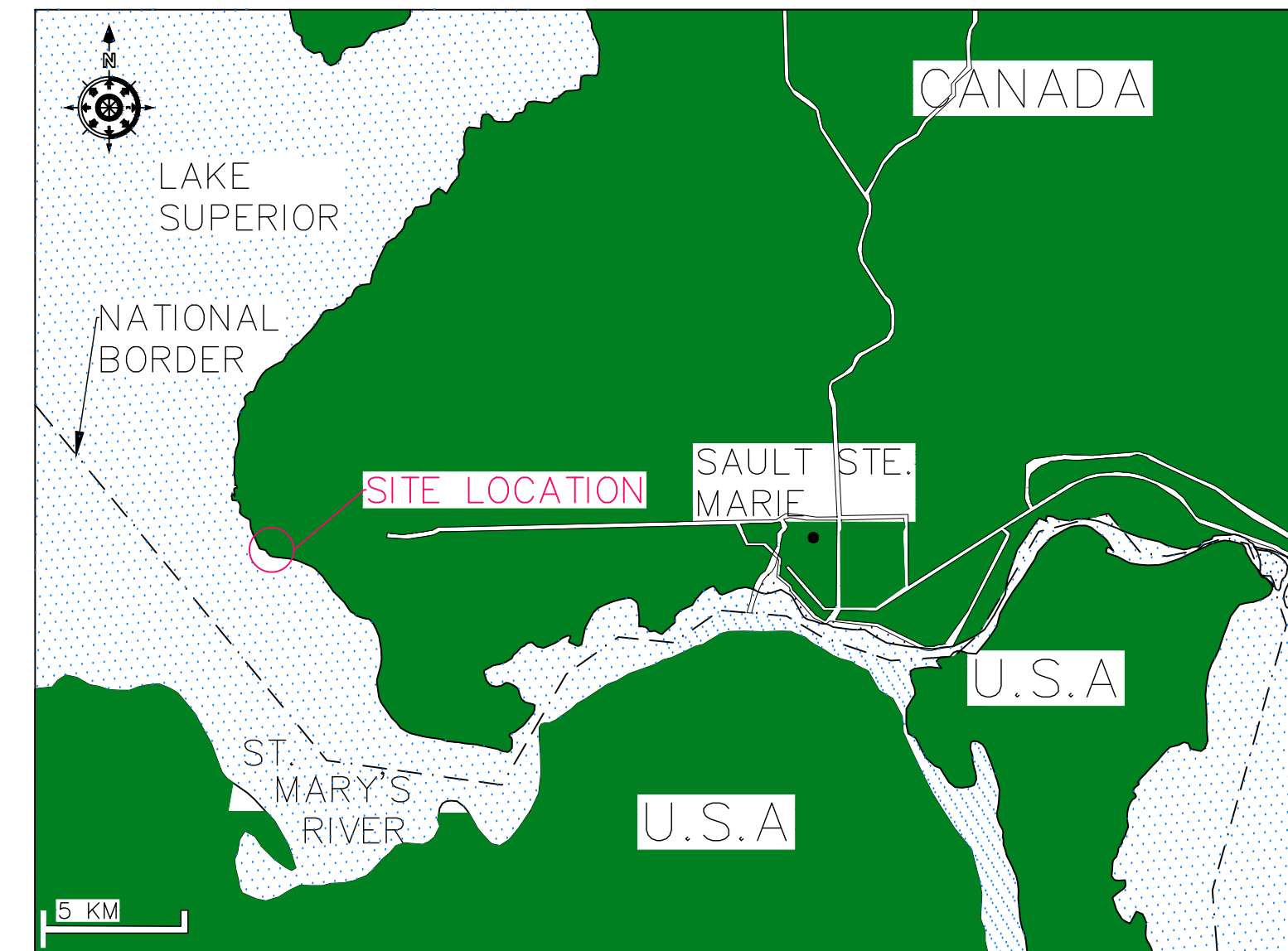
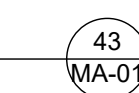


EXISTING GROS CAP HARBOUR SITE PLAN  
SCALE: 1:250



KEY PLAN  
SCALE: NTS



SMALL CRAFT HARBOURS  
CENTRAL AND ARCTIC REGION



- NOTES:
- ALL SOUNDINGS ARE SHOWN IN METERS BELOW CHART DATUM.
  - SOUNDINGS ARE UPDATED AS OF JULY 6, 2021
  - CHART DATUM FOR LAKE SUPERIOR IS 183.2m ABOVE SEA LEVEL.
  - WATER LEVEL AT THE TIME OF SURVEY WAS +0.38 ABOVE CHART DATUM
  - COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 17, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83)
  - ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED

**LEGEND**

- PROJECT BASELINE
- FEDERAL PROPERTY LIMITS
- EXISTING SITE BENCHMARK
- SOUNDING DEPTH BELOW CHART DATUM
- LIMITS OF STAGING AREA

**BENCHMARK INFO**  
 GEODETIC SURVEY CANADA  
 BRONZE TABLET SET IN CONCRETE  
 HORIZONTAL DATUM: UTM NAD83 ZONE 16 NORTH  
 N 515525.911  
 E 685413.806  
 ELEVATION: 184.300m CGVD28

REVISIONS:

3 FOR TENDER	AUG '21	V,P
2 DESIGN DEV	MAR '20	RS
1 PRELIMINARY	MAY '18	LM

SCALE: VARIES CLASS:

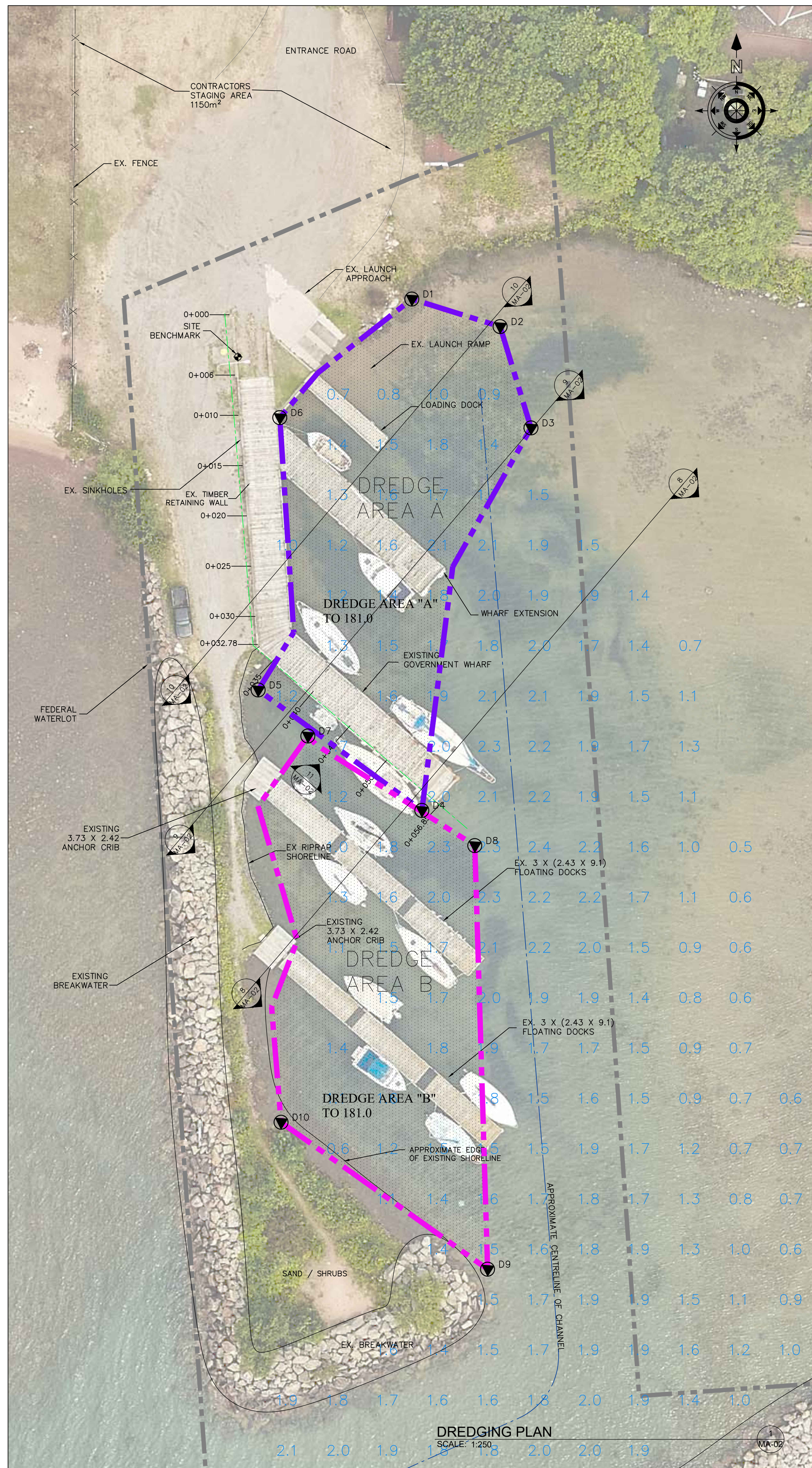
PROJECT:  
 GROS CAP  
 TIMBER WHARF  
 REHABILITATION

DESCRIPTION:  
 EXISTING SITE PLAN

DRAWN: V.P	APPROVED: M.M
August 2021	DATE:

