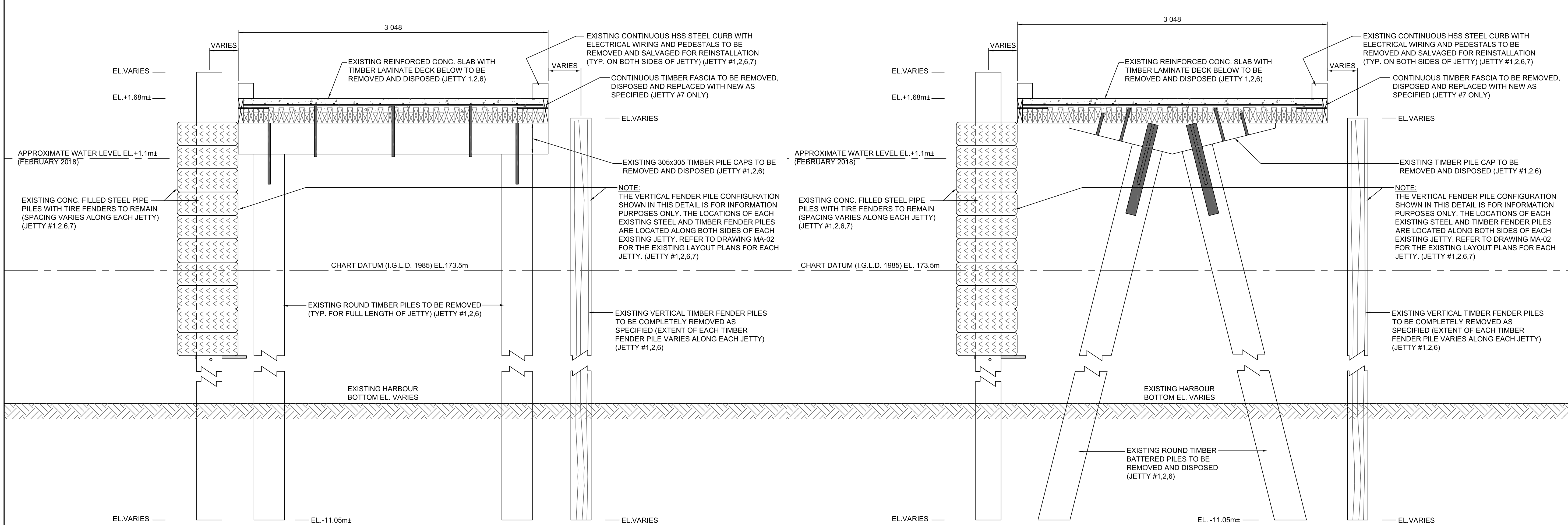
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**RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION**

DESCRIPTION:  
**EXISTING CONDITIONS  
AND REMOVALS  
(JETTY #1, 2, 3, 4, 5, 6, 7)**

DRAWN: <b>AM</b>	APPROVED: <b>P.L.</b>
DATE: <b>2018-03-31</b>	DATE: <b>2018-03-31</b>

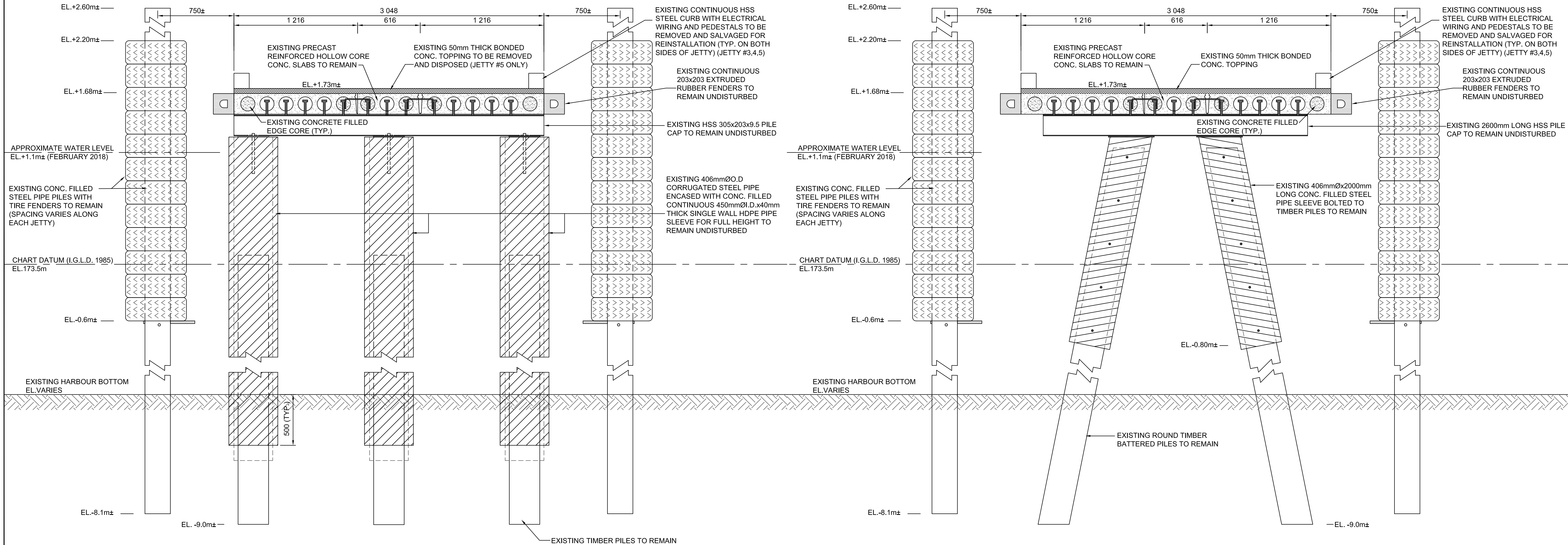
LOCATION:  
**RONDEAU (ERIEAU)  
ONTARIO**

DRAWING NO.: <b>MA-04</b>	LOCATOR CODE: <b>720991</b>
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1  
2/4 TYP. EXISTING SECTION OF JETTY #1, 2, 6 & 7 (BENT #1-6 & 8-11 & 13)  
SCALE: 1:20

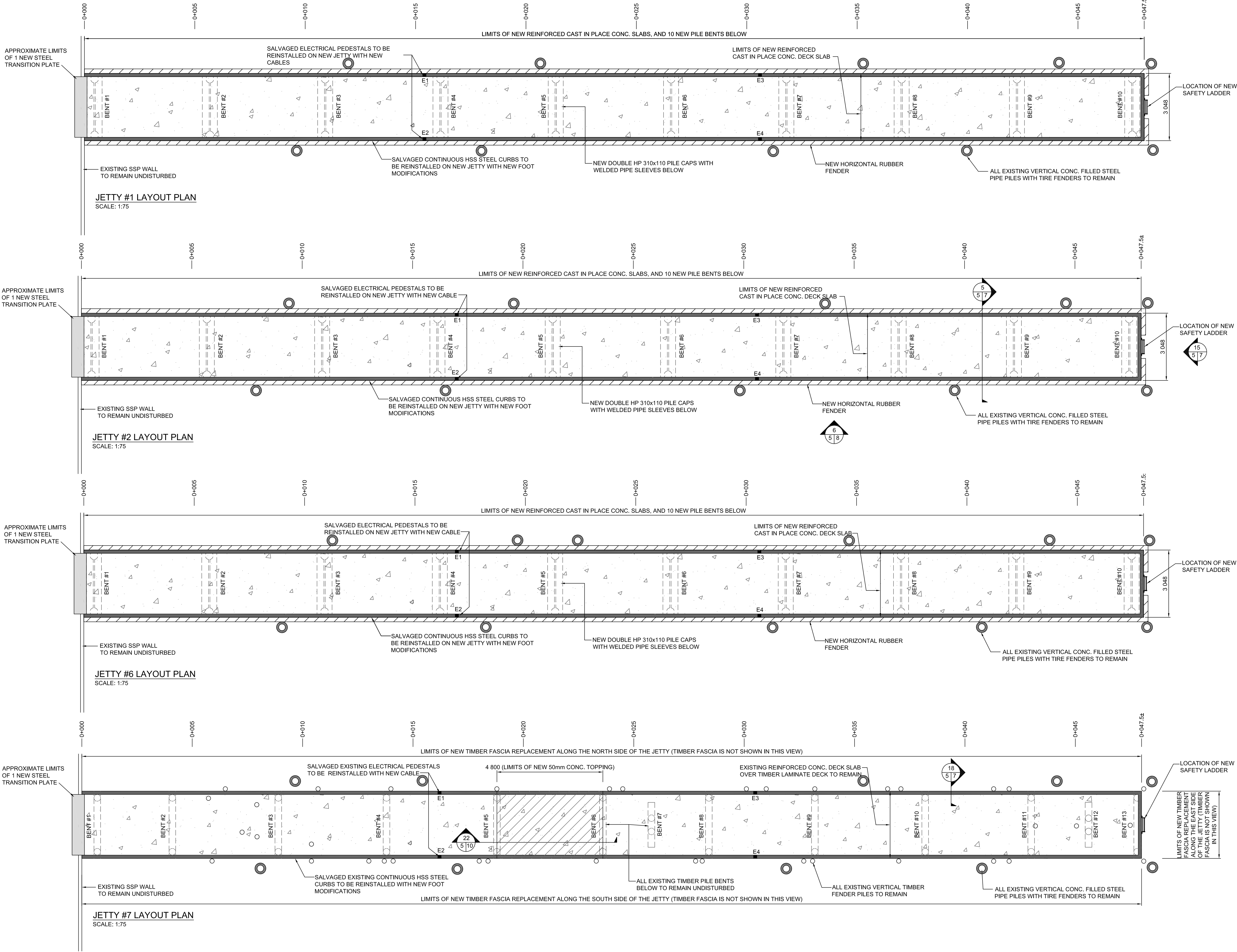
2  
2/4 TYP. EXISTING SECTION OF JETTY #1, 2, 6 & 7 (BENT #7 & 12)  
SCALE: 1:20



3  
3/4 TYP. EXISTING SECTION OF JETTY #3, 4 & 5  
SCALE: 1:20

4  
3/4 TYP. EXISTING SECTION OF JETTY #3, 4 & 5 (BENT #7 & 12)  
SCALE: 1:20





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- 2 drawing no. – where detail required refers to MA–
- 3 drawing no. – where detailed refers to MA–

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:
RONDEAU (ERIEAU) FISHERMAN'S BASIN JETTY REHABILITATION

DESCRIPTION:
REPAIRED JETTY LAYOUT PLANS (JETTY #1, 2, 6 & 7)

DRAWN:	APPROVED:
AM	P.L.
DATE:	DATE:
2018-03-31	2018-03-31

LOCATION:
RONDEAU (ERIEAU) ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-05	720991



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- 1

2

3
- Detail No.

drawing no. - where detail required refers to MA-

drawing no. - where detailed refers to MA-

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:

RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION

DESCRIPTION:

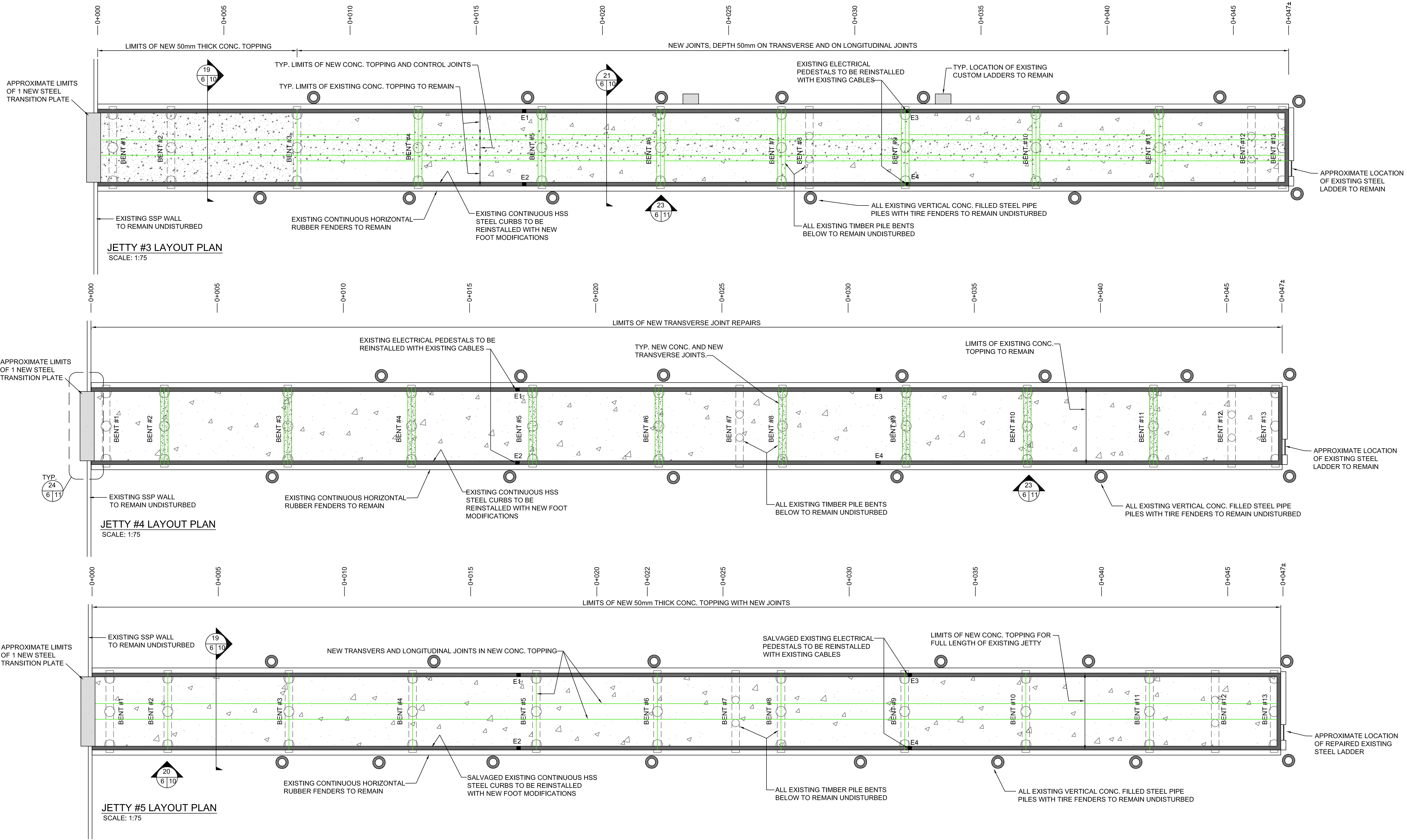
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PLANS (JETTY #3, 4, & 5)

DRAWN:	APPROVED:
AM	P.L.
DATE:	DATE:
2018-03-31	2018-03-31

LOCATION:

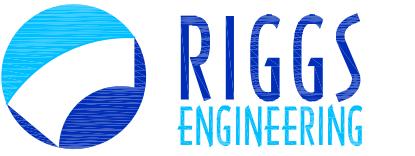
RONDEAU (ERIEAU)  
ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-06	720991





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Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

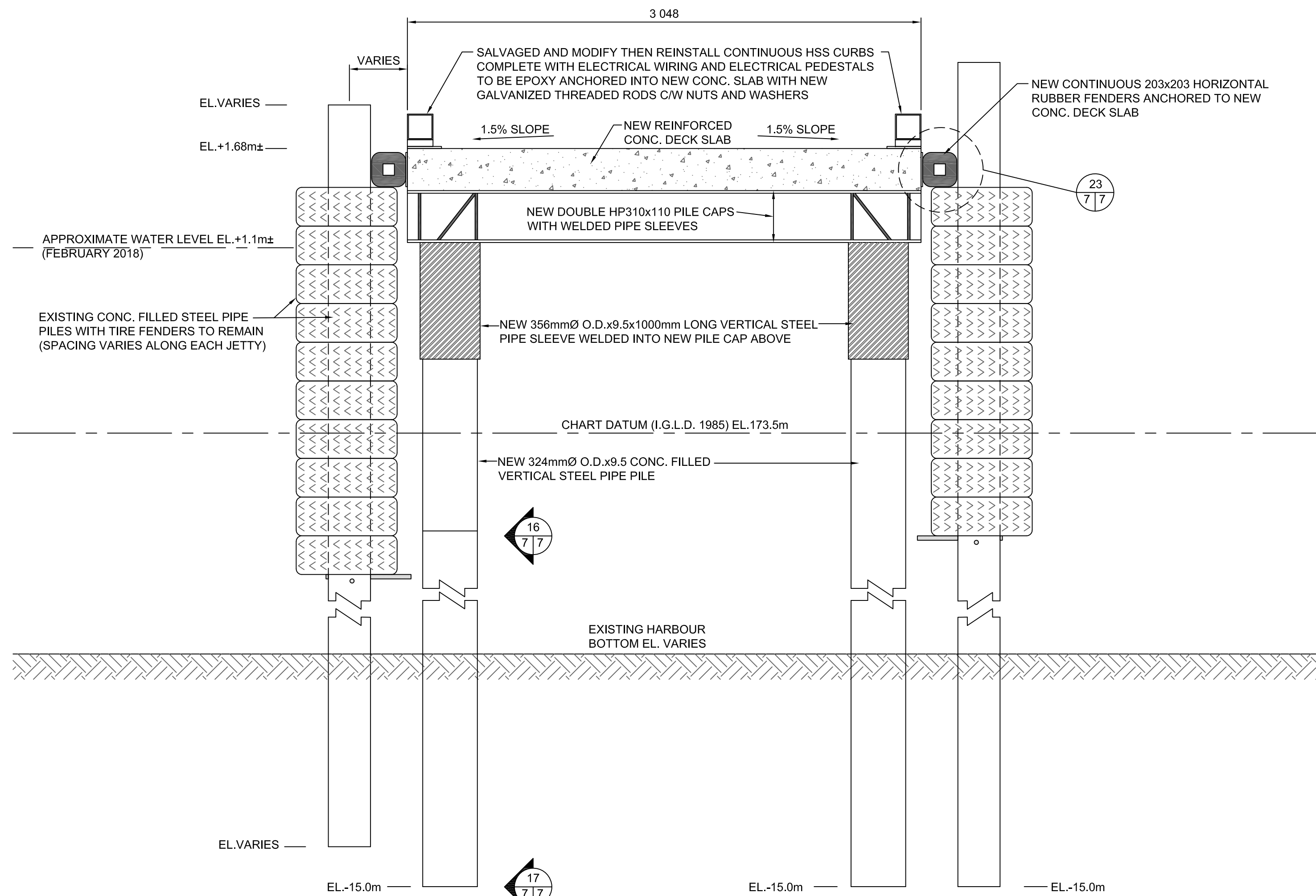
PROJECT:  
**RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION**

DESCRIPTION:  
**TYP. DETAILS FOR  
JETTY #1, 2, 6 & 7**

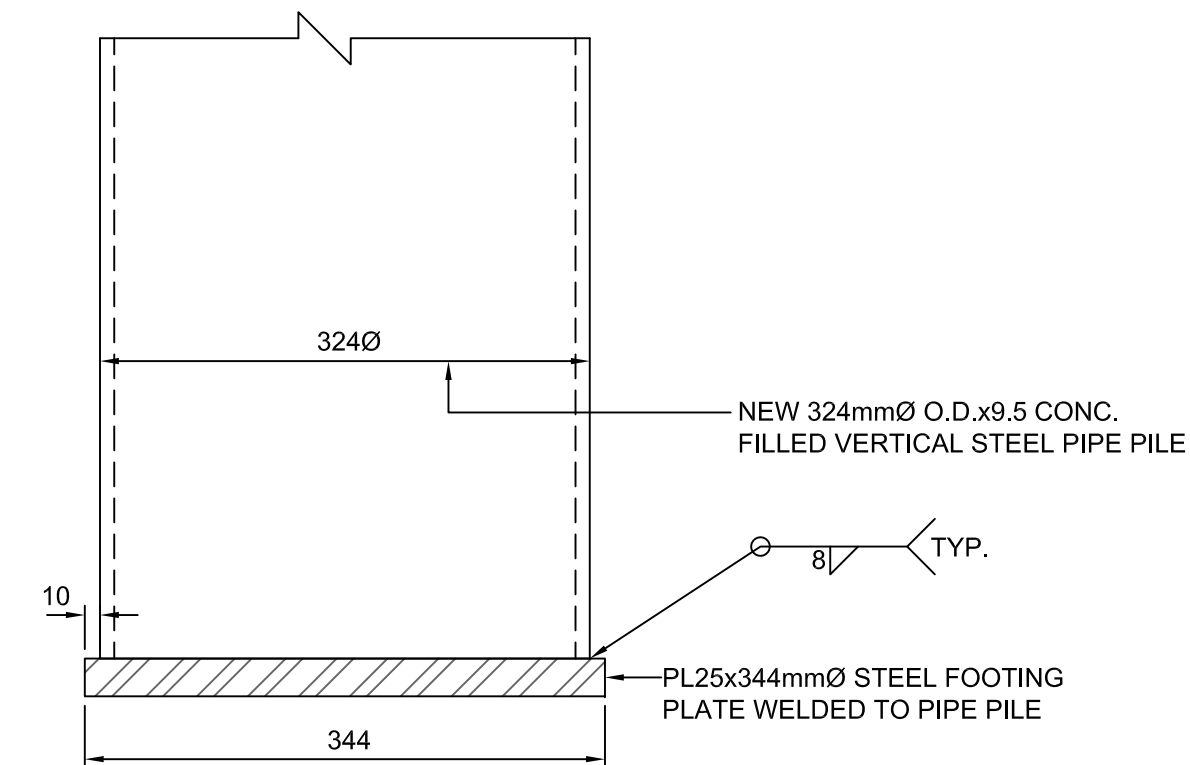
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DATE: <b>2018-03-31</b>	DATE: <b>2018-03-31</b>

LOCATION:  
**RONDEAU (ERIEAU)  
ONTARIO**

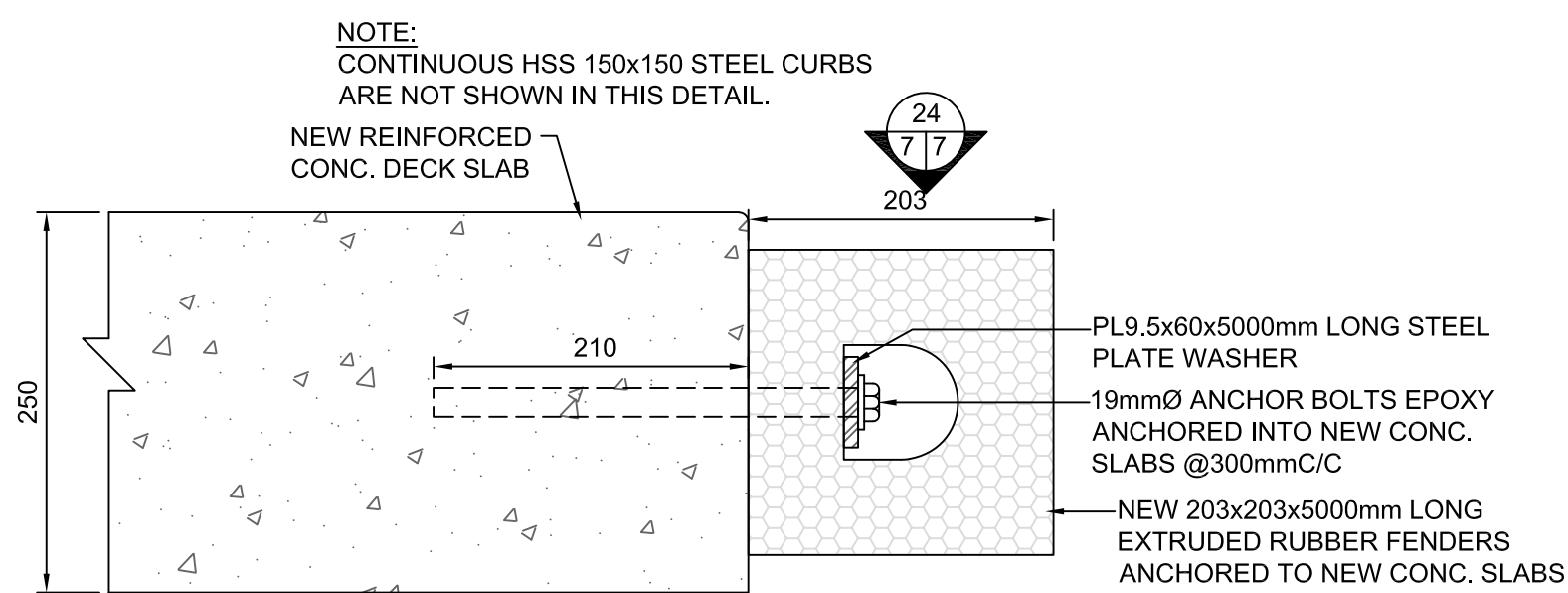
DRAWING NO.: <b>MA-07</b>	LOCATOR CODE: <b>720991</b>
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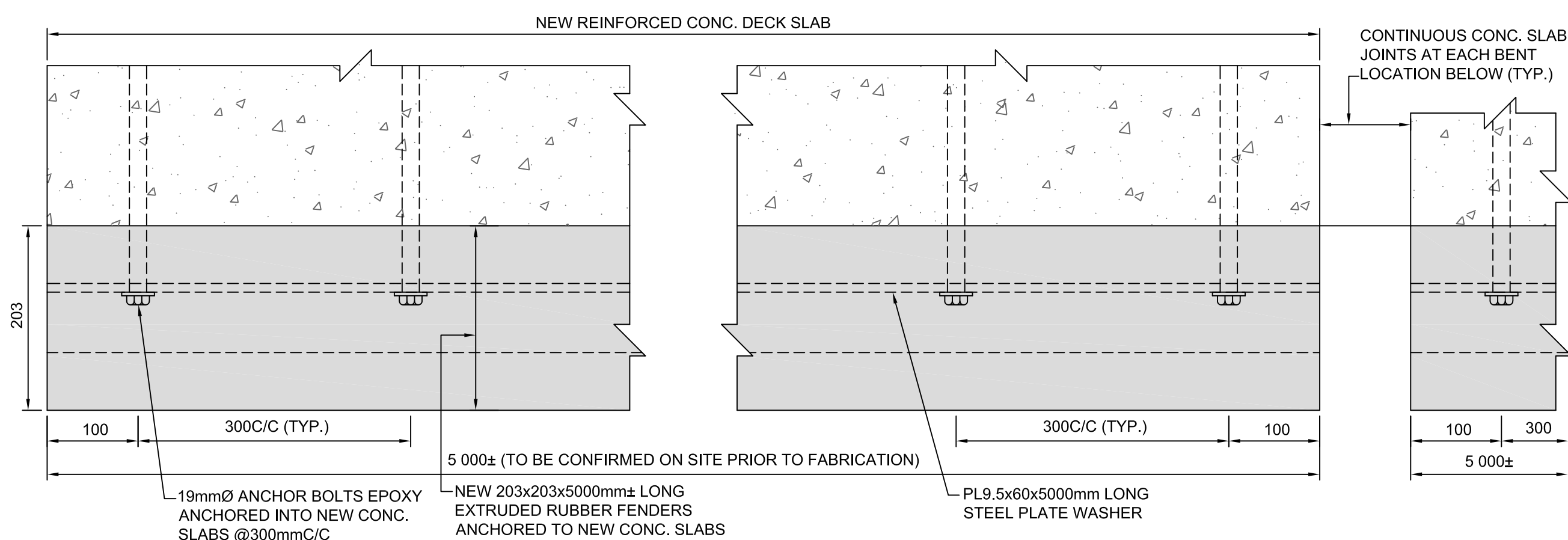
5 TYP. SECTION OF NEW JETTY #1, 2, & 6  
SCALE: 1:20