LOCATION:  
 GROS CAP, ON

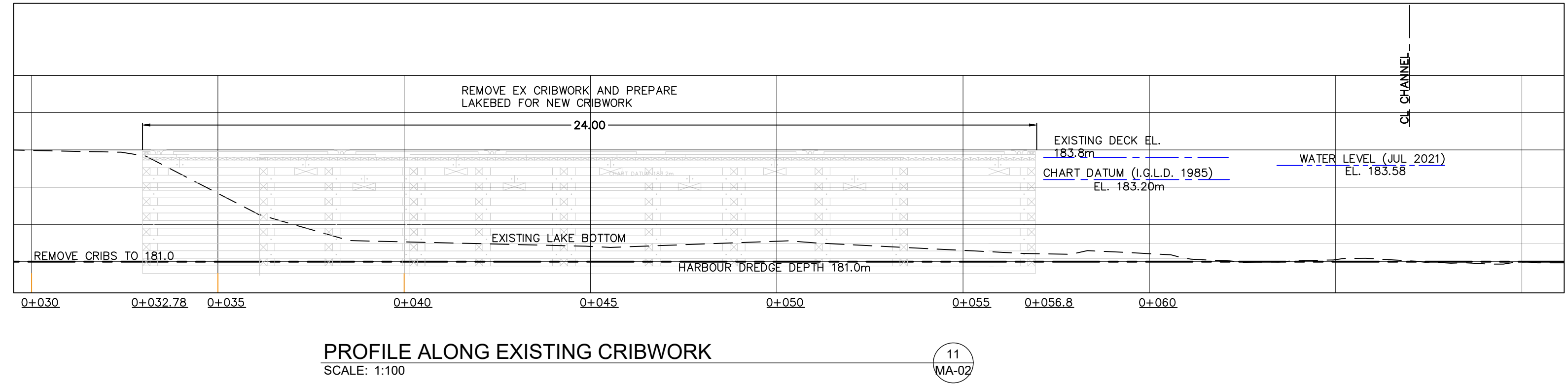
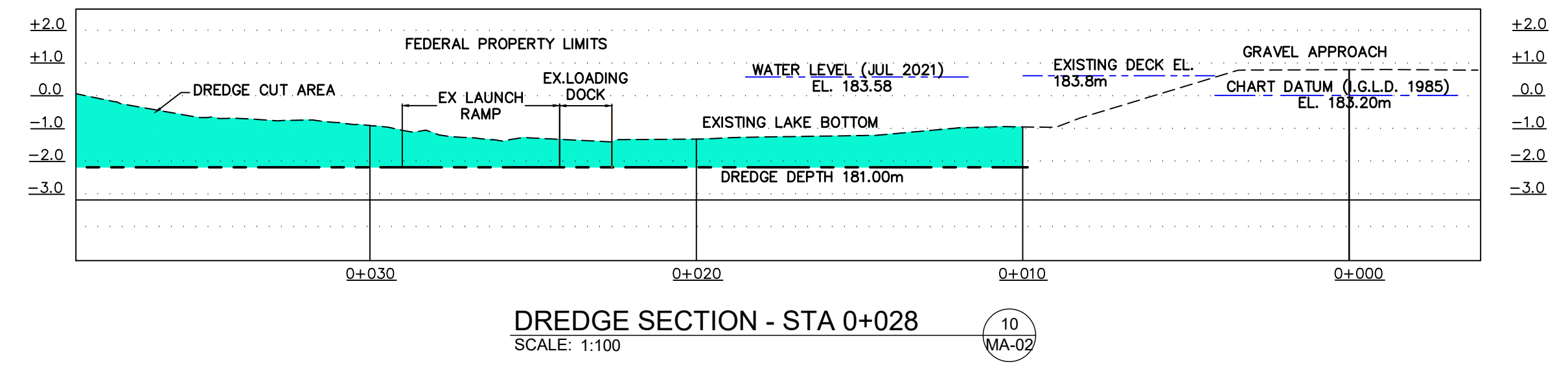
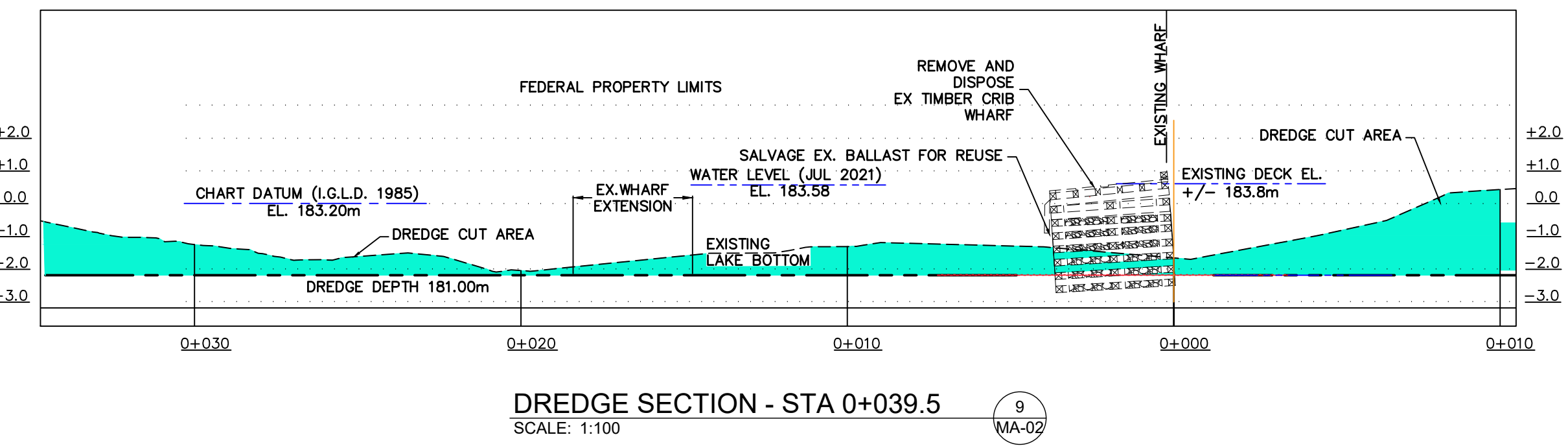
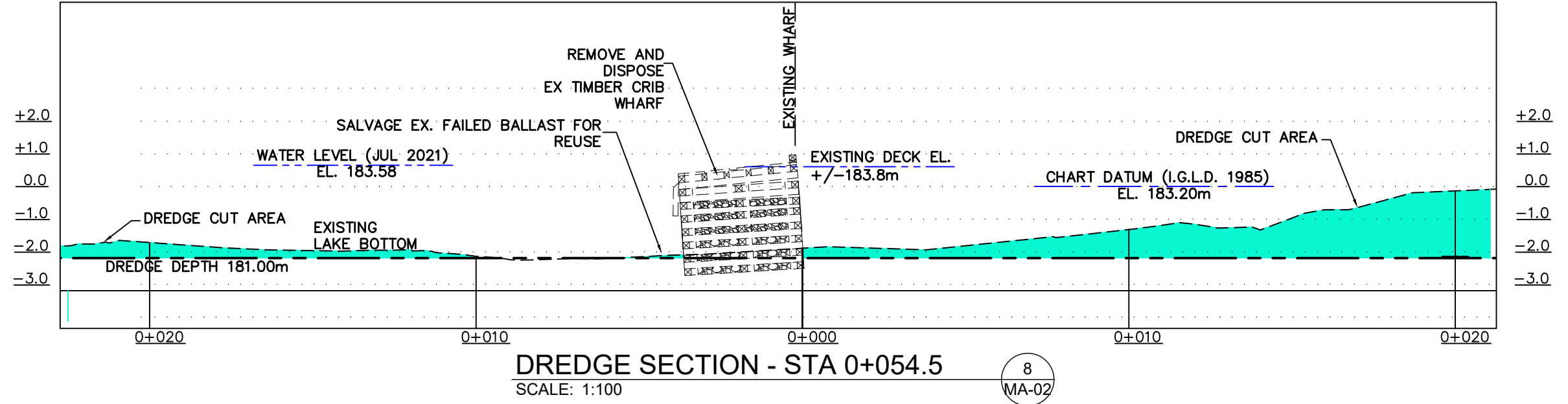
DRAWING NO.: MA-01	LOCATOR CODE: 4639
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DREDGE AREA "A" CONTROL POINTS		
MARK	EASTING	NORTHING
D1	E 685 431.358	N 5 155 529.670
D2	F 685 440.133	N 5 155 526.932
D3	F 685 443.206	N 5 155 516.858
D4	F 685 432.356	N 5 155 478.834
D5	F 685 416.079	N 5 155 490.805
D6	F 685 418.230	N 5 155 517.879

DREDGE AREA "B" CONTROL POINTS		
MARK	EASTING	NORTHING
D7	E 685 421.019	N 5 155 486.226
D8	F 685 437.617	N 5 155 475.335
D9	F 685 438.889	N 5 155 433.219
D10	F 685 418.355	N 5 155 447.831

DREDGE AREA	DREDGE AREA STATISTICS		APPROXIMATE VOLUME
	GRADE DEPTH	AREA	CLASS B
Area A	2.2m	799m <sup>2</sup>	888 CMPM
Area B	2.2m	811m <sup>2</sup>	728 CMPM



**DESCRIPTION OF WORK**

- TIMBER WHARF DEMOLITION AND HARBOUR DREDGING**
- REMOVALS SHALL INCLUDE ALL WORK AS DESCRIBED ON D-01. REMOVALS SHALL INCLUDE, BUT NOT BE LIMITED TO:
    - REMOVAL AND DISPOSAL OF CLASS "B" DREDGE MATERIAL FROM THE LIMITS OF AREA "A", KEEPING 1.0m AWAY FROM ALL WHARF FACES.
    - REMOVAL AND DISPOSAL OF THE DESIGNATED AREAS OF THE EXISTING TIMBER CRIB WHARF AND TIMBER LOADING DOCK
    - EXISTING CRIB BALLAST TO BE SALVAGED FOR REUSE AFTER REMOVAL OF CRIBWORK.
  - THE WORK TO BE DONE BY THE CONTRACTOR UNDER THIS CONTRACT SHALL INCLUDE THE FURNISHING OF ALL SUPERINTENDENCE, OVERHEAD, LABOUR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, INSURANCE, AND ALL THINGS NECESSARY FOR AND INCIDENTAL TO THE SATISFACTORY PERFORMANCE OF ALL WORK SPECIFIED HEREIN. ALL WORK IS TO BE DONE IN ACCORDANCE WITH DETAILS SHOWN ON THE ACCOMPANYING PLANS AS SPECIFIED HEREIN.

**SMALL CRAFT HARBOURS CENTRAL AND ARCTIC REGION**



- NOTES:**
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  - SOUNDINGS ARE UPDATED AS OF JULY 6, 2021
  - CHART DATUM FOR LAKE SUPERIOR IS 183.2m ABOVE SEA LEVEL.
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  - COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 17, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83)
  - ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED

**LEGEND**

- PROJECT BASELINE
- DREDGE CONTROL POINT
- FEDERAL PROPERTY LIMITS
- EXISTING SITE BENCHMARK
- PROPOSED DREDGING LIMITS
- SOUNDING DEPTH BELOW CHART DATUM

**BENCHMARK INFO**

GEODETIC SURVEY CANADA  
 BRONZE TABLET SET IN CONCRETE  
 HORIZONTAL DATUM: UTM NAD83 ZONE 16 NORTH  
 N 5155525.911  
 E 685413.806  
 ELEVATION: 184.300m CGVD28

**REVISIONS:**

3 FOR TENDER	AUG '21	VP
2 DESIGN DEV	MAR '20	RS
1 PRELIMINARY	MAY '18	LM

SCALE: VARIES CLASS:

**GROS CAP TIMBER WHARF REHABILITATION**

**DREDGING PLAN**

DRAWN: V.P APPROVED: M.M

AUGUST 2021 DATE:

LOCATION: GROS CAP, ON

DRAWING NO.: MA-02 LOCATOR CODE: 4639

SMALL CRAFT HARBOURS  
 CENTRAL AND ARCTIC REGION



- NOTES:
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  - WATER LEVEL AT THE TIME OF SURVEY WAS +0.38 ABOVE CHART DATUM
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  - ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED

- LEGEND
- PROJECT BASELINE
  - NEW SAFETY LADDERS
  - SALVAGED 460mm MOORING CLEAT
  - NEW 305mm MOORING CLEAT
  - WHARF REMOVALS
  - REMOVE AND REPLACE TIMBER DECKING
  - NEW 152x152x1524 TIMBER FENDER

BENCHMARK INFO  
 GEODETIC SURVEY CANADA  
 BRONZE TABLET SET IN CONCRETE  
 HORIZONTAL DATUM: UTM NAD83 ZONE 16 NORTH  
 N 5155525.911  
 E 685413.806  
 ELEVATION: 184.300m CGVD28

REVISIONS:	
3 FOR TENDER	AUG '21 VP
2 DESIGN DEV	MAR '20 RS
1 PRELIMINARY	MAY '18 LM

SCALE:	CLASS:
VARIES	

PROJECT:  
 GROS CAP  
 TIMBER WHARF  
 REHABILITATION

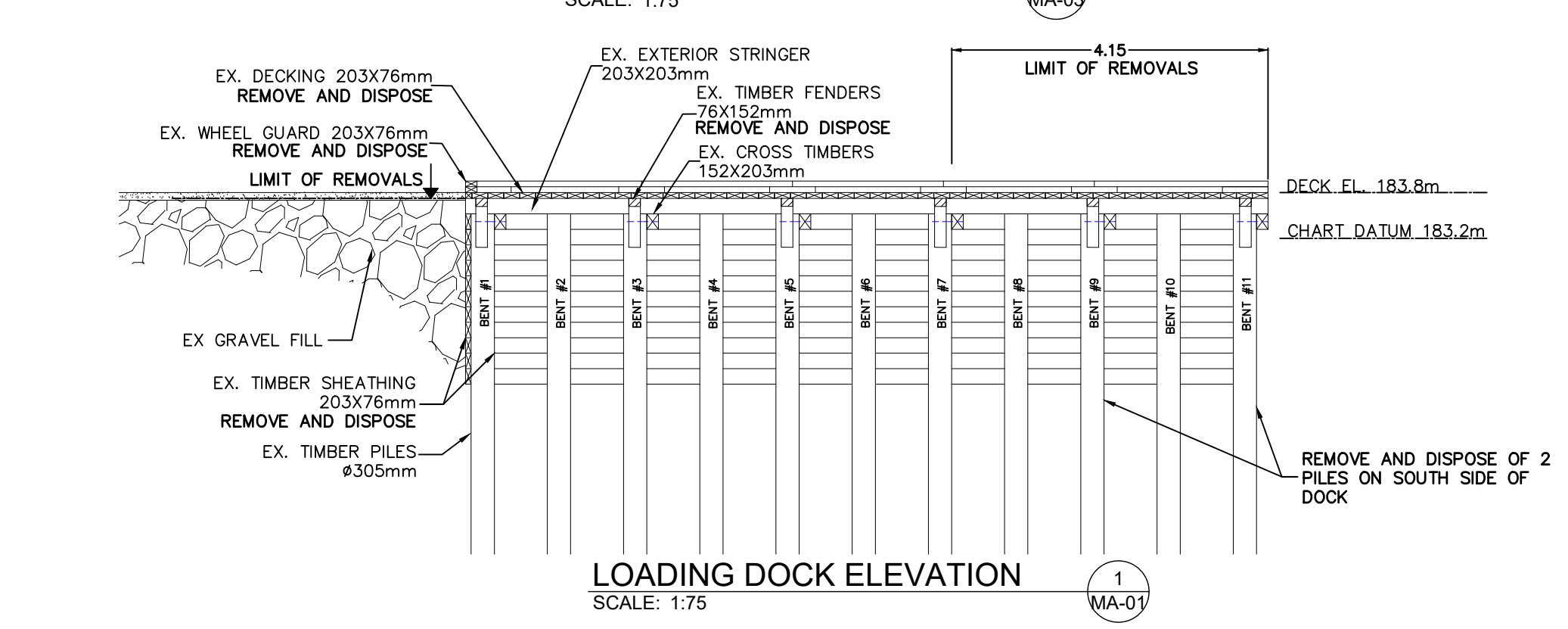
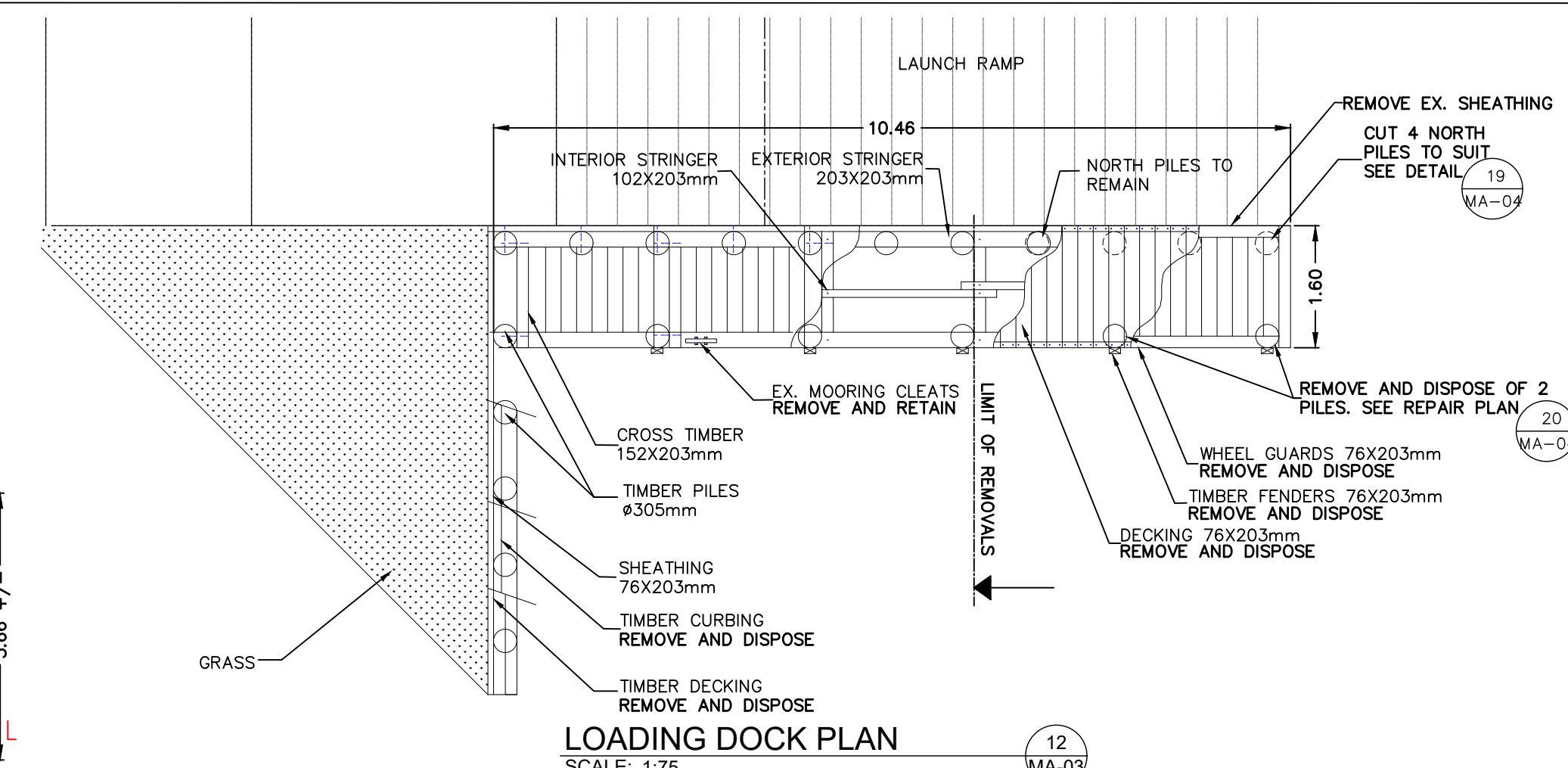
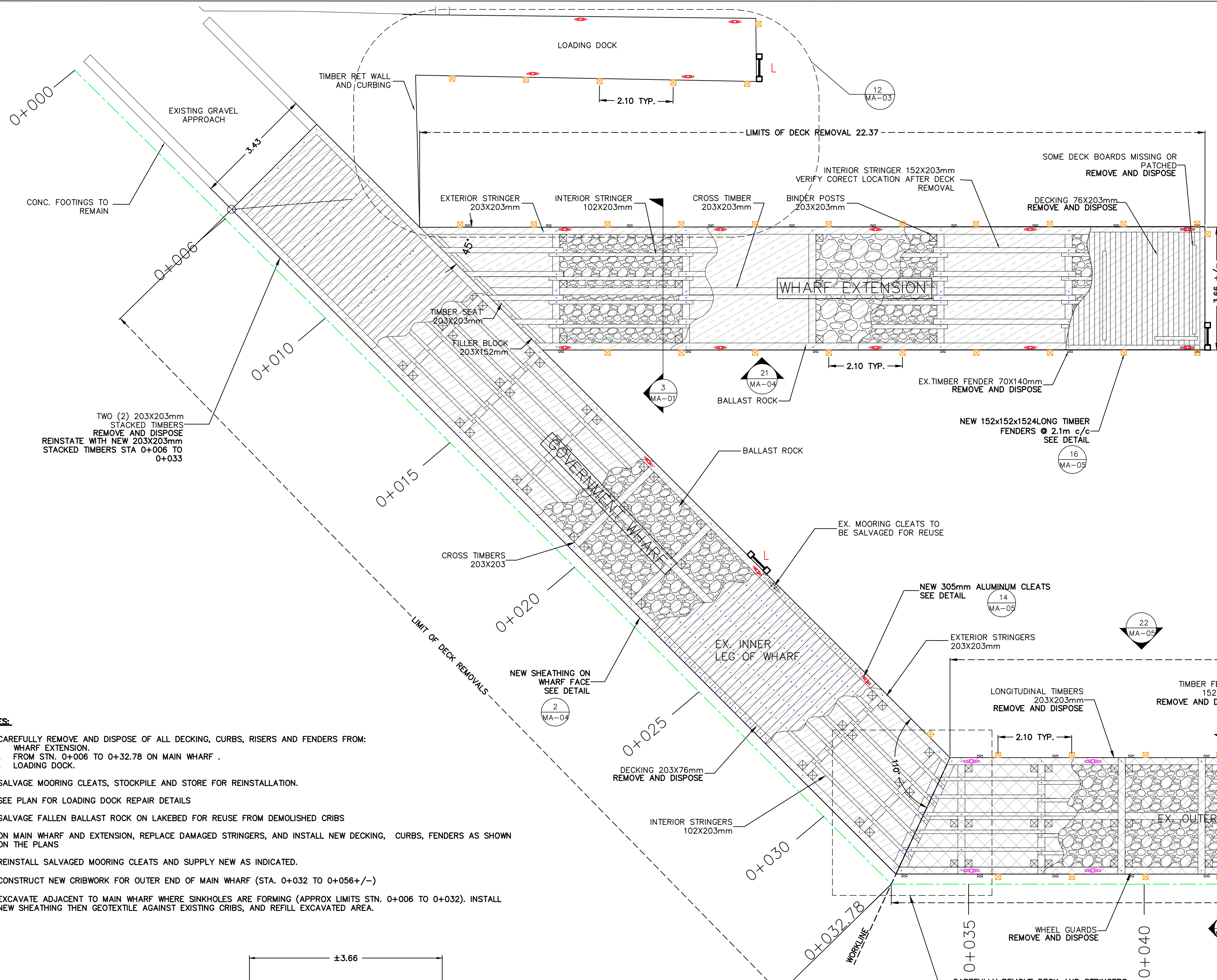
DESCRIPTION:  
 EXISTING CONDITIONS AND  
 REPAIR PLAN