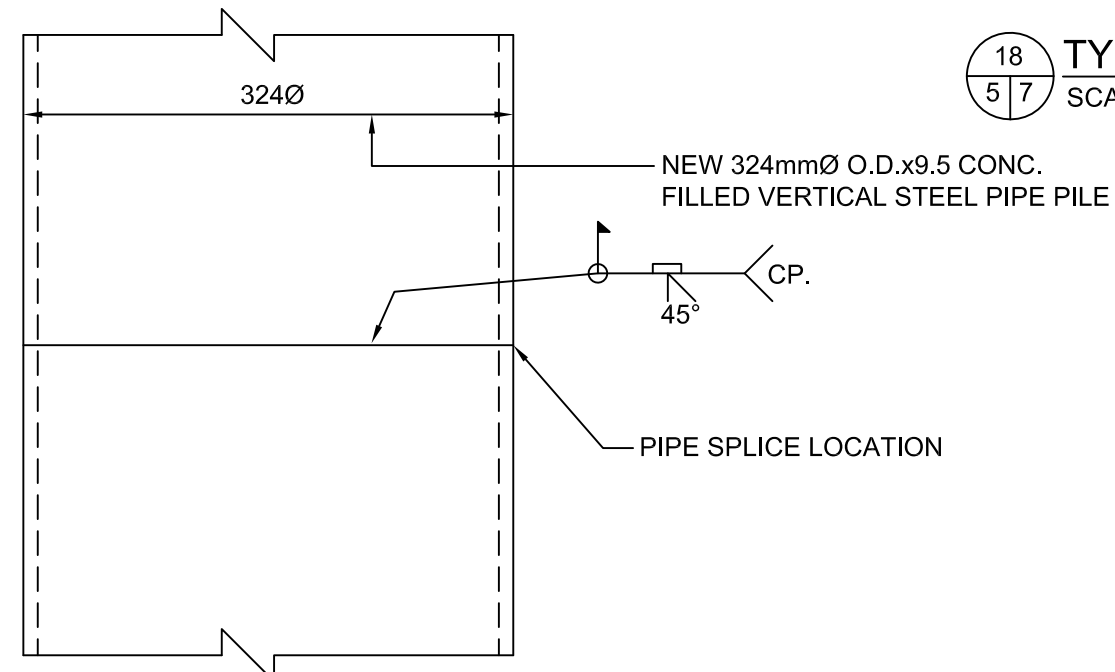
17 TYP. PIPE FOOTING PLATE DETAIL  
SCALE: 1:5



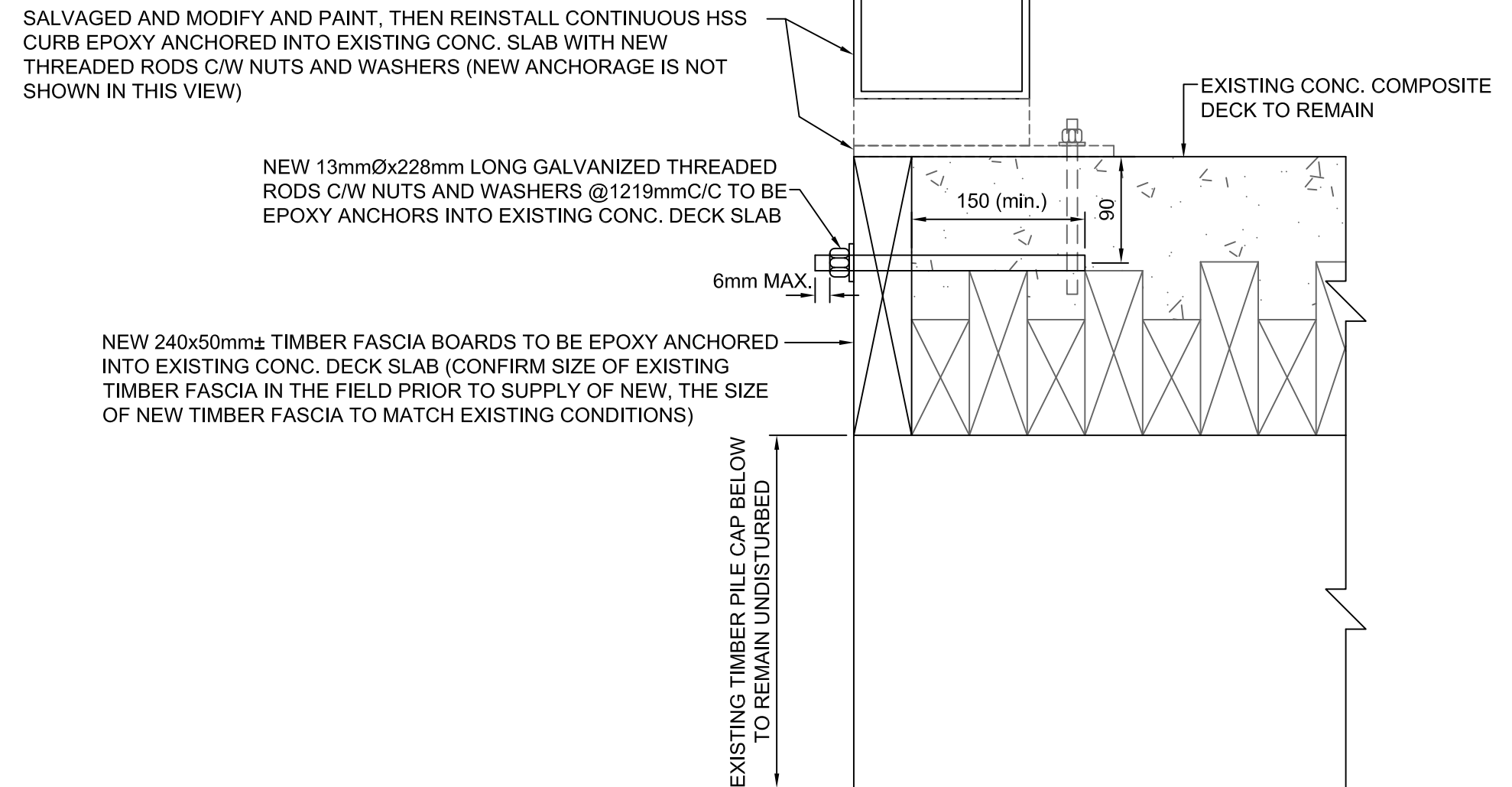
23 NEW FENDER INSTALLATION DETAIL  
SCALE: 1:5



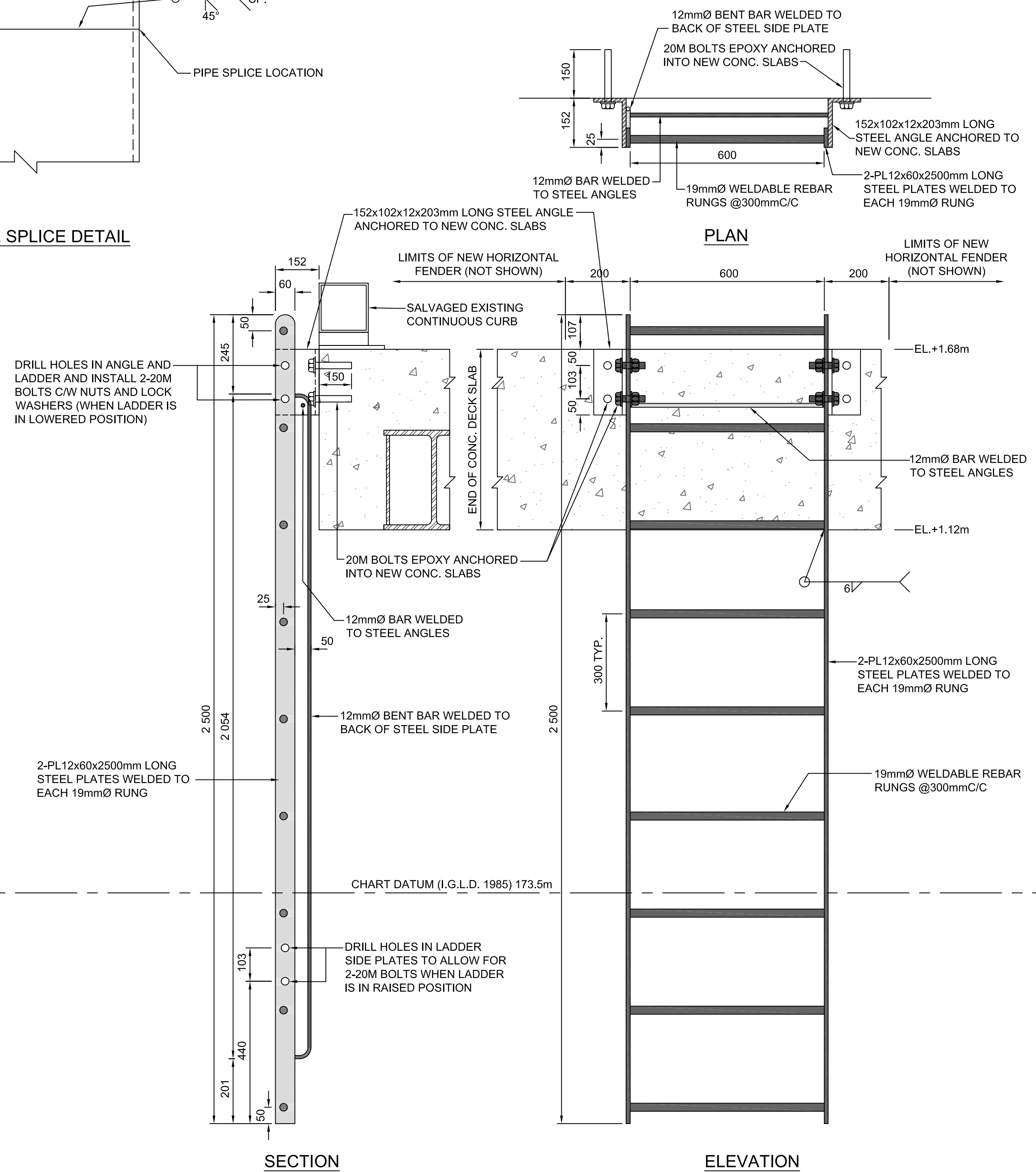
24 NEW FENDER INSTALLATION DETAIL PLAN  
SCALE: 1:5



16 TYP. PIPE SPLICE DETAIL  
SCALE: 1:5



18 TYP. TIMBER FASCIA REPLACEMENT DETAIL (JETTY #7)  
SCALE: 1:5

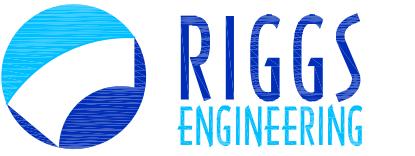


15 NEW LADDER DETAIL FOR JETTY #1, 2, 5, 6 & 7  
SCALE: 1:10

NOTE:  
THE EXISTING DAMAGED LADDER LOCATED ON JETTY #5 IS TO BE REPAIRED BASED ON THIS DETAIL. THE CONTRACTOR IS TO INSPECT THE EXISTING MOUNTING BRACKETS LOCATED ON JETTY #5 AND SALVAGE ANY USABLE PARTS OF THE LADDER ASSEMBLY PRIOR TO FABRICATION OF A NEW LADDER.