DRAWN:	APPROVED:
VP	M.M

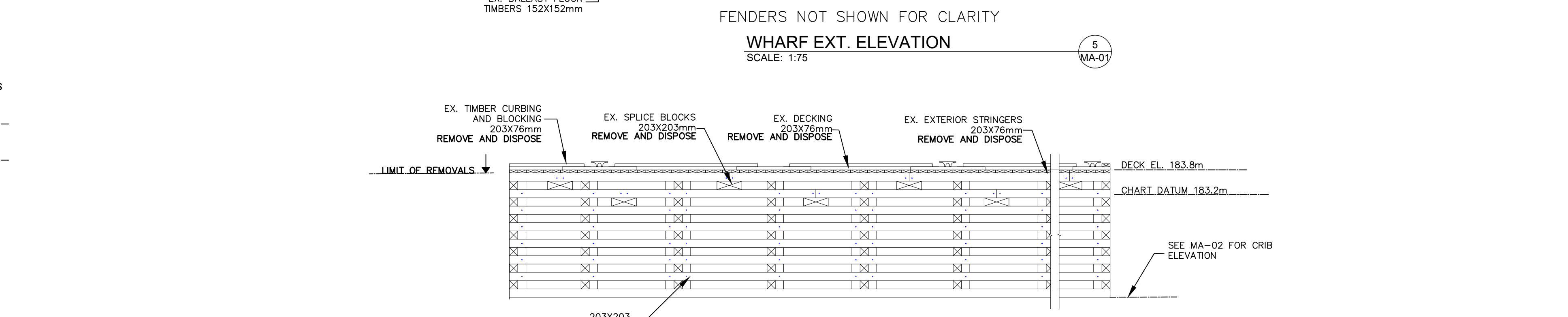
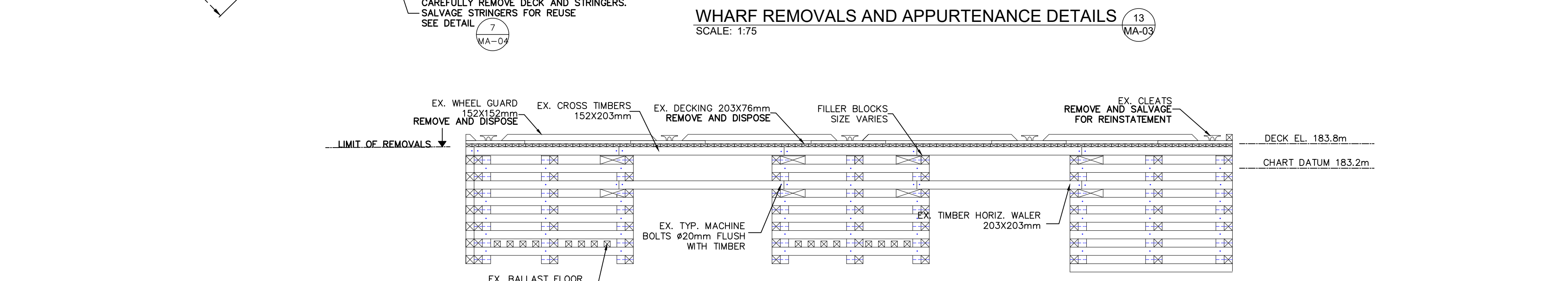
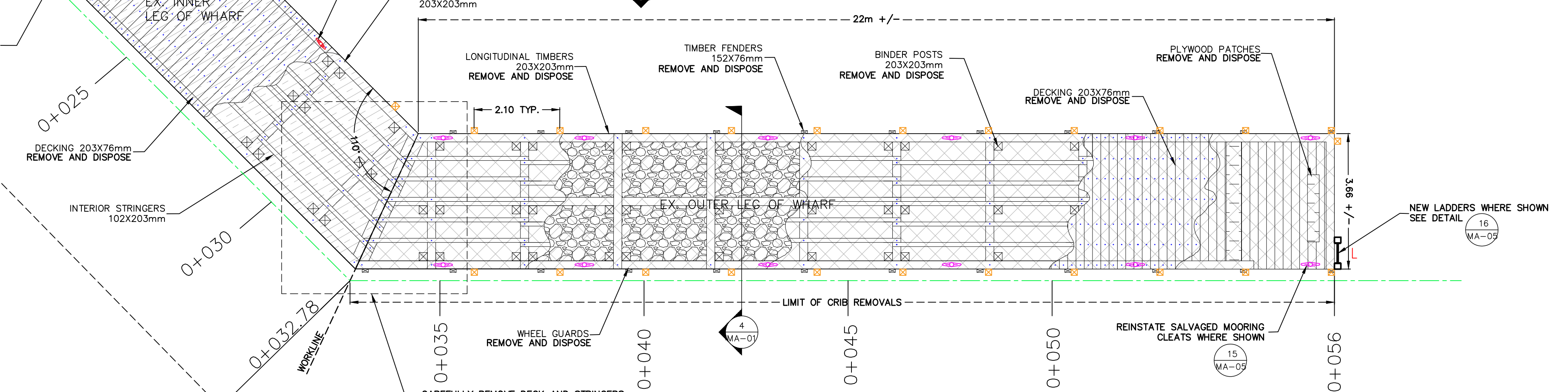
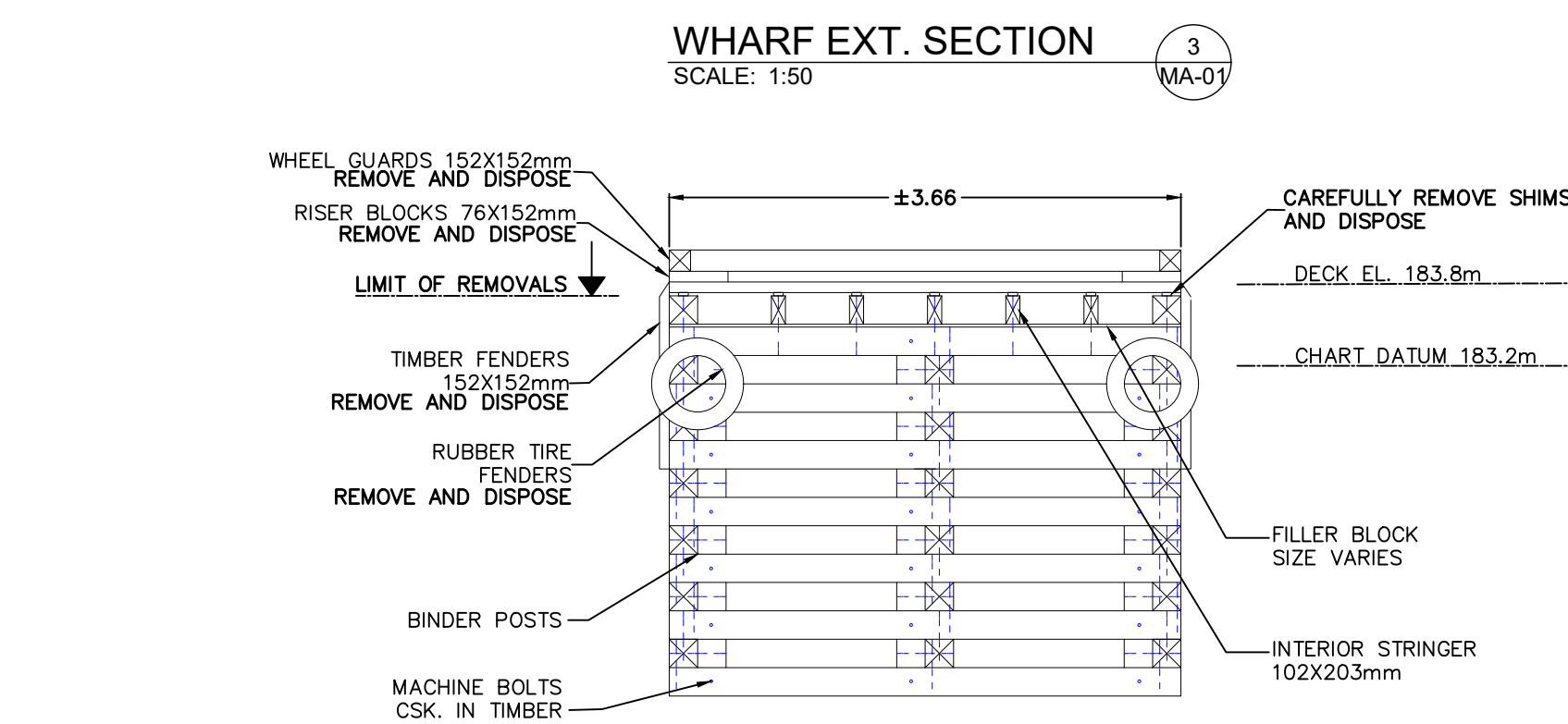
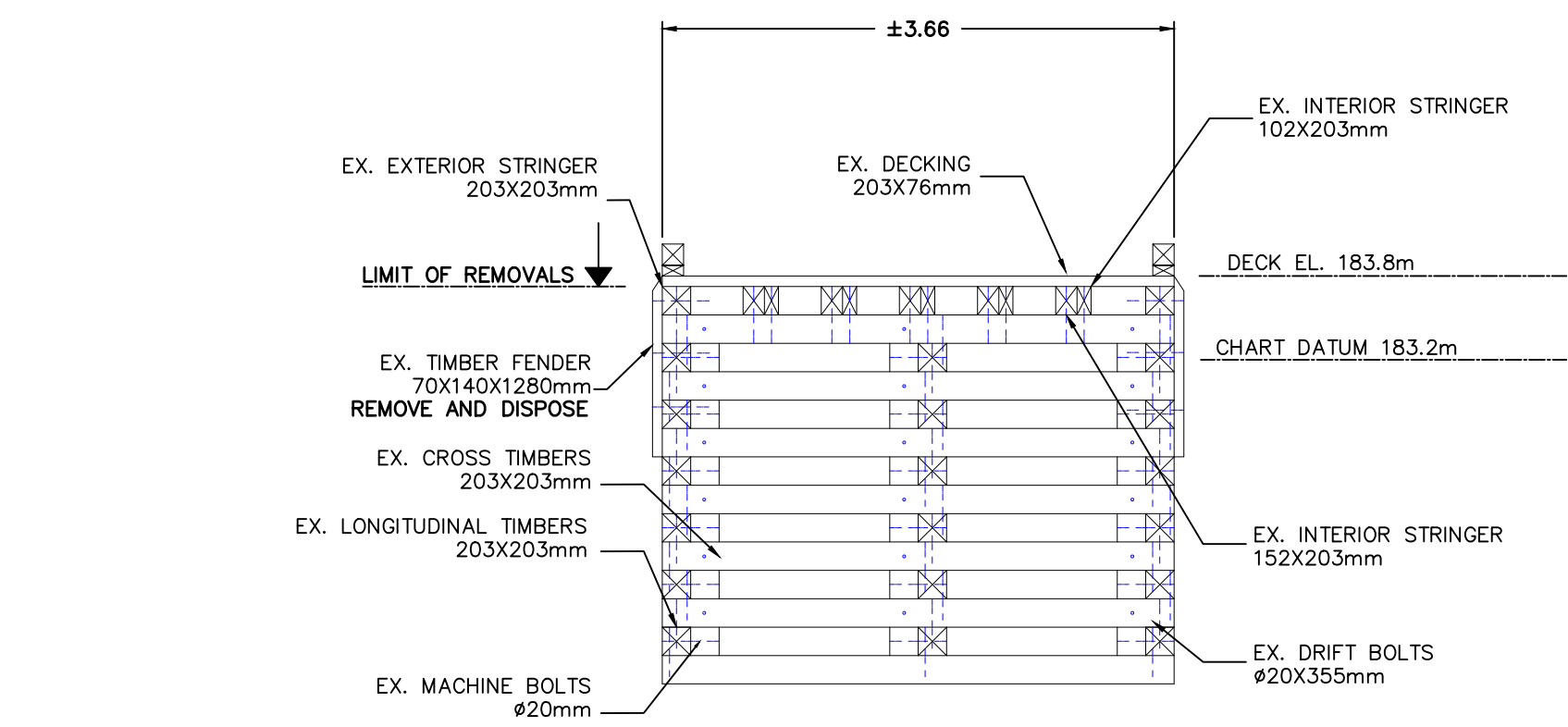
DATE:
AUGUST 2021

LOCATION:  
 GROS CAP, ON

DRAWING NO.:	LOCATOR CODE:
MA-03	4639



- NOTES:
- CAREFULLY REMOVE AND DISPOSE OF ALL DECKING, CURBS, RISERS AND FENDERS FROM:
    - WHARF EXTENSION
    - FROM STN. 0+006 TO 0+32.78 ON MAIN WHARF
    - LOADING DOCK
  - SALVAGE MOORING CLEATS, STOCKPILE AND STORE FOR REINSTALLATION.
  - SEE PLAN FOR LOADING DOCK REPAIR DETAILS
  - SALVAGE FALLEN BALLAST ROCK ON LAKEBED FOR REUSE FROM DEMOLISHED CRIBS
  - ON MAIN WHARF AND EXTENSION, REPLACE DAMAGED STRINGERS, AND INSTALL NEW DECKING, CURBS, FENDERS AS SHOWN ON THE PLANS
  - REINSTALL SALVAGED MOORING CLEATS AND SUPPLY NEW AS INDICATED.
  - CONSTRUCT NEW CRIBWORK FOR OUTER END OF MAIN WHARF (STA. 0+032 TO 0+056+/-)
  - EXCAVATE ADJACENT TO MAIN WHARF WHERE SINKHOLES ARE FORMING (APPROX LIMITS STN. 0+006 TO 0+032). INSTALL NEW SHEATHING THEN GEOTEXTILE AGAINST EXISTING CRIBS, AND REFILL EXCAVATED AREA.



SMALL CRAFT HARBOURS  
 CENTRAL AND ARCTIC REGION



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**LEGEND**

- PROJECT BASELINE
- FEDERAL PROPERTY LIMITS
- EXISTING SITE BENCHMARK
- SOUNDING DEPTH BELOW CHART DATUM
- NEW SAFETY LADDERS
- SALVAGED 460mm MOORING CLEAT
- NEW 305mm MOORING CLEAT
- NEW 152x152x4 TIMBER FENDER

**BENCHMARK INFO**  
 GEODETIC SURVEY CANADA  
 BRONZE TABLET SET IN CONCRETE  
 HORIZONTAL DATUM: UTM NAD83 ZONE 16 NORTH  
 N 515525.911  
 E 685413.806  
 ELEVATION: 184.300m CGVD28

REVISIONS:

3	FOR TENDER	AUG '21	VP
2	DESIGN DEV	MAR '20	RS
1	PRELIMINARY	MAY '18	LM

SCALE: VARIES CLASS: VARIES

PROJECT: GROS CAP  
 TIMBER WHARF  
 REHABILITATION

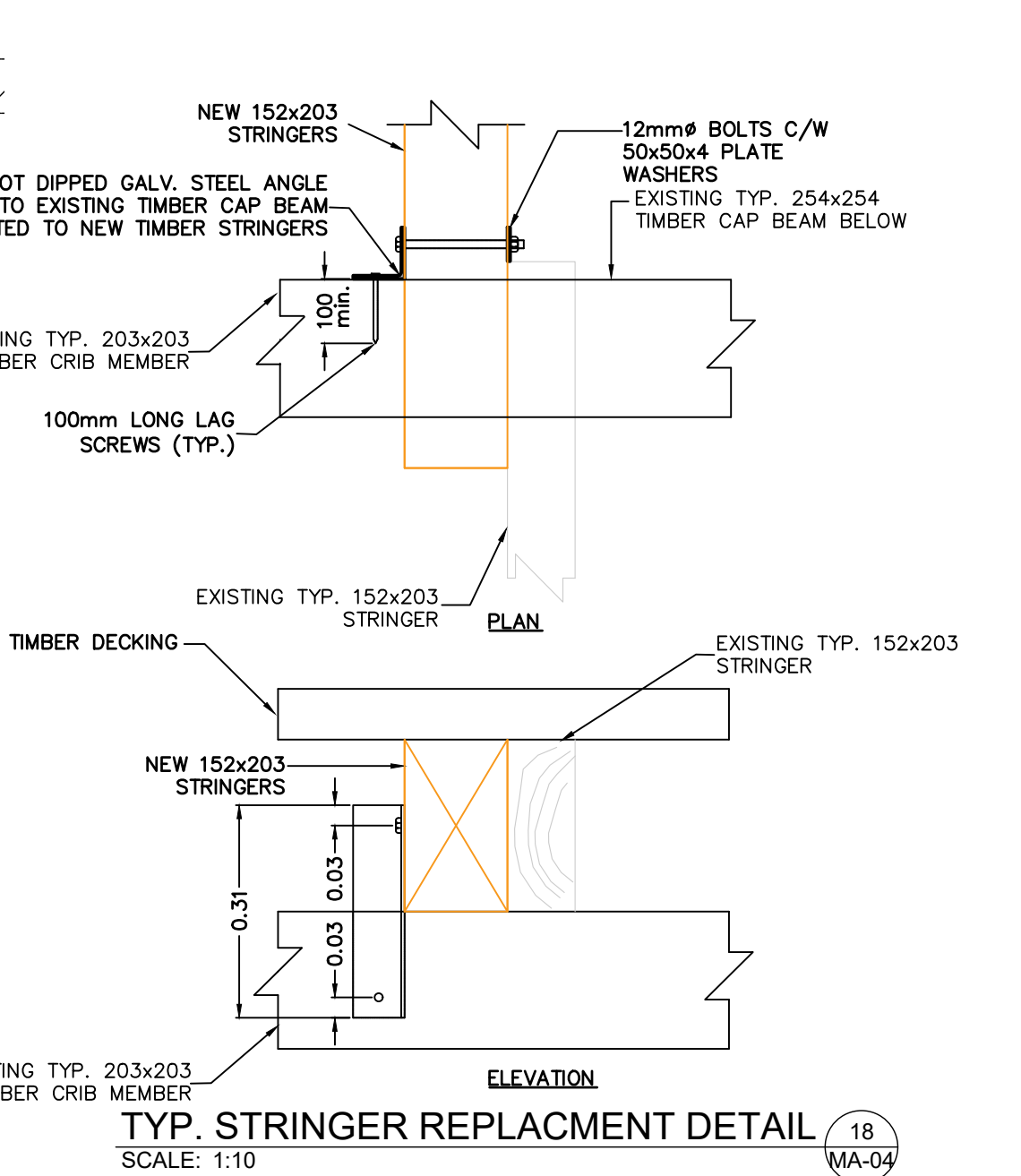
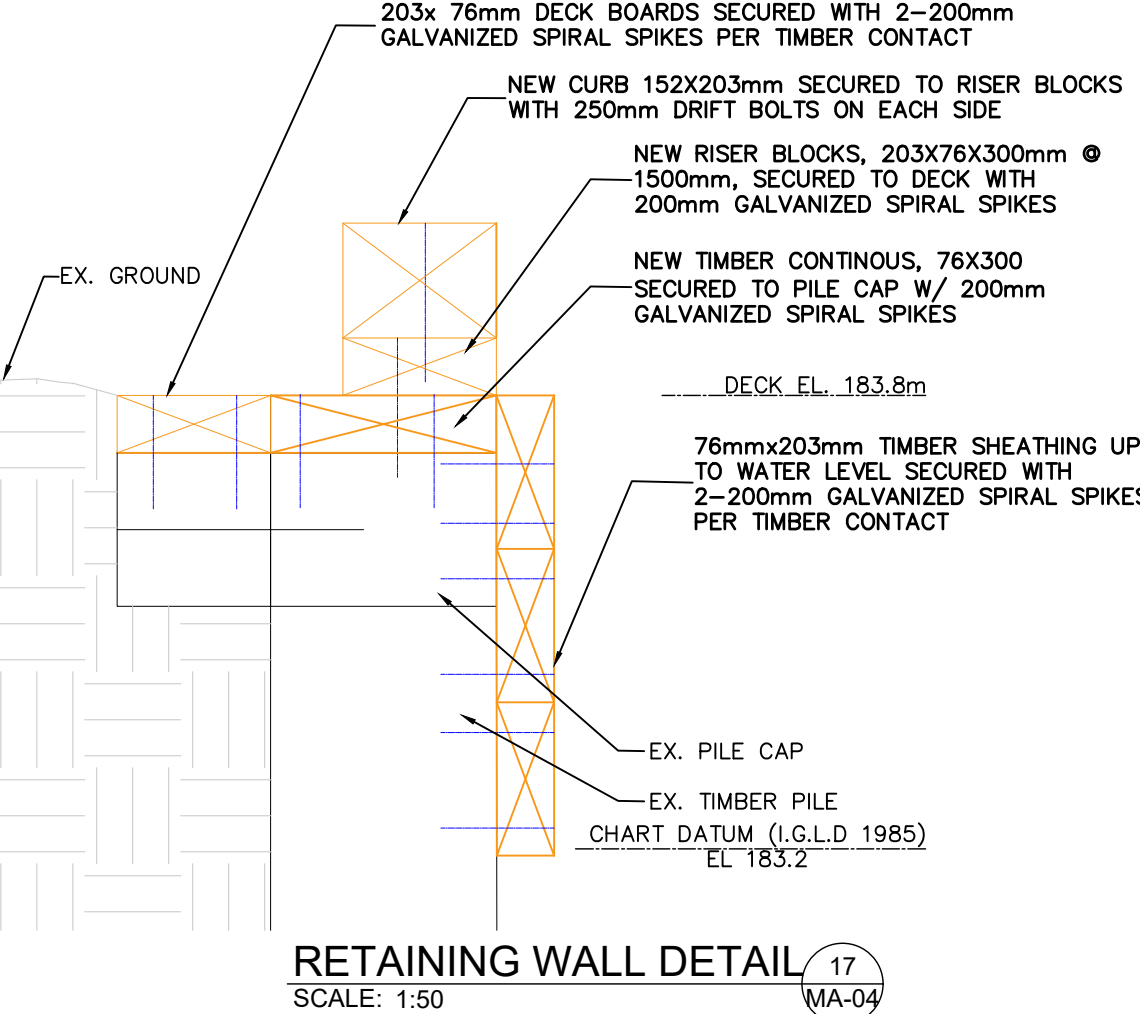
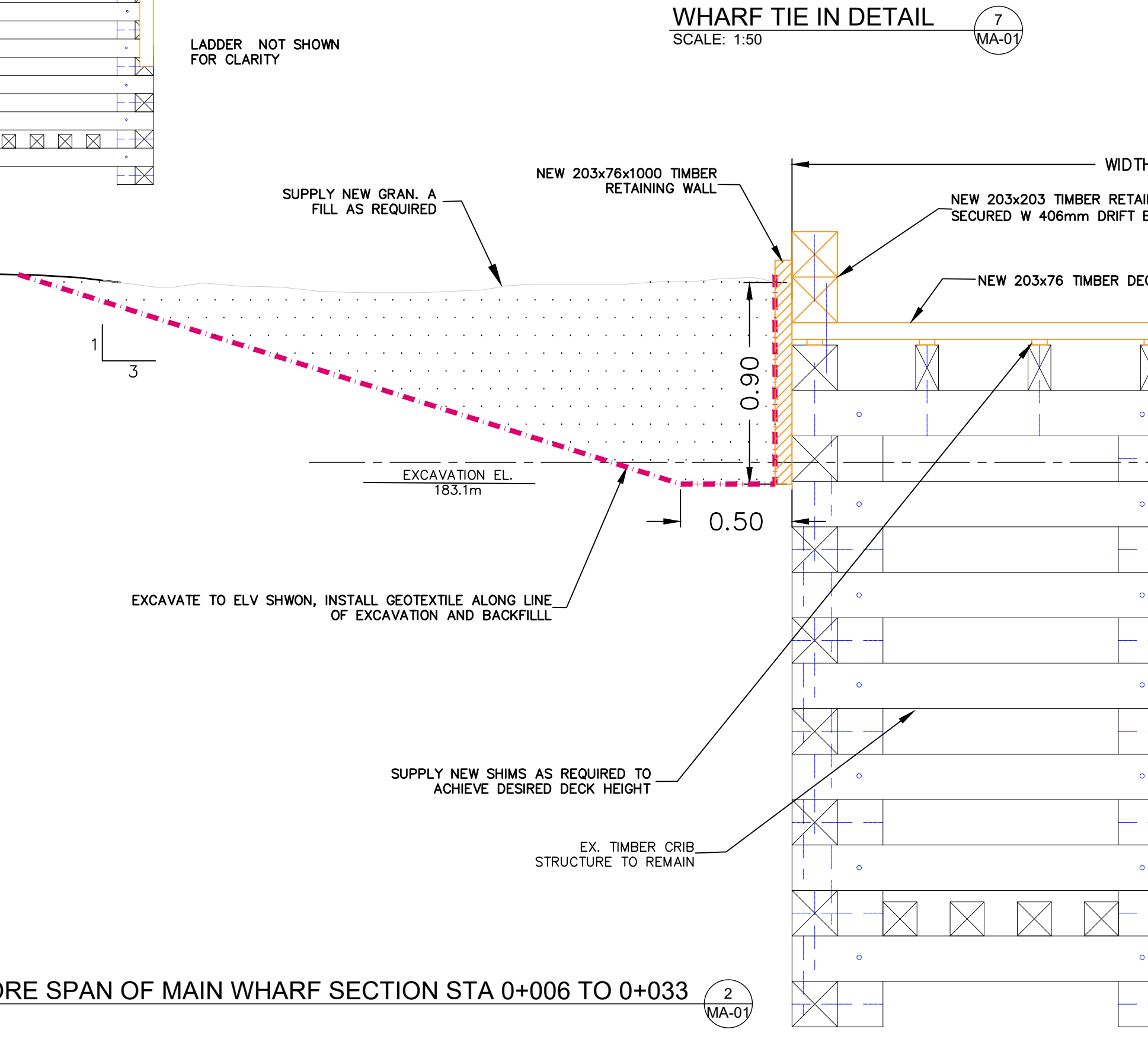