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2 drawing no. - where detail required refers to MA-  
3 drawing no. - where detailed refers to MA-

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

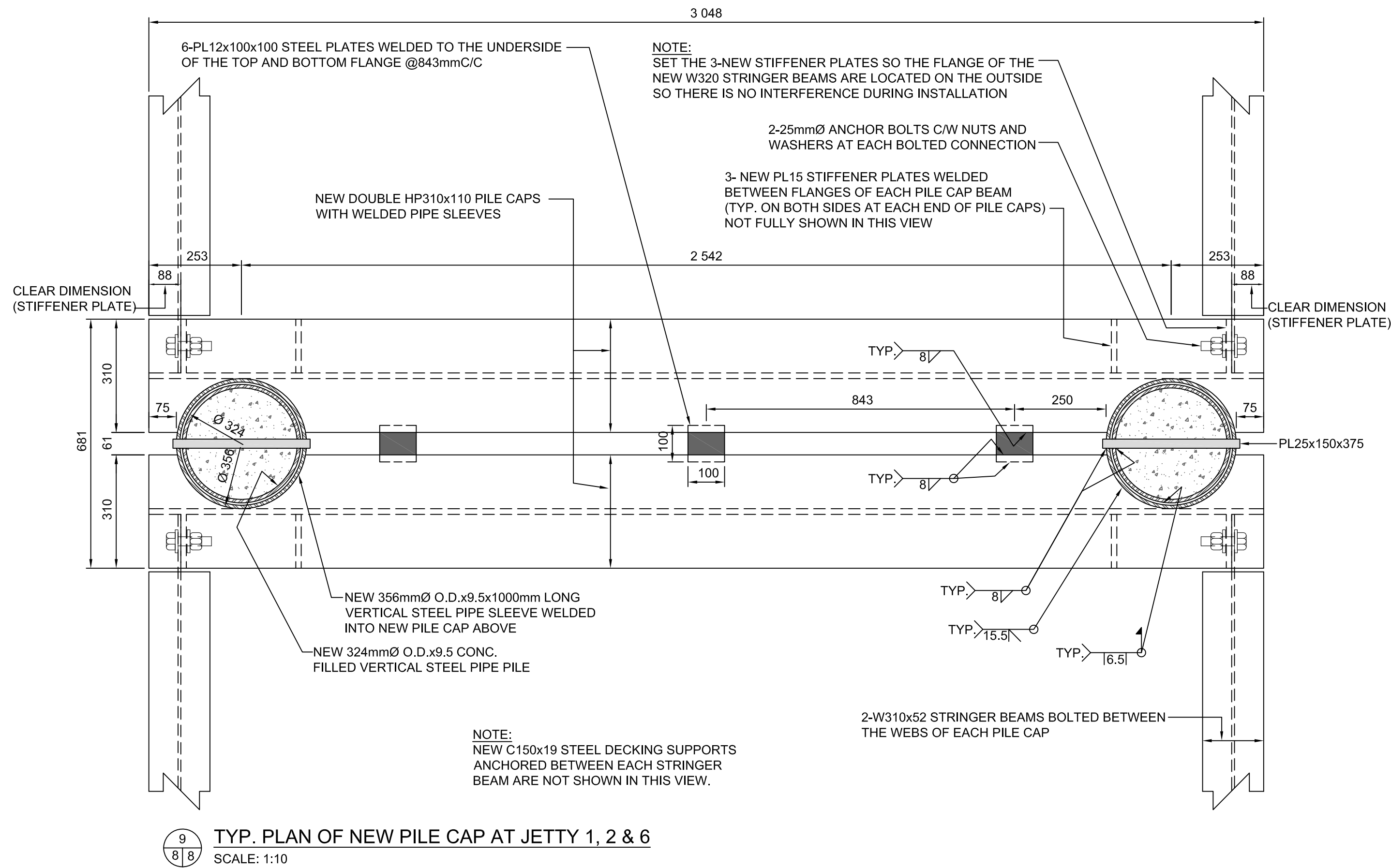
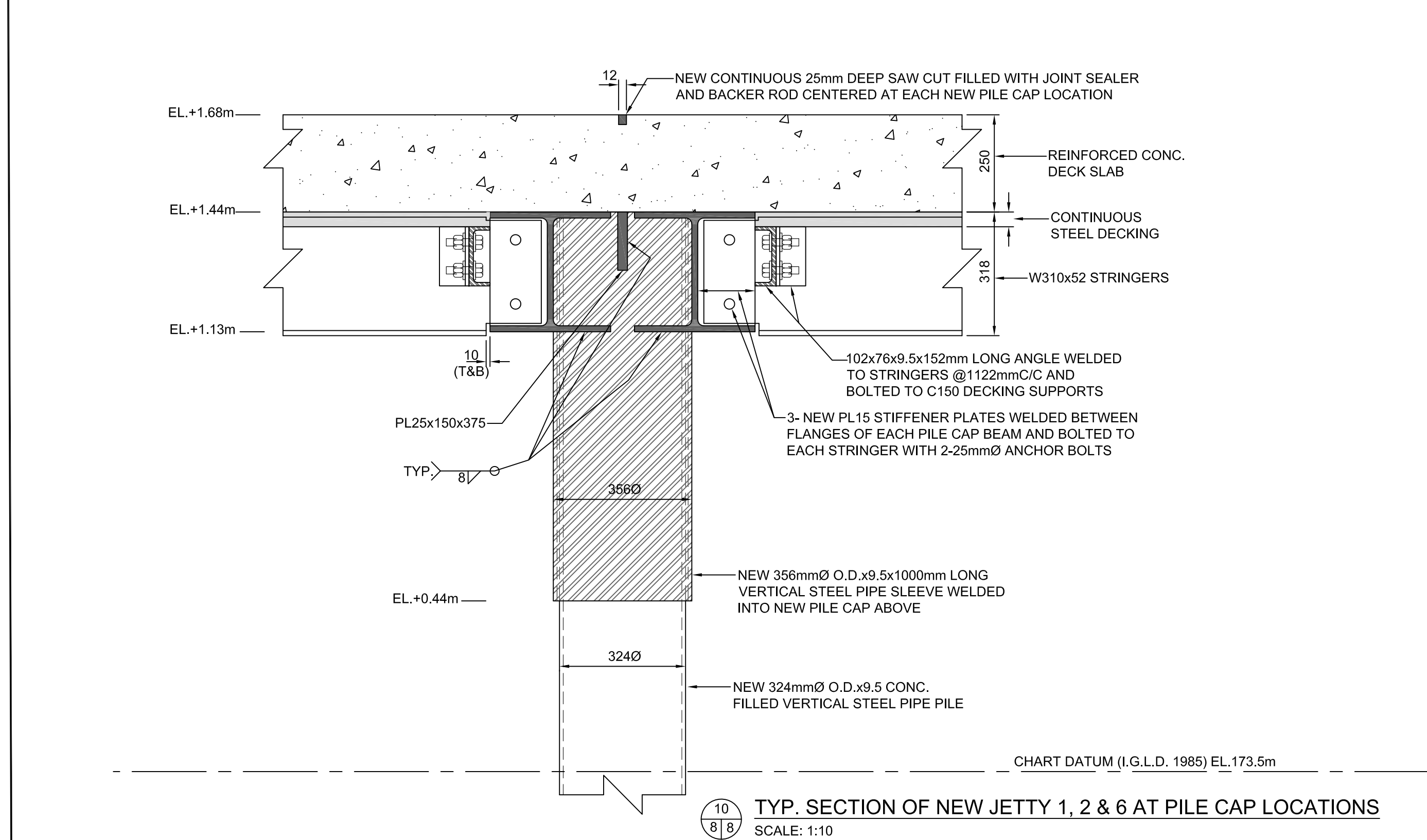
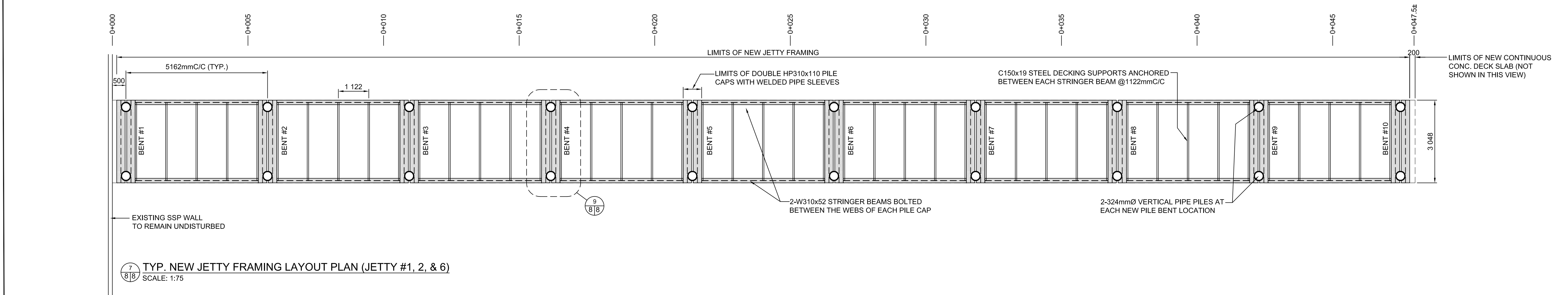
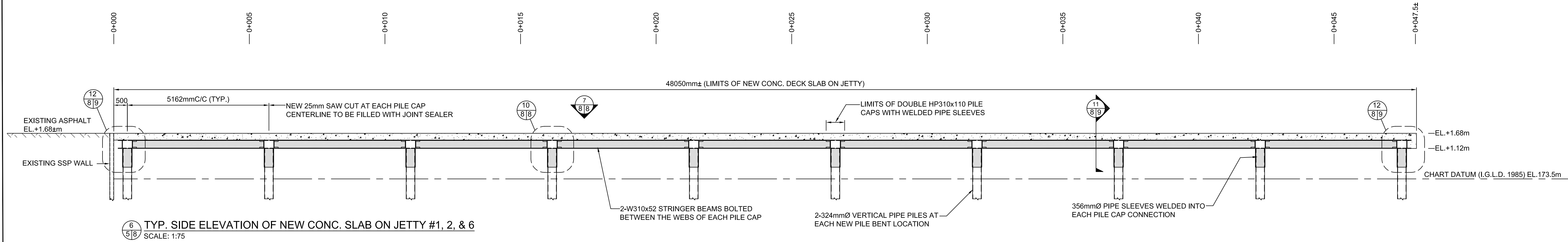
PROJECT:
RONDEAU (ERIEAU) FISHERMAN'S BASIN JETTY REHABILITATION

DESCRIPTION:
TYP. DETAILS FOR JETTY #1, 2 & 6

DRAWN:	APPROVED:
AM	P.L.
DATE:	DATE:
2018-03-31	2018-03-31

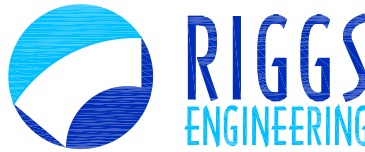
LOCATION:
RONDEAU (ERIEAU) ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-08	720991





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2 drawing no. - where detail required refers to WA-  
3 drawing no. - where detailed refers to MA-