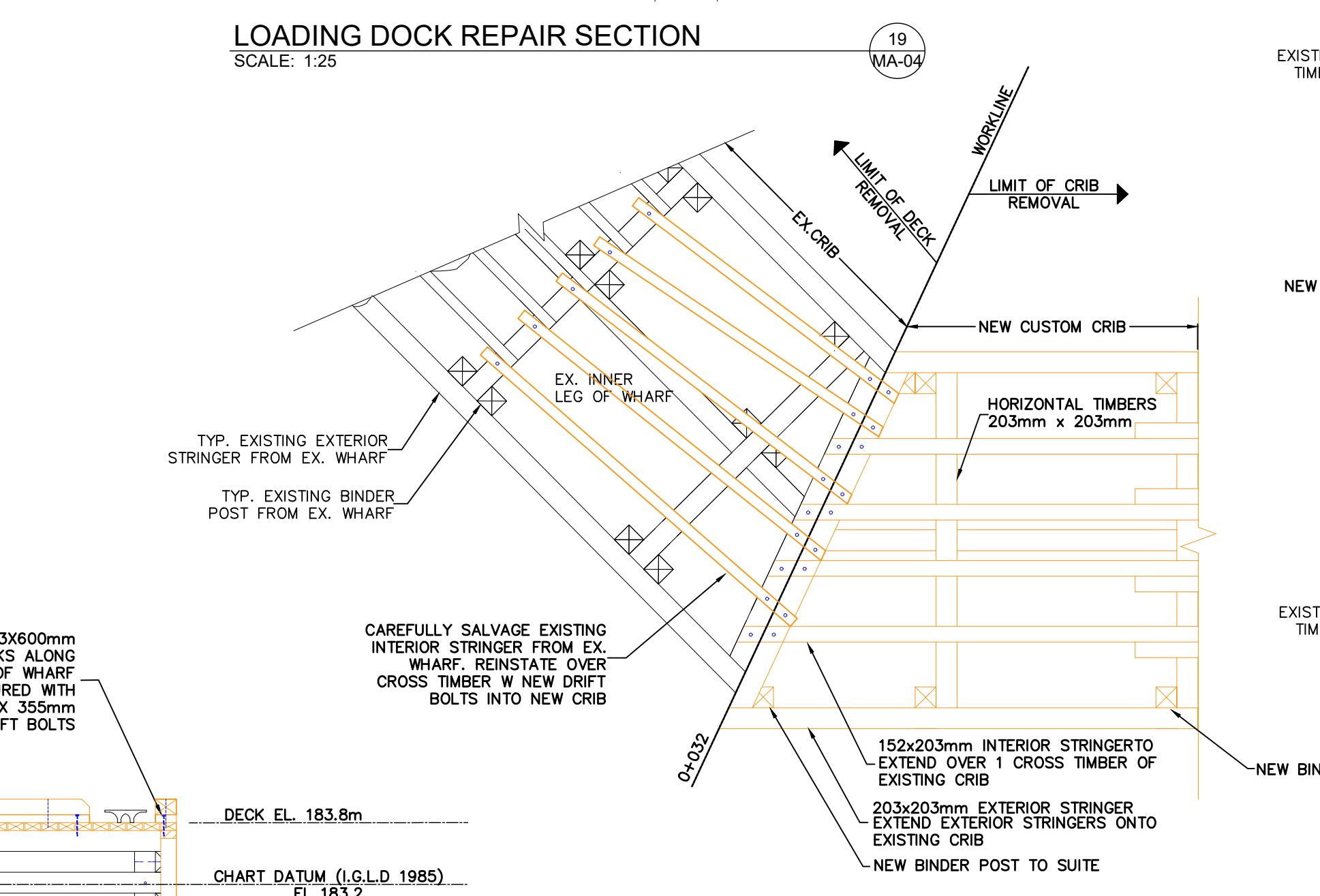
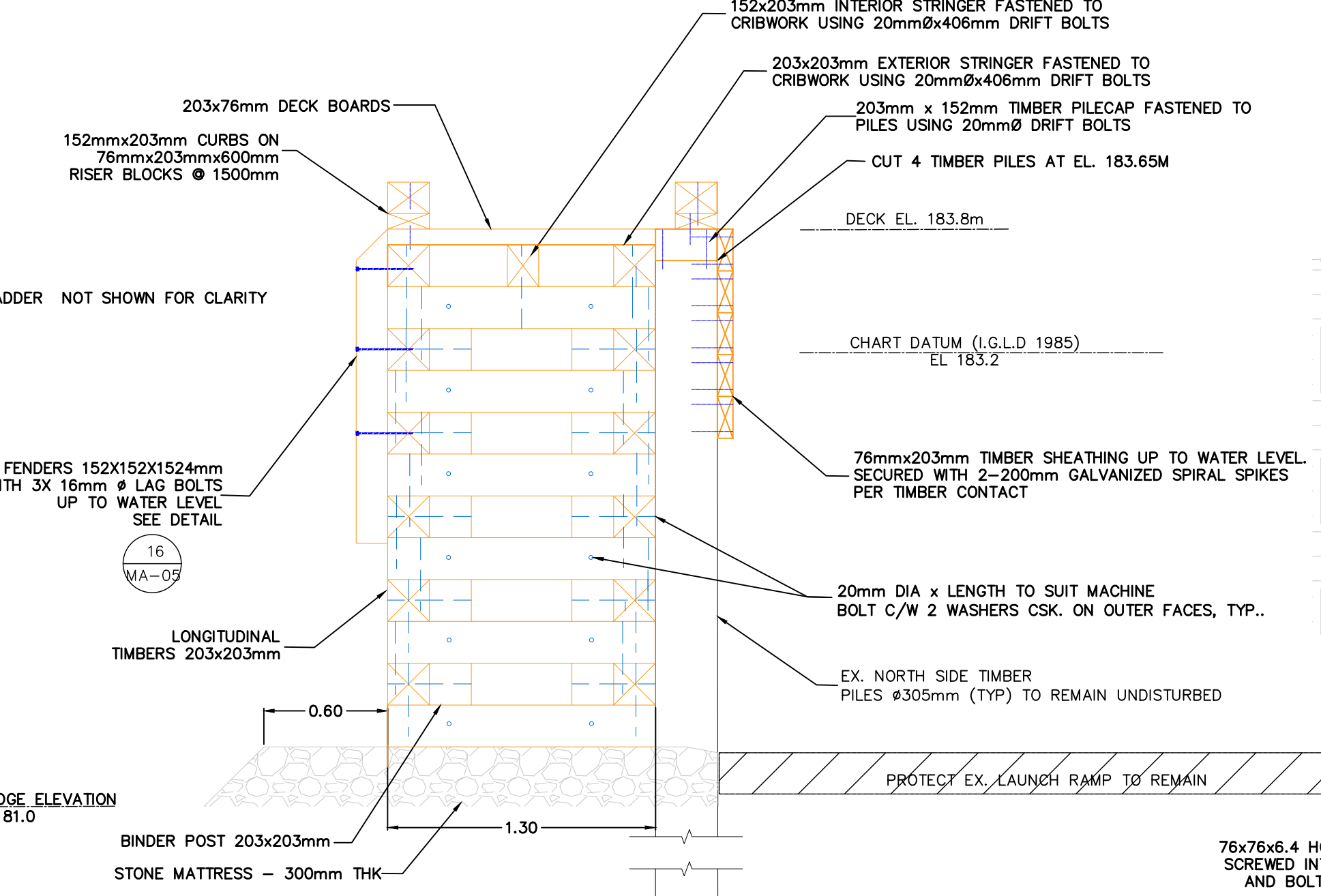
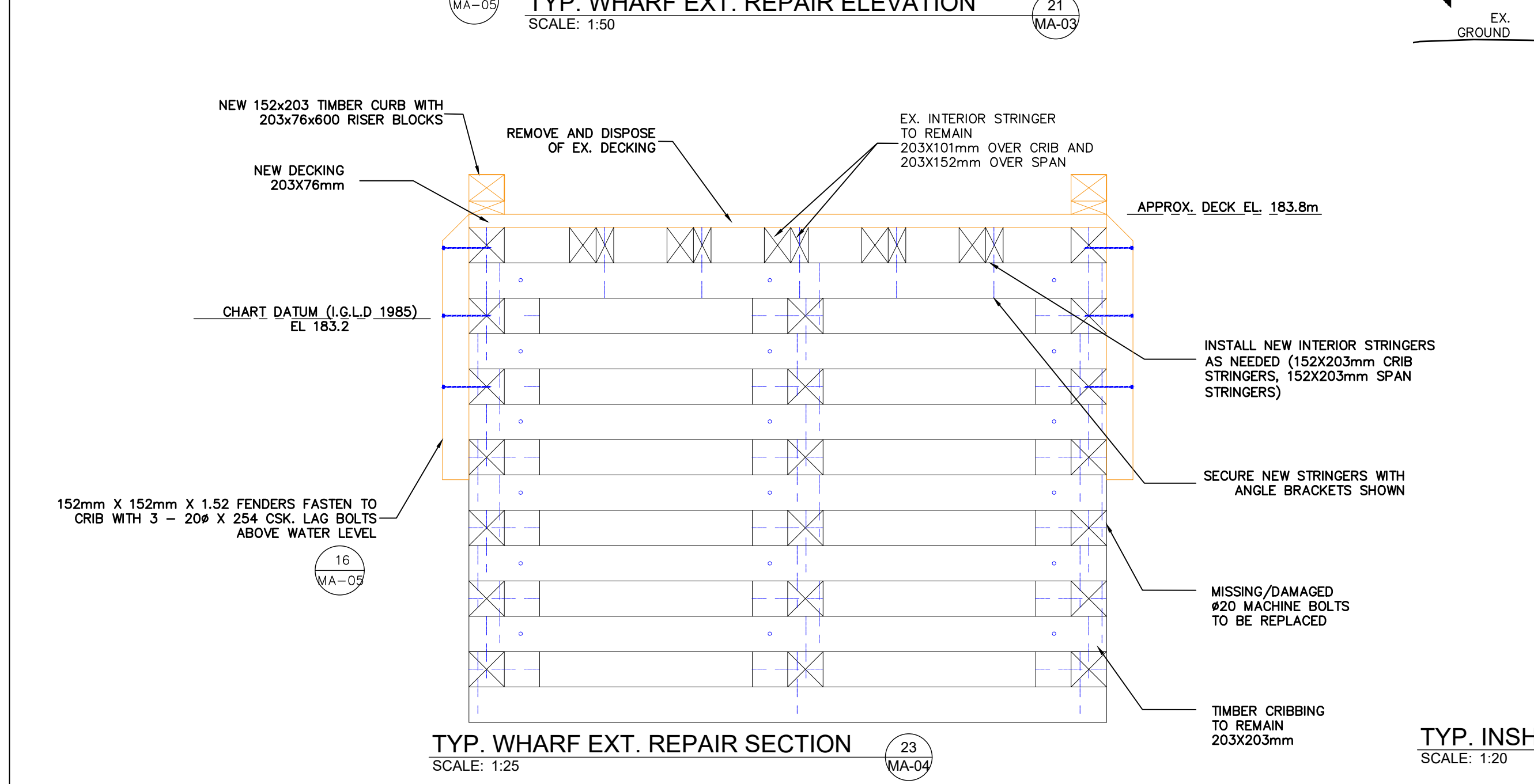
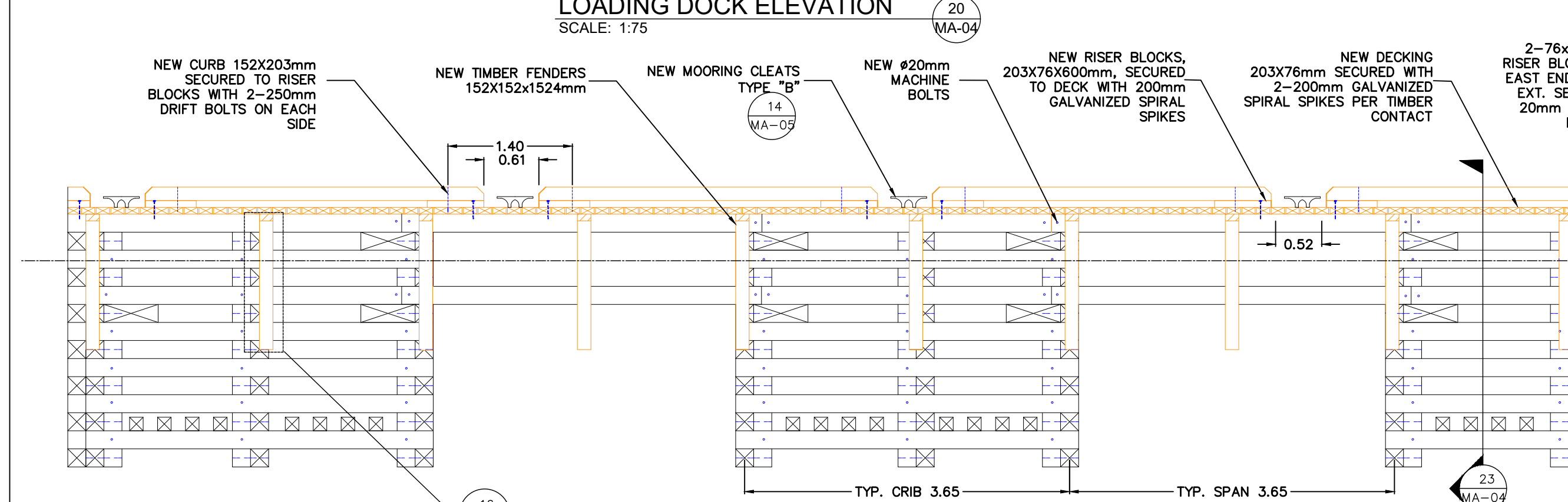
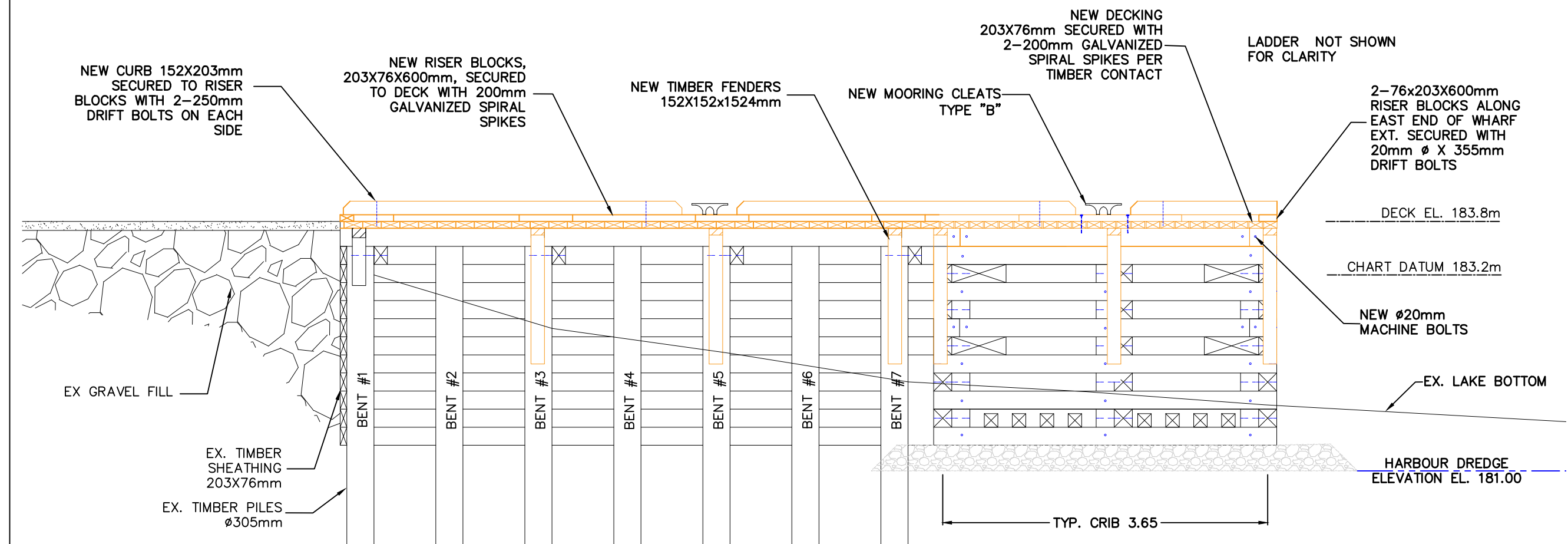
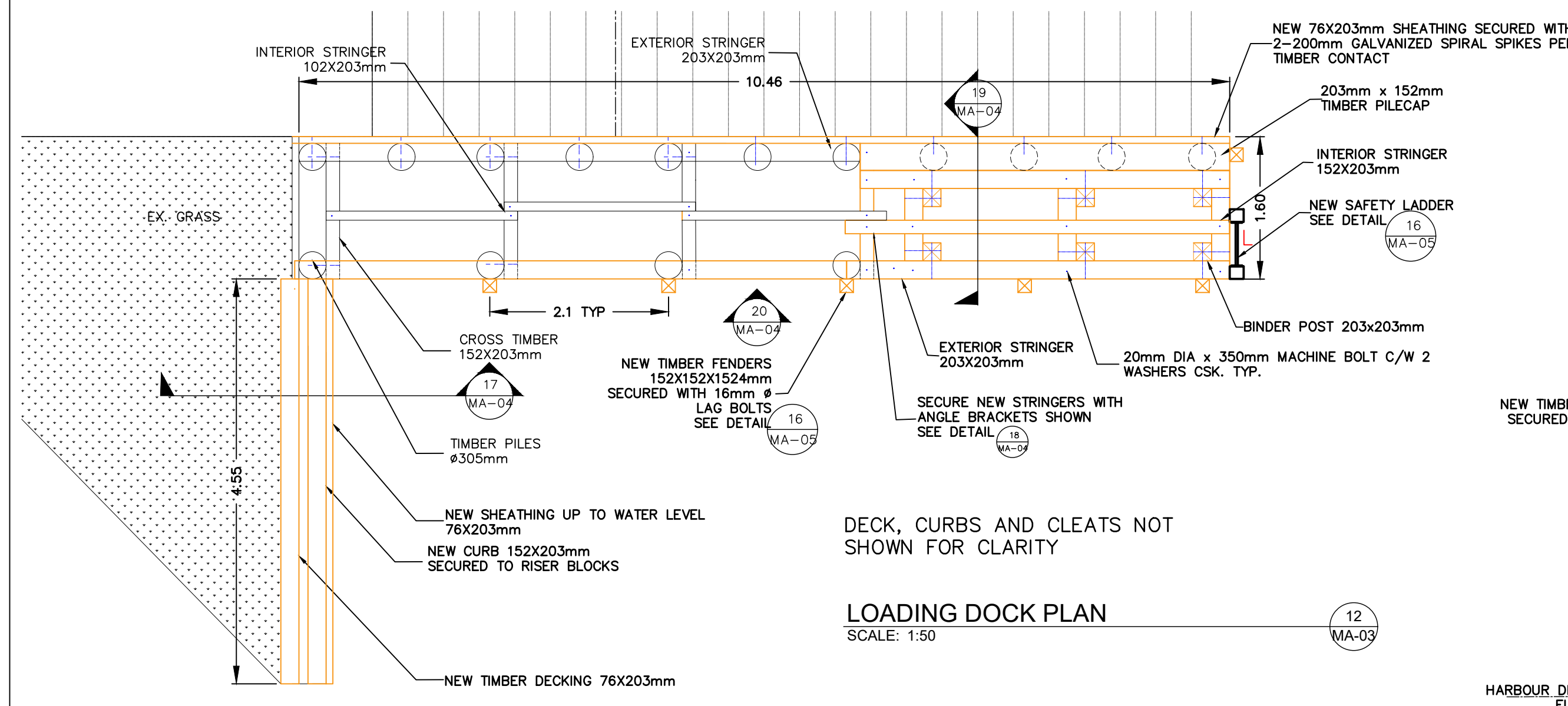
DESCRIPTION: TIMBER WHARF EXT. AND  
 LOADING DOCK REPAIRS