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

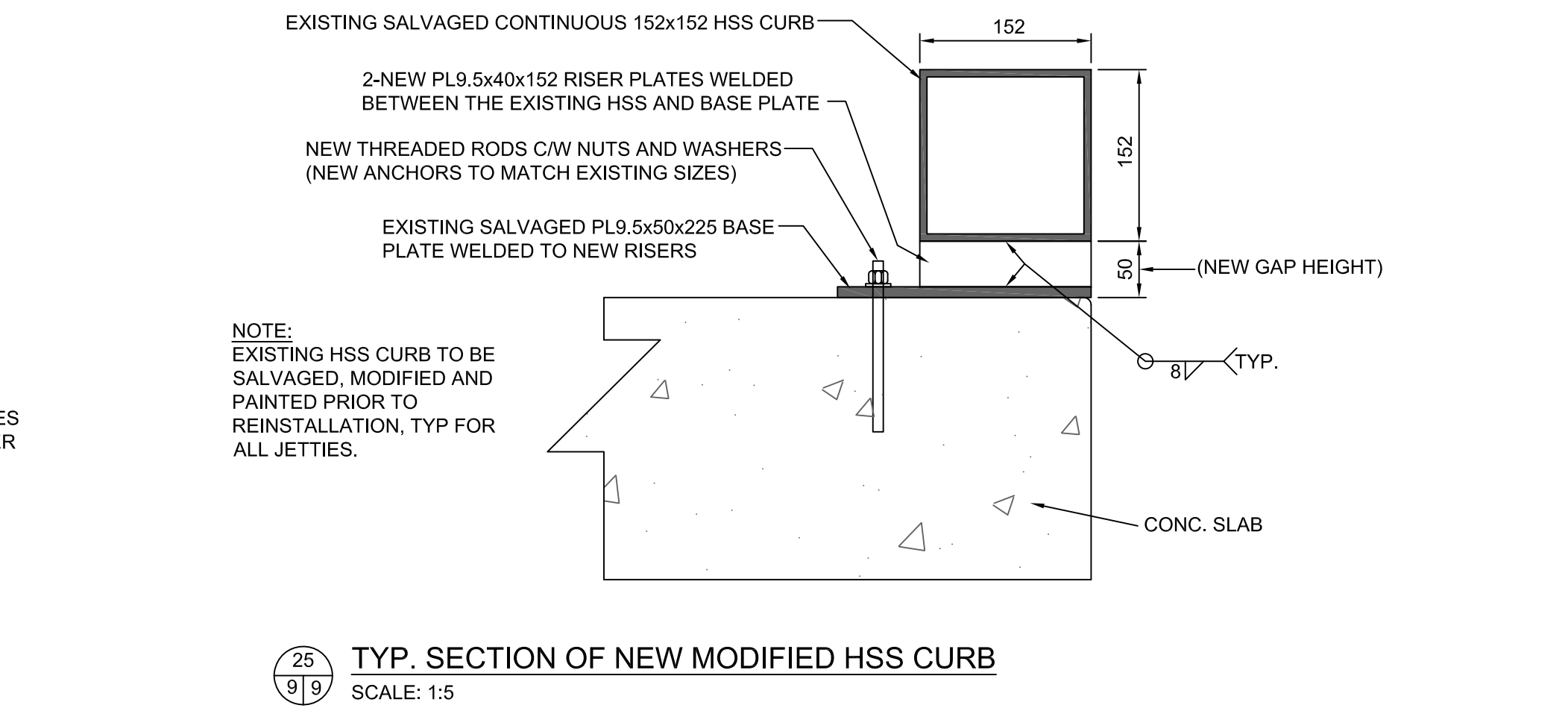
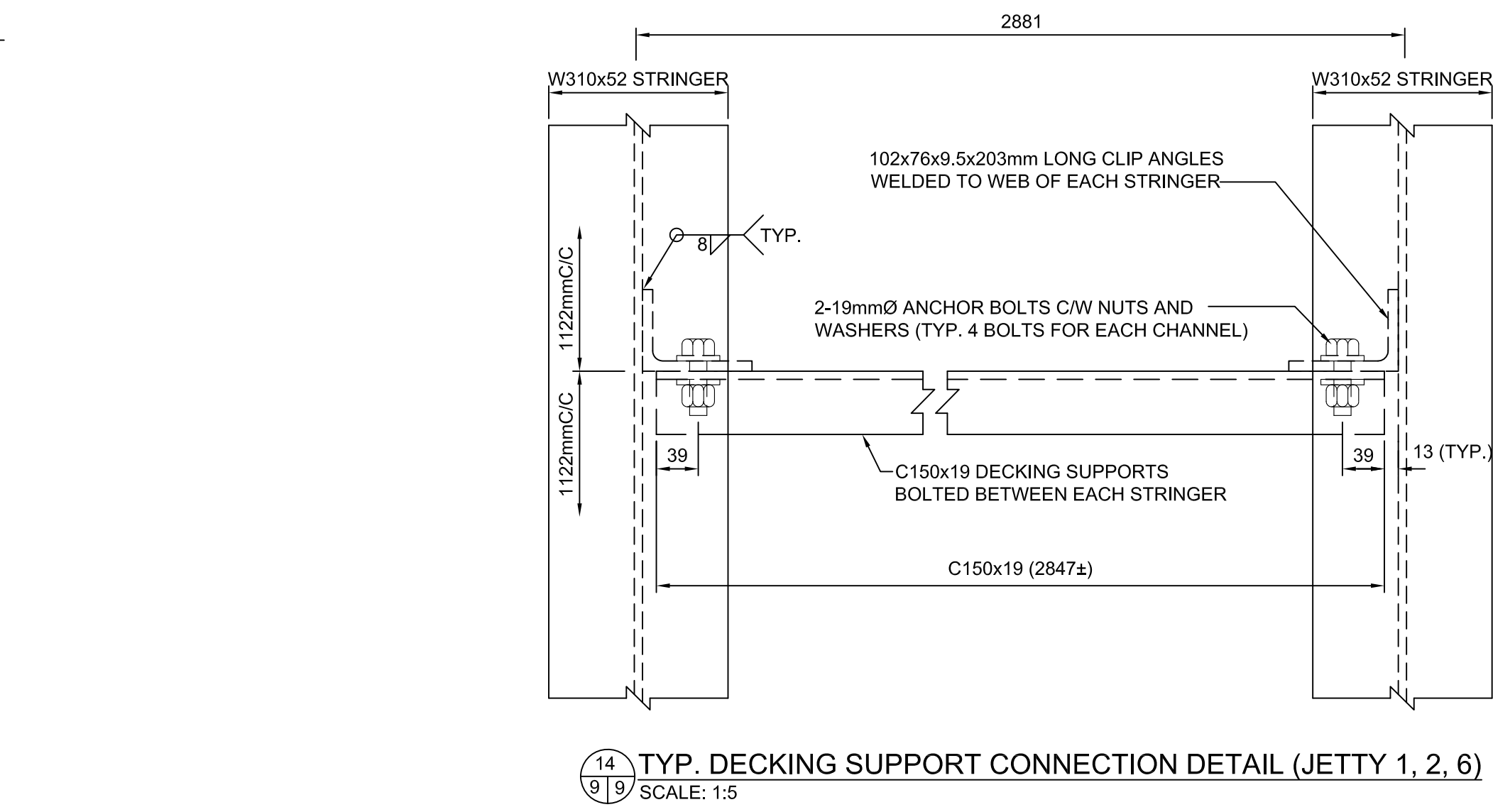
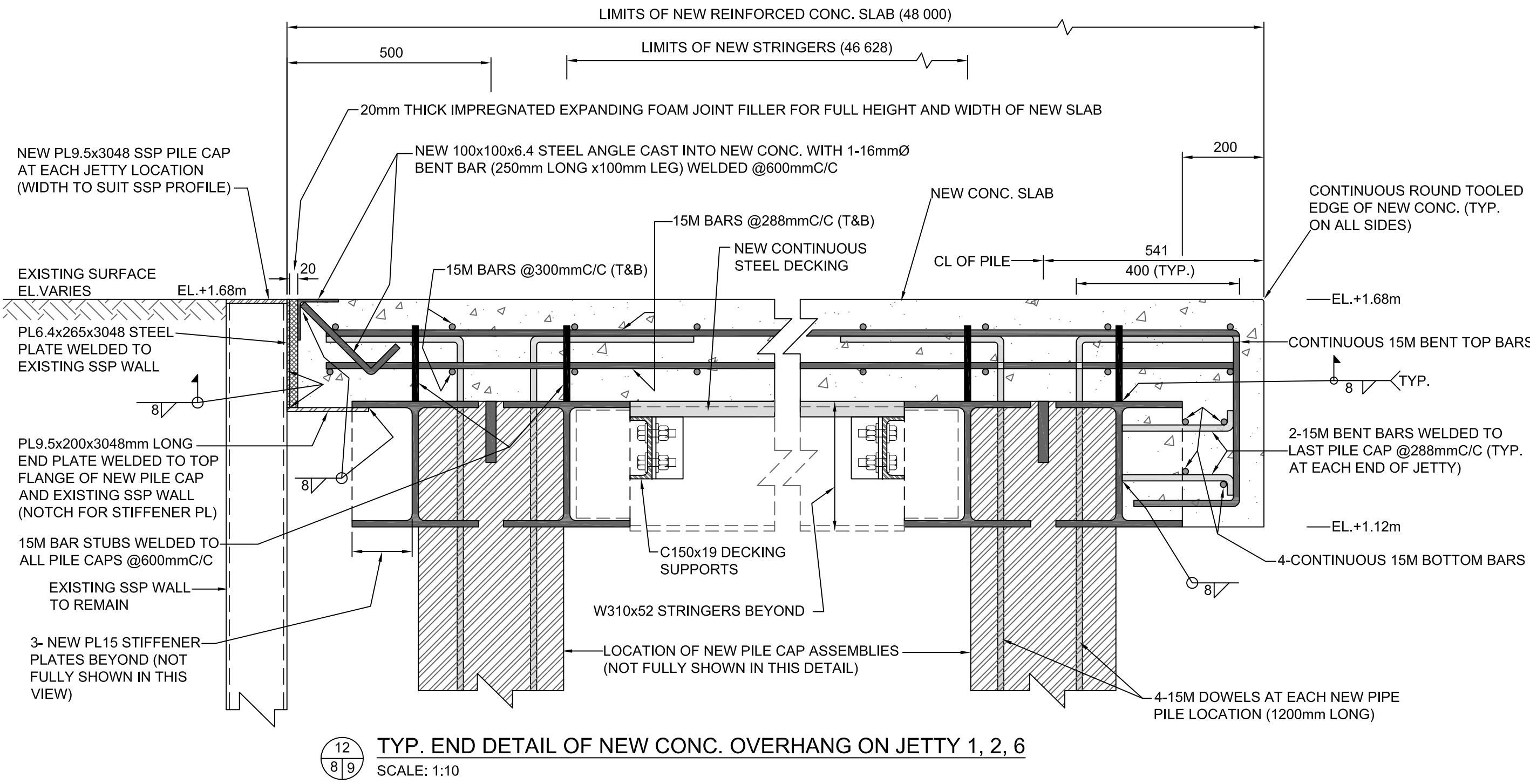
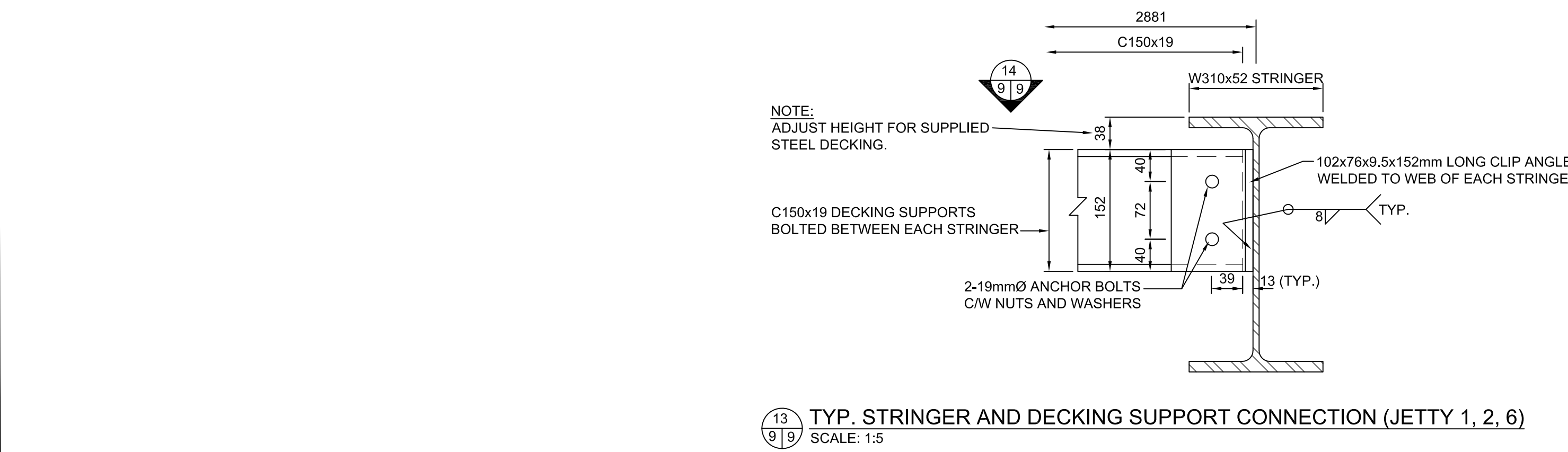
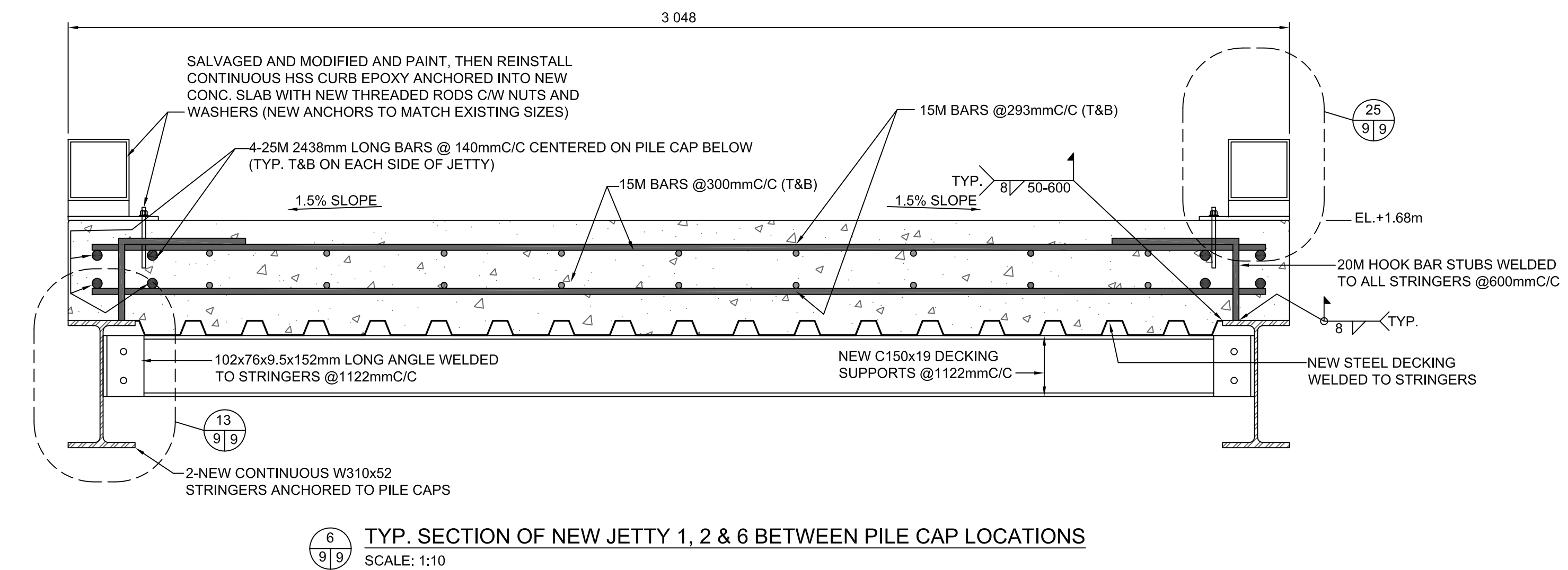
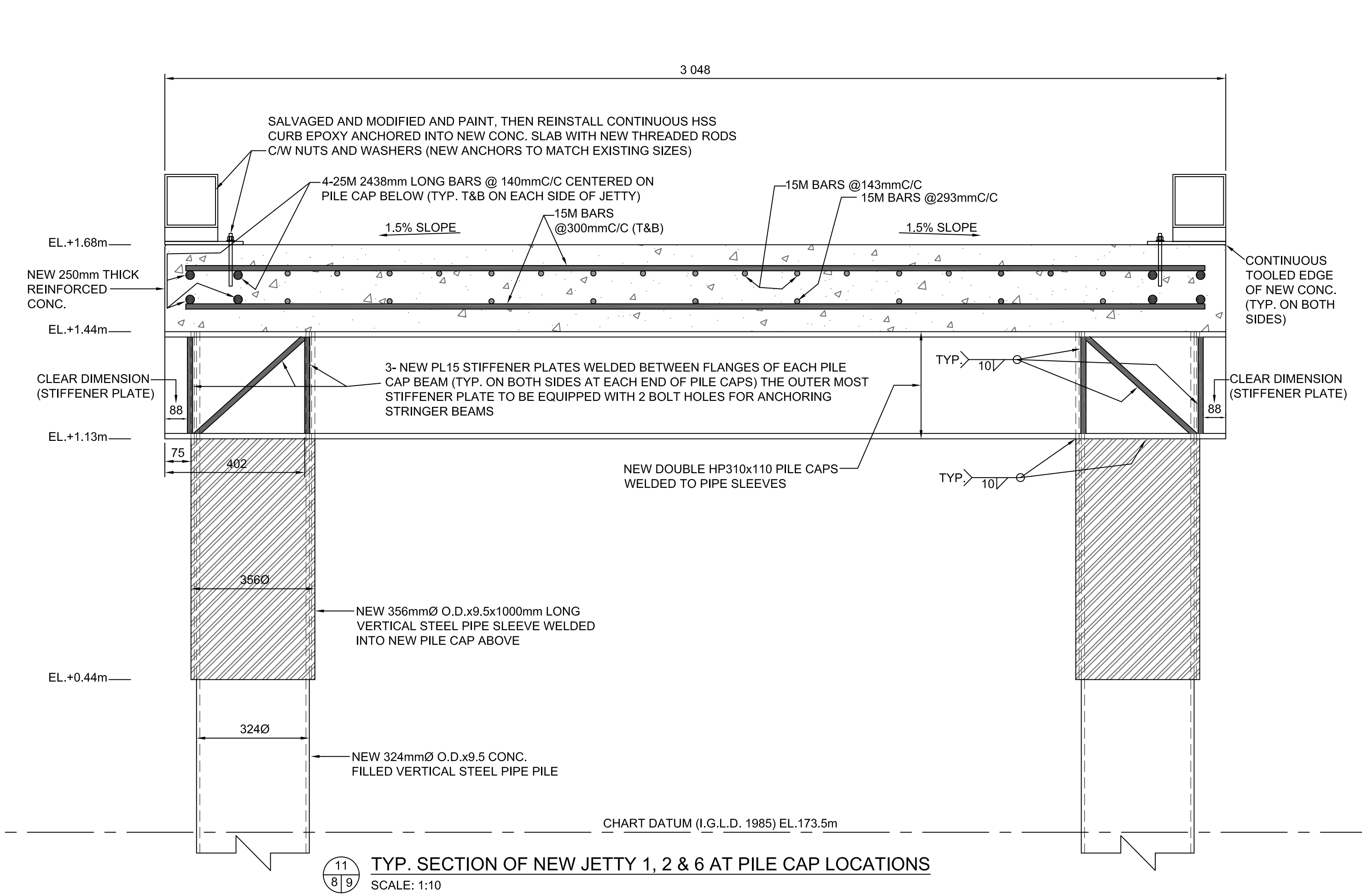
PROJECT:
RONDEAU (ERIEAU) FISHERMAN'S BASIN JETTY REHABILITATION