DRAWN: V.P APPROVED: M.M

AUGUST 2021 DATE:

LOCATION: GROS CAP, ON

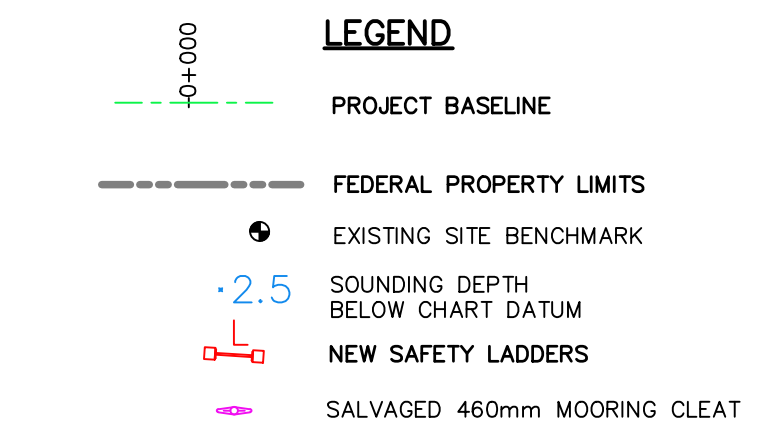
DRAWING NO.: MA-04 LOCATOR CODE: 4639



SMALL CRAFT HARBOURS  
 CENTRAL AND ARCTIC REGION



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  6. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED



**BENCHMARK INFO**  
 GEODETIC SURVEY CANADA  
 BRONZE TABLET SET IN CONCRETE  
 HORIZONTAL DATUM: UTM NAD83 ZONE 16 NORTH  
 N 5155525.911  
 E 685413.806  
 ELEVATION: 184.300m CGVD28

REVISIONS:

3 FOR TENDER	AUG '21	VP
2 DESIGN DEV	MAR '20	RS
1 PRELIMINARY	MAY '18	LM

SCALE: VARIES CLASS:

PROJECT:  
 GROS CAP  
 TIMBER WHARF  
 REHABILITATION

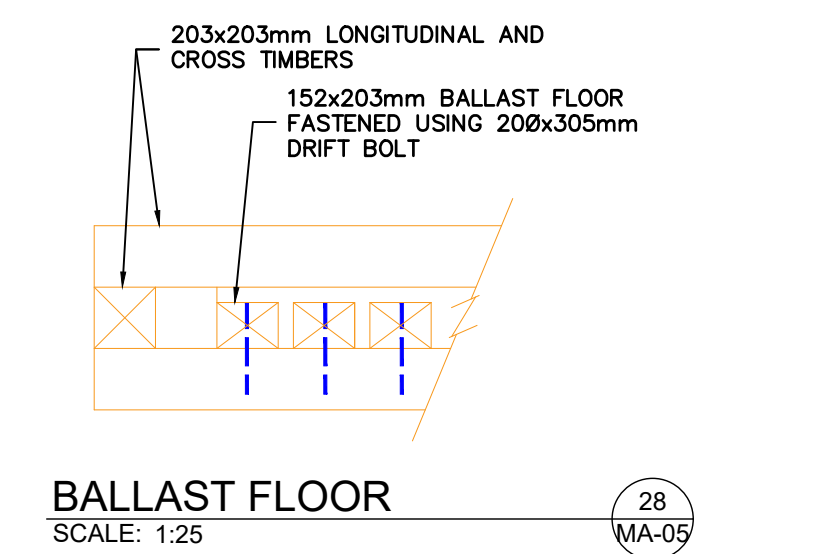
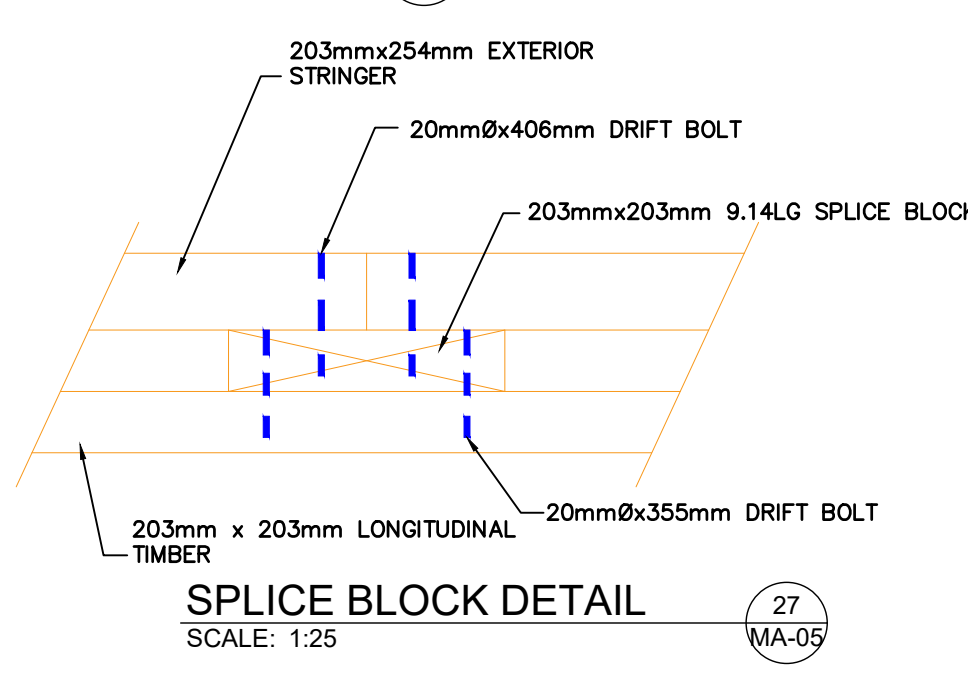
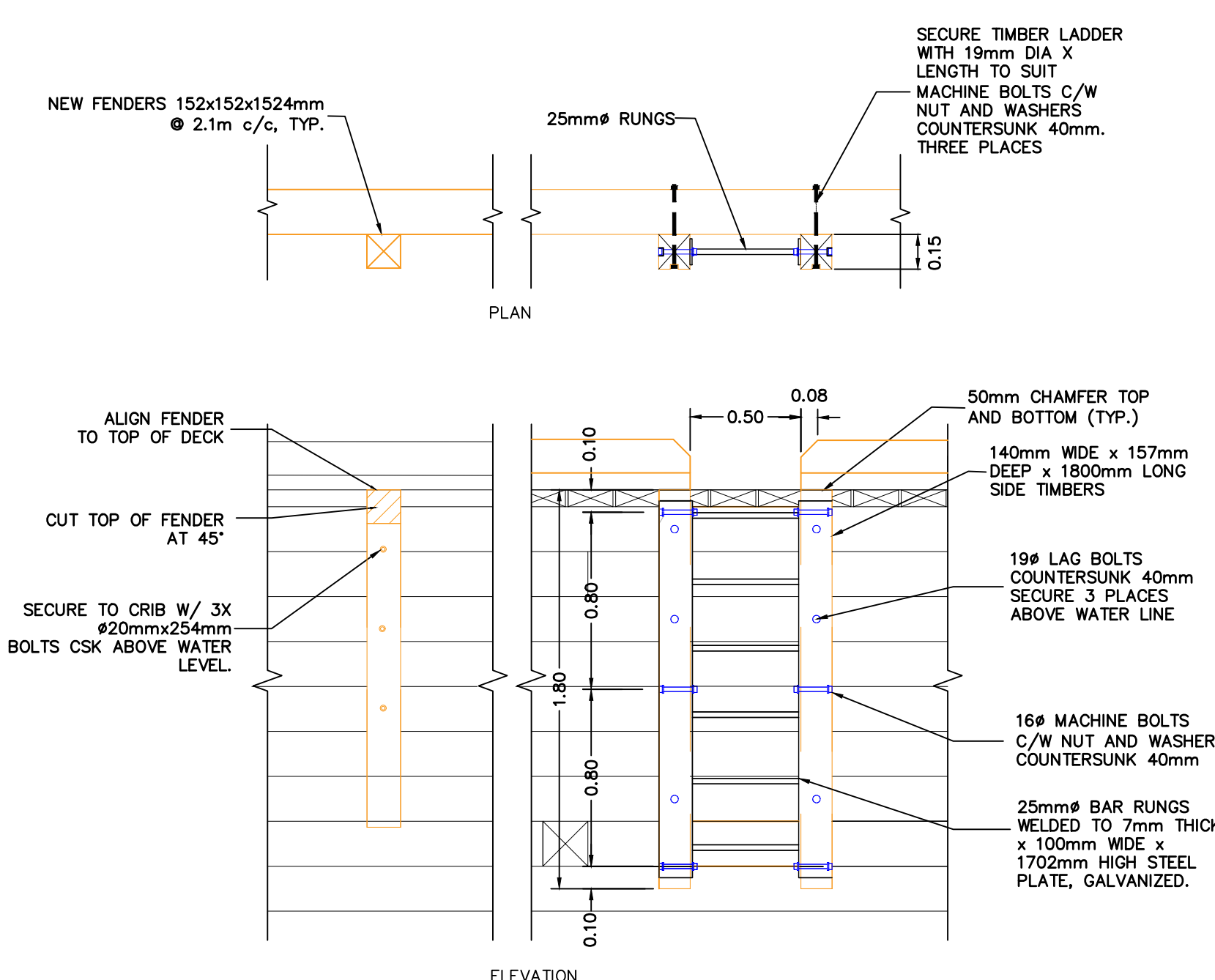
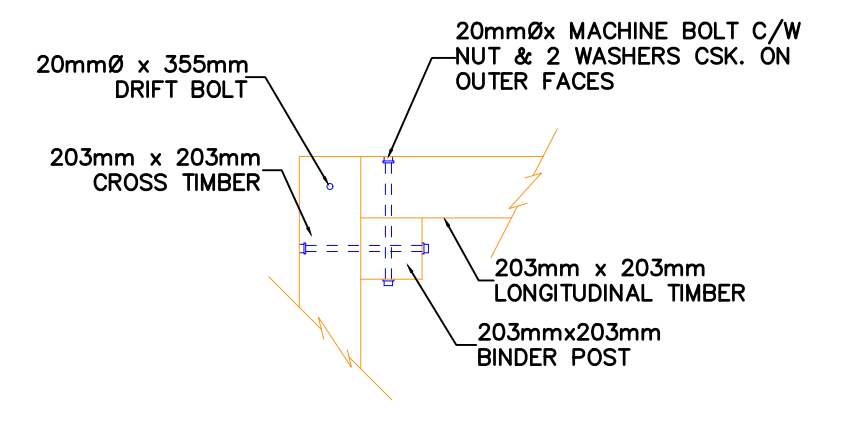
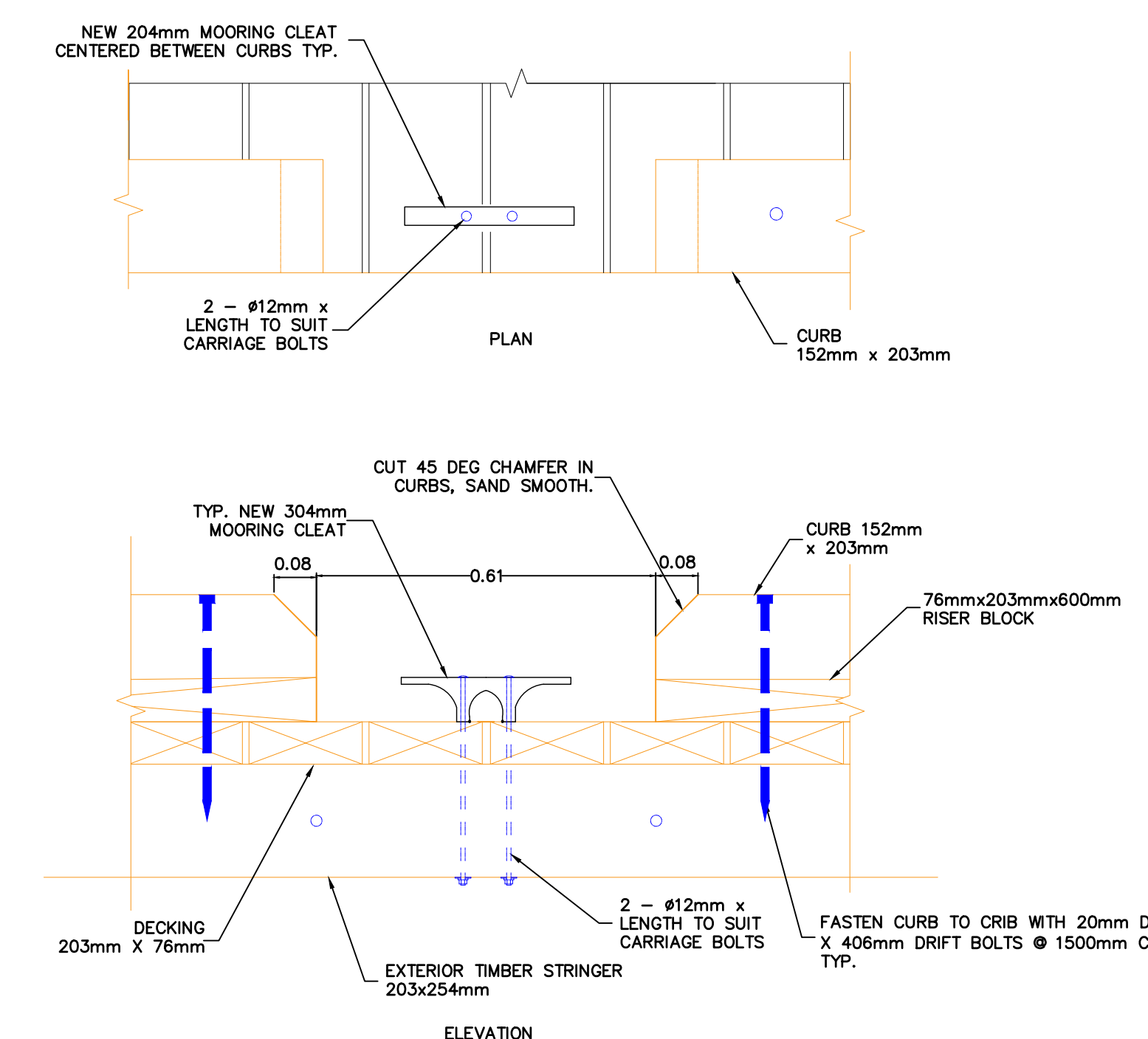
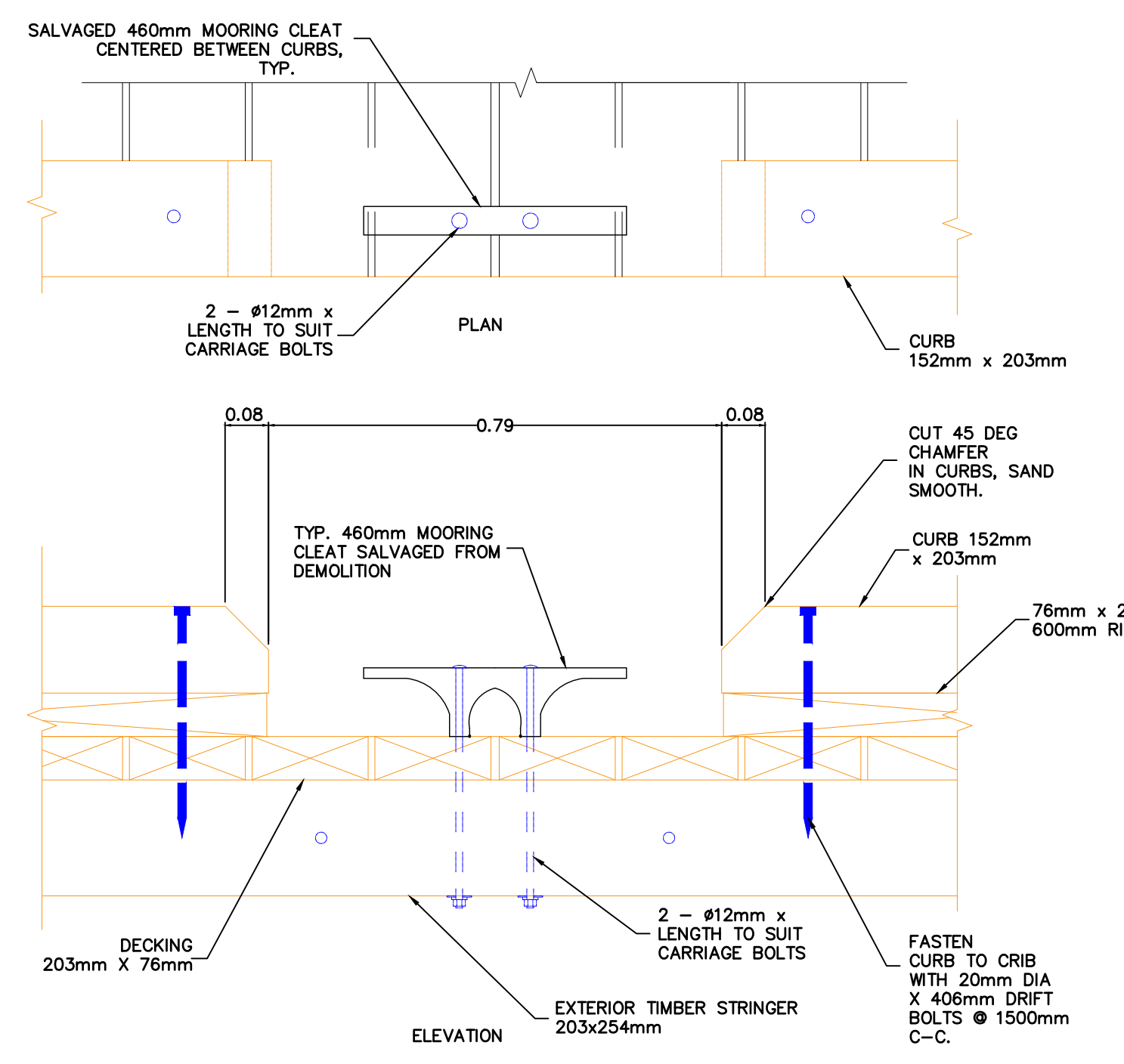
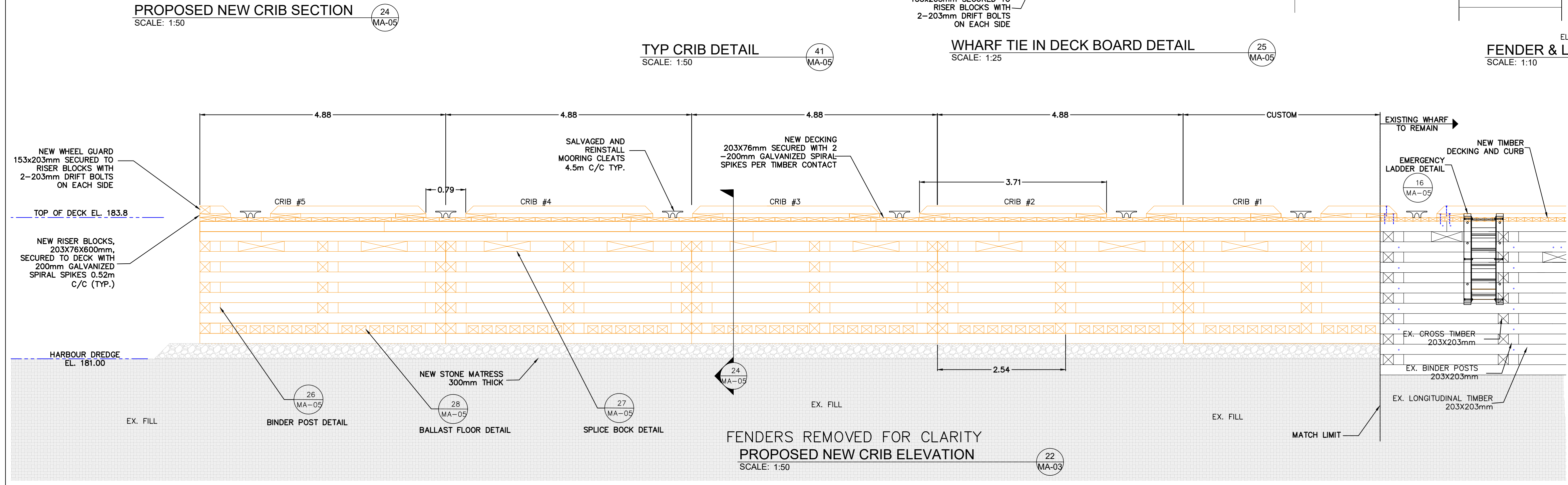