DESCRIPTION:
TYP. DETAILS FOR JETTY #1, 2 & 6

DRAWN:	APPROVED:
AM	P.L.
DATE:	DATE:
2018-03-31	2018-03-31

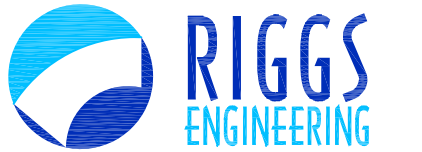
LOCATION:
RONDEAU (ERIEAU) ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-09	720991





SMALL CRAFT HARBOURS  
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3 drawing no. - where detailed refers to MA-

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:

**RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION**

DESCRIPTION:

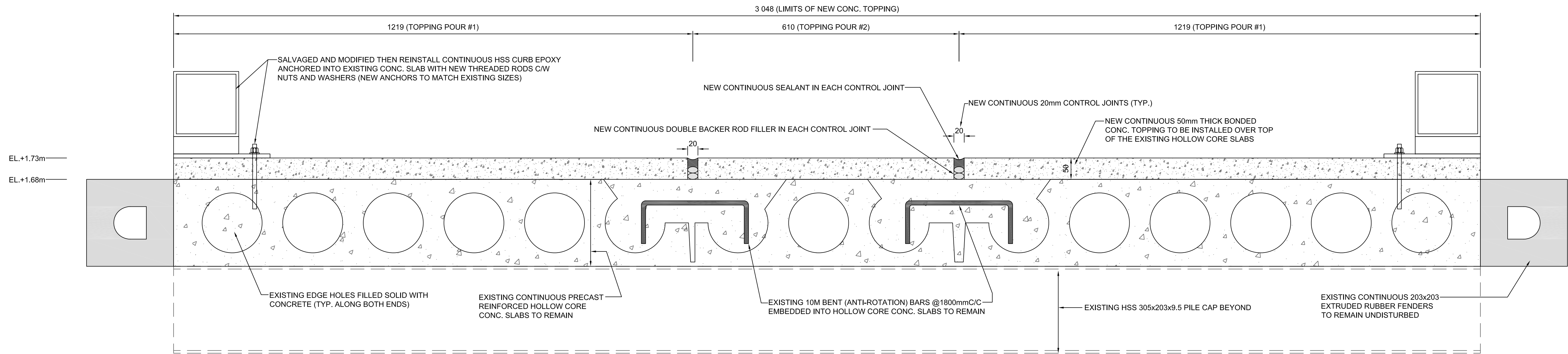
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DRAWN:	APPROVED:
AM	P.L.
DATE:	DATE:
2018-03-31	2018-03-31

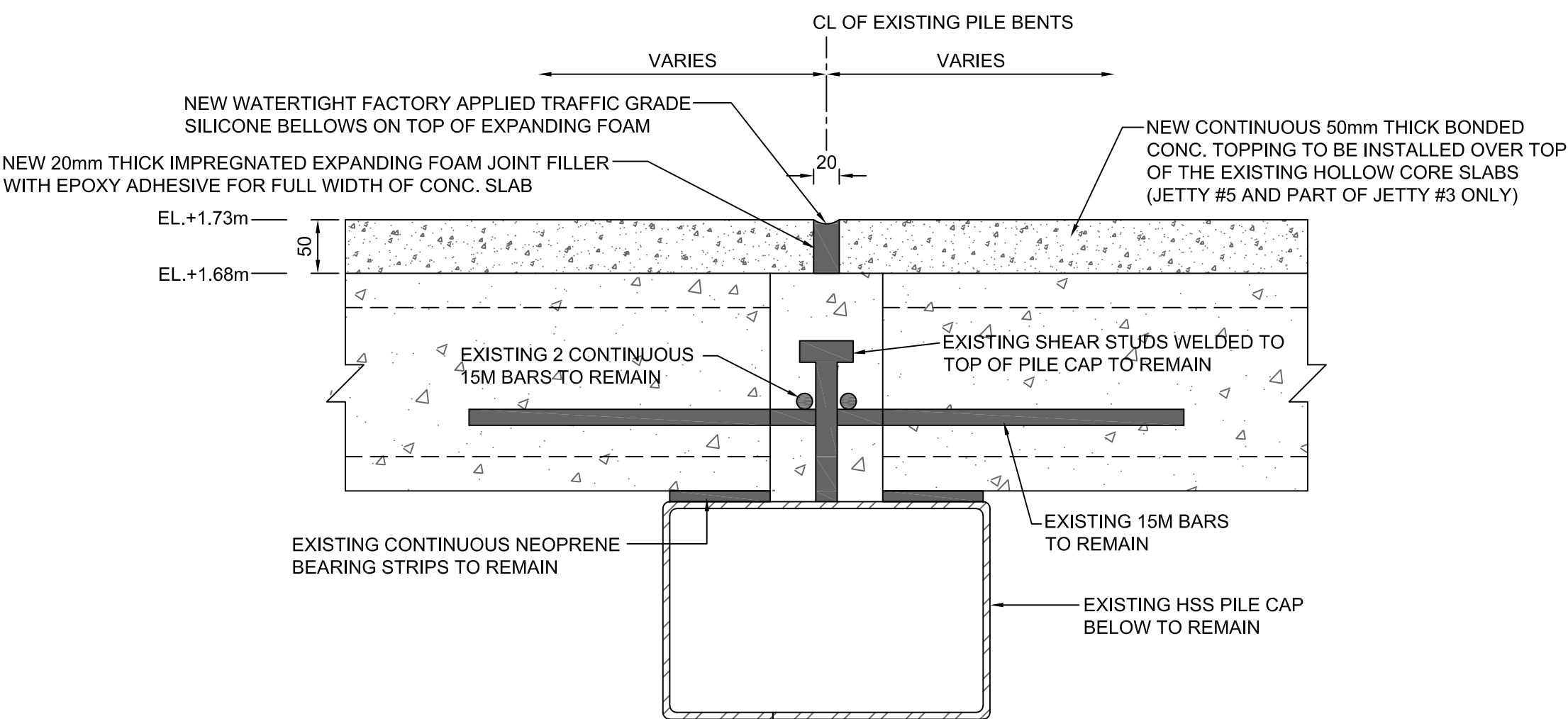
LOCATION:

**RONDEAU (ERIEAU)  
ONTARIO**

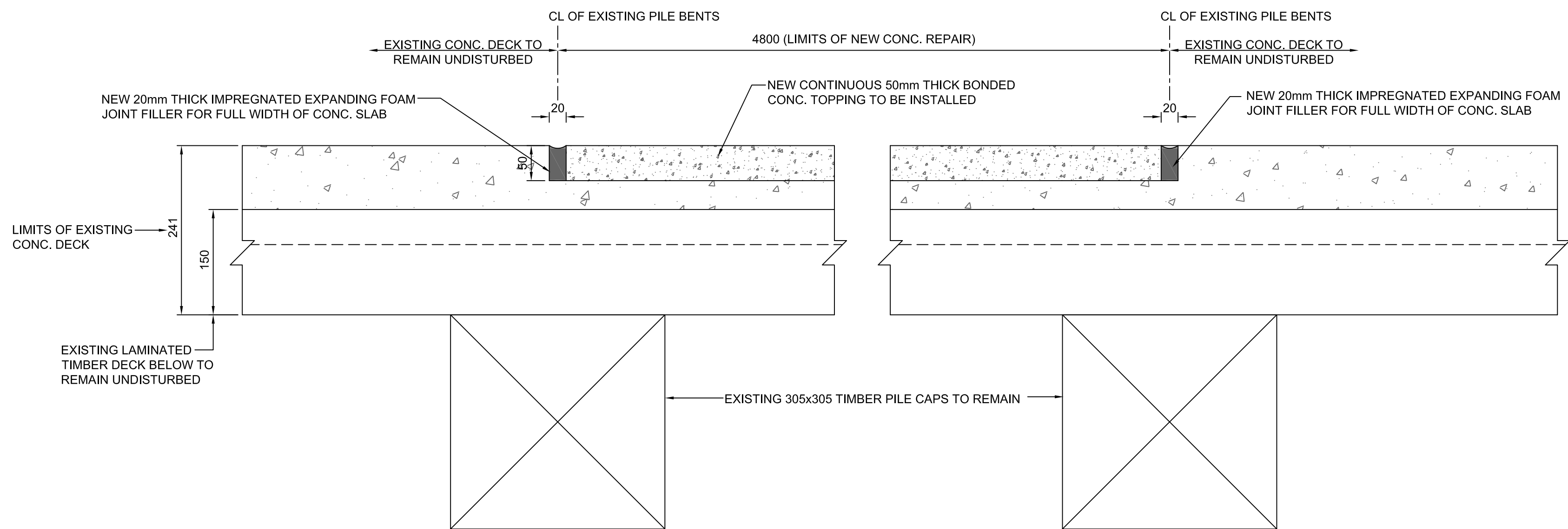
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MA-10	720991



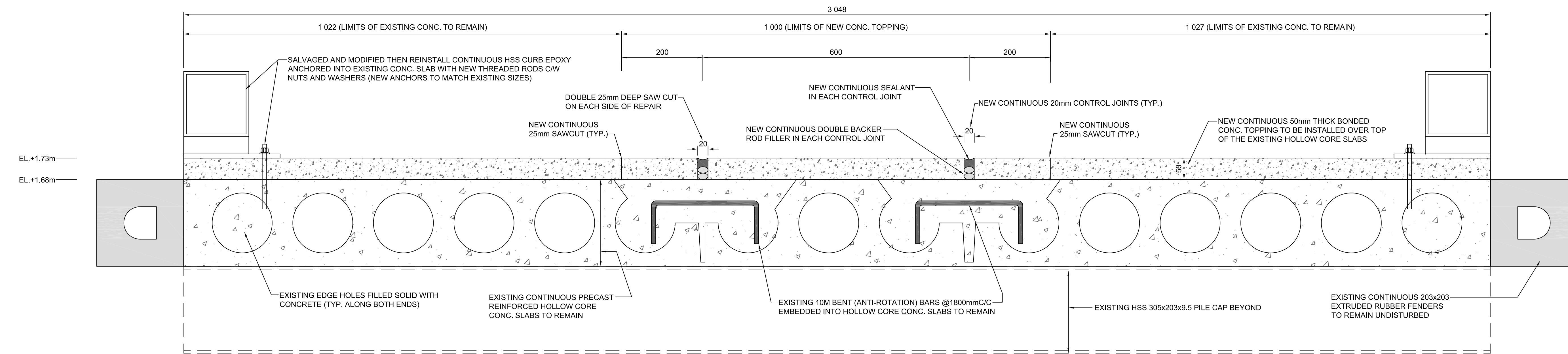
19  
6/10 TYP. SECTION OF NEW CONC. TOPPING AND LONGITUDINAL CONTROL JOINTS FOR JETTY 5 & PART OF JETTY 3  
SCALE: 1:5



20  
6/10 TYP. SECTION OF NEW TRANSVERSE CONTROL JOINTS FOR JETTY 3, & 5  
SCALE: 1:5

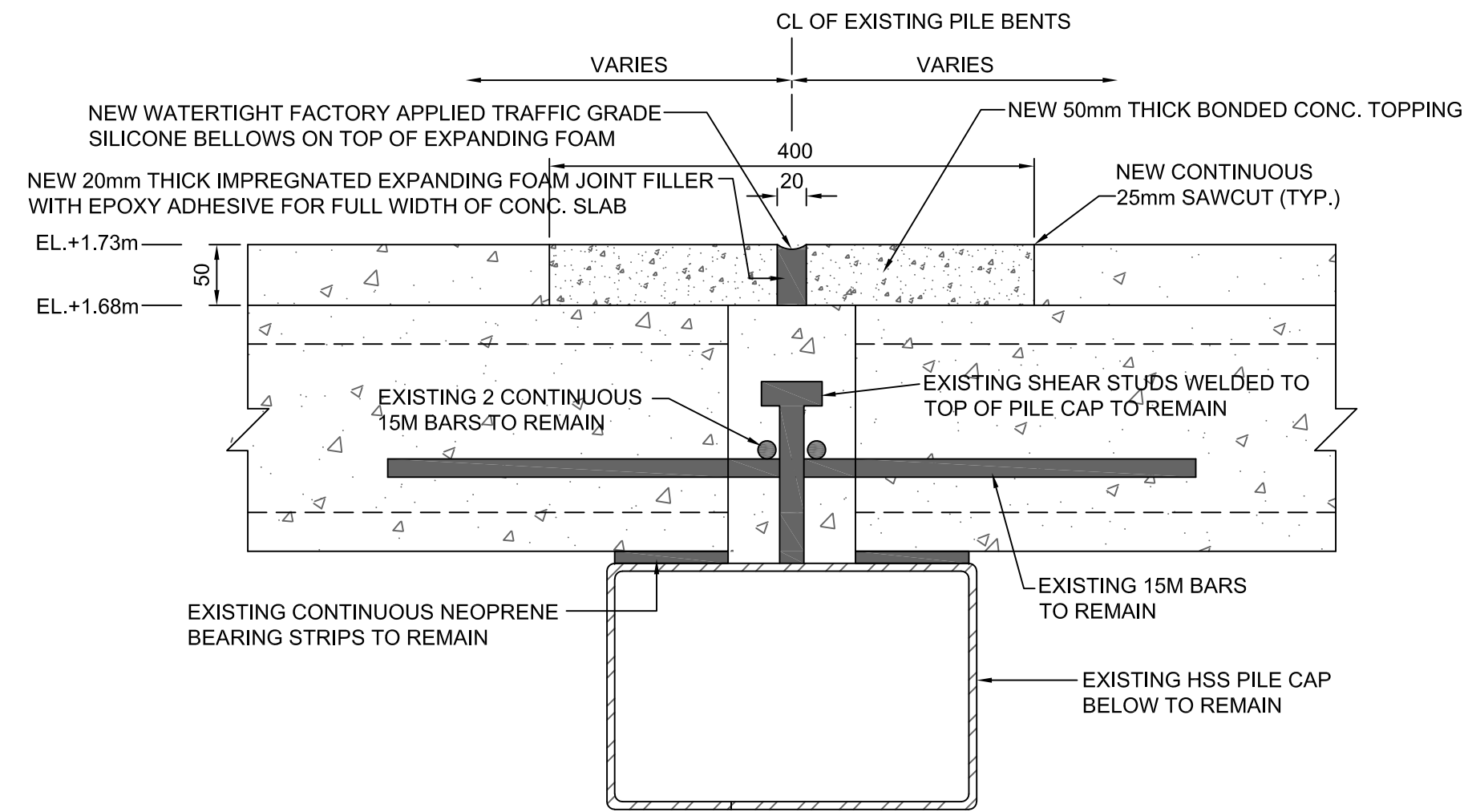


22  
5/10 TYP. SECTION OF NEW CONC. TOPPING FOR JETTY 7  
SCALE: 1:5

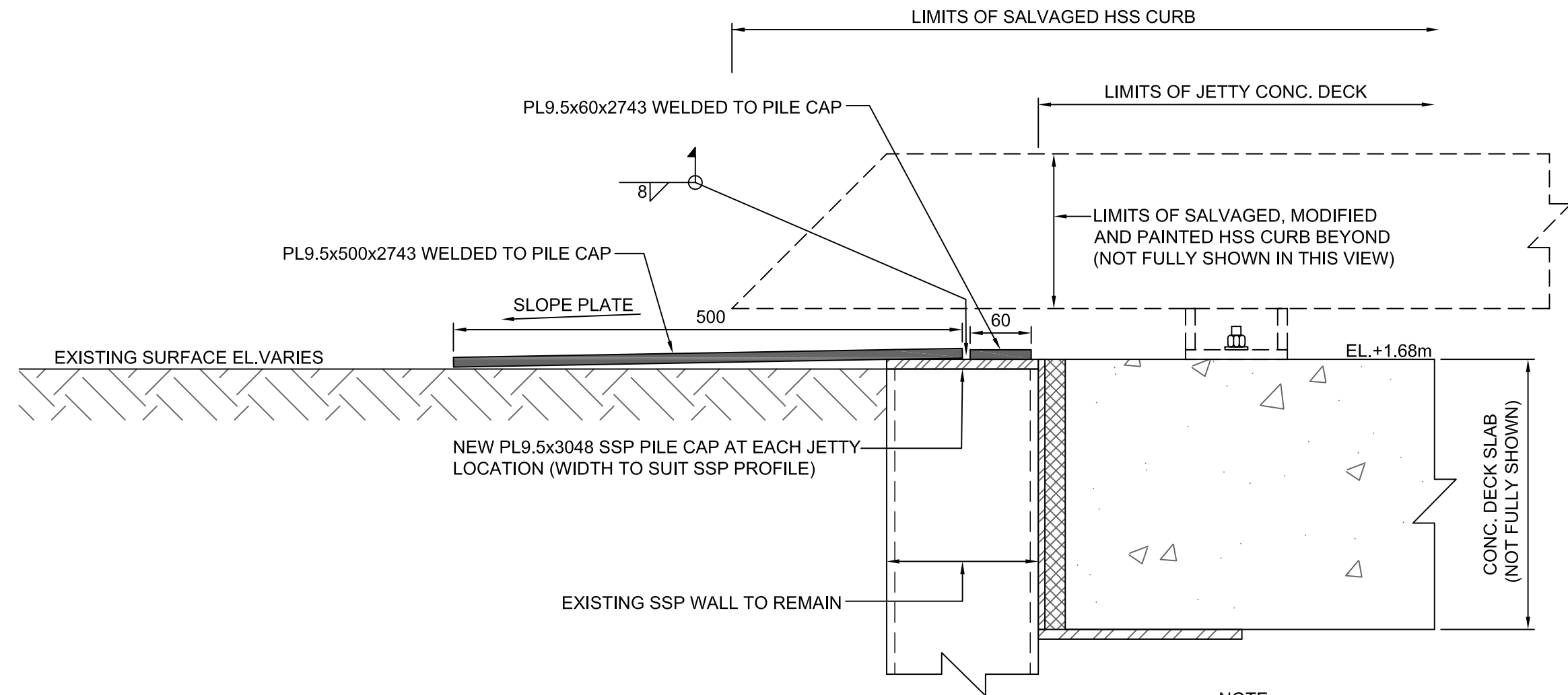


21  
6/10 TYP. SECTION OF NEW CONC. TOPPING AND LONGITUDINAL CONTROL JOINTS FOR JETTY 3  
SCALE: 1:5





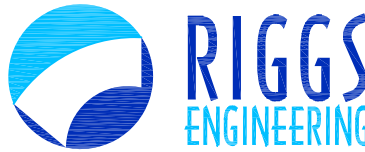
23  
6 11 TYP. SECTION OF NEW TRANSVERSE CONTROL JOINTS FOR JETTY 3 & 4  
SCALE: 1:5



24  
6 11 TYP. TRANSITION PLATE CONNECTION DETAIL (JETTY 1, 2, 3, 4, 5, 6, 7)  
SCALE: 1:5

NOTE:  
NEW STEEL ANGLE NOSING ON JETTY #1, 2 & 6 IS NOT SHOWN IN THIS VIEW.

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- 1 Detail No.  
2 drawing no. - where detail required refers to MA-  
3 drawing no. - where detailed refers to MA-

Stamp:



NOTES:

REVISIONS:	DATE:

SCALE:	CLASS:
AS NOTED	

PROJECT:

RONDEAU (ERIEAU)  
FISHERMAN'S BASIN  
JETTY REHABILITATION

DESCRIPTION:

TYP. DETAILS

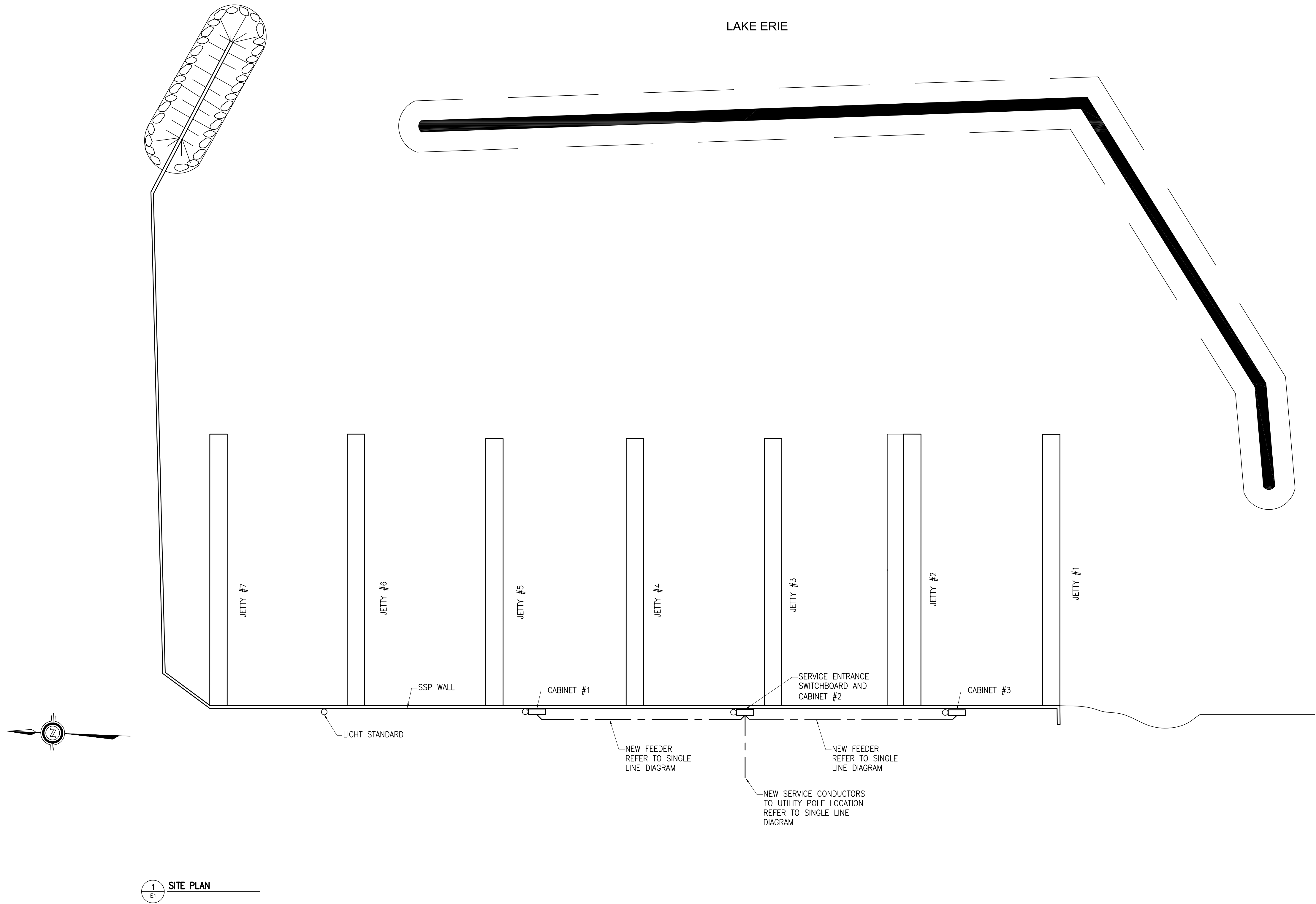
DRAWN:	APPROVED:
AM	P.L.
DATE:	DATE:
2018-03-31	2018-03-31

LOCATION:

RONDEAU (ERIEAU)  
ONTARIO

DRAWING NO.:	LOCATOR CODE:
MA-11	720991

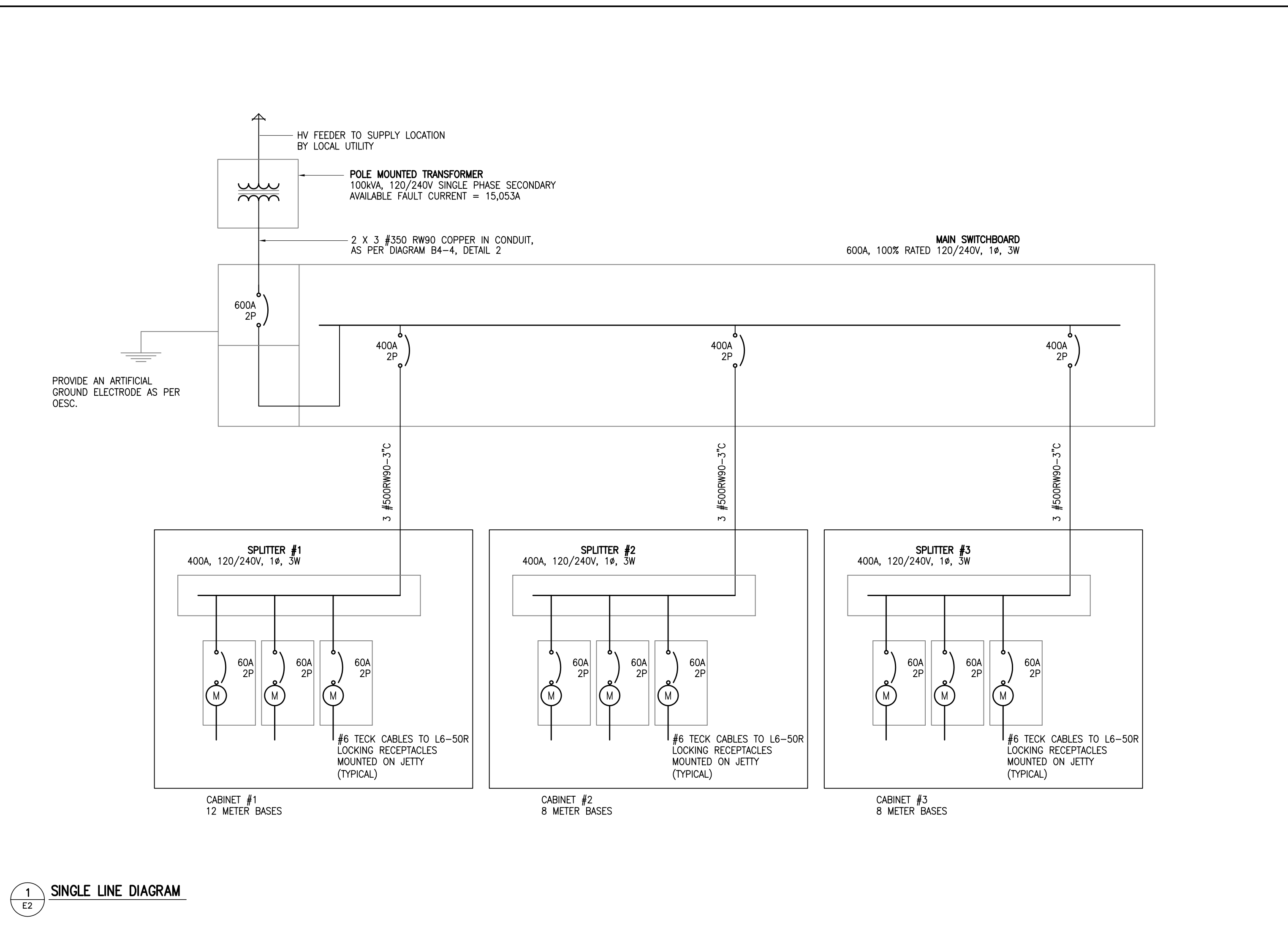




INFORMATION ONLY

DO NOT SCALE THE DRAWING THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE SITE CONDITIONS AND REPORT ANY ERRORS OR OMISSIONS TO THE ENGINEER THE CONTENTS OF THIS DRAWING REMAINS THE SOLE PROPERTY OF INTEGRATED ENGINEERING		ERIEAU HARBOUR ELECTRICAL UPGRADE ERIEAU ONTARIO		SCALE: AS SHOWN
11.03.31		ISSUED FOR CONSTRUCTION		FILE: 4546
NO		DATE		DESIGN: TT
		DESCRIPTION		DATE: MAR 2011
		REVISIONS		DRAWN: TT
				CHKD: TT
				E1





SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING FIXTURE (SURFACE)
	FLUORESCENT LIGHTING FIXTURE (RECESSED)
	INCANDESCENT/HID FIXTURE (WALL MOUNTED)
	INCANDESCENT/HID LIGHTING FIXTURE (SURFACE)
	INCANDESCENT/HID LIGHTING FIXTURE (RECESSED)
	15A, 120V, 1P LIGHT SWITCH
	15A, 120V, 3-WAY LIGHT SWITCH
	1000V, 120V, 1-POLE SLIDE DIMMER
<b>POWER</b>	
	15A, 120V, DUPLEX RECEPTACLE
	15/20A, 120V, 2-SLOT DUPLEX RECEPTACLE
	SPLIT, 15A, 120V, DUPLEX RECEPTACLE
	DOUBLE 15A, 120V, DUPLEX RECEPTACLE
	15A, 120V, DUPLEX RECEPTACLE
	15/20A, 120V, 1-SLOT or DUPLEX RECEPTACLE
	15A, 120V, RP DUPLEX RECEPTACLE
	SINGLE RECEPTACLE, RATING AS NOTED
	POWER CONNECTION TO EQUIPMENT
<b>EMERGENCY AND EXIT LIGHTING</b>	
	REMOTE RECESSED LIGHTING HEAD
	REMOTE ZONE SURFACE LIGHTING HEAD (CEILING/WALL MOUNTED)
	REMOTE SINGLE SURFACE LIGHTING HEAD (CEILING/WALL MOUNTED)
	EXIT SIGN (CLC WTD) – HATCHING INDICATES ILLUMINATED FACE
	EXIT SIGN (WALL MTD)
	COMBINATION EXIT/EMERGENCY LIGHTING UNIT
	EMERGENCY LIGHTING BATTERY UNIT
<b>COMMUNICATIONS</b>	
	TELEPHONE/DATA CONNECTION TO EQUIPMENT
	TELEPHONE OUTLET, WALL MOUNTED
	DATA OUTLET, WALL MOUNTED
	TELEPHONE/DATA OUTLET, WALL MOUNTED
<b>FIRE ALARM</b>	
	FIRE ALARM SIGNAL HORN c/w STROBE
	MANUAL PULL STATION
	HEAT DETECTOR (HFC)
	HEAT DETECTOR (STC & ROR)
	SYSTEM SMOKE DETECTOR
	SPRINKLER SYSTEM ALARM VALVE
	SPRINKLER SYSTEM SUPERVISORY VALVE
	120V SMOKE ALARM
<b>MOTOR CONTROL</b>	
	MOTOR OPERATOR, RATING AS NOTED
	MAGNETIC STARTERS, RATING AS NOTED
	DISCONNECT SWITCH, RATING AS NOTED
<b>EQUIPMENT</b>	
	PANEL OR EQUIPMENT AS NOTED
	BASEBOARD HEATER, RATING AS NOTED
	MOTOR/AUTORIZED EQUIPMENT (EG., EXHAUST FAN)
	FORCE FLOW HEADER (WALL MTD)
<b>ABBREVIATIONS</b>	
WM	WALL MOUNTED
C	OVER-COUNTER MOUNTED
WP	WEATHER PROOF

**ELECTRICAL LEGEND**

THIS IS A STANDARD LEGEND. NOT ALL SYMBOLS MAY APPEAR ON THE DRAWINGS.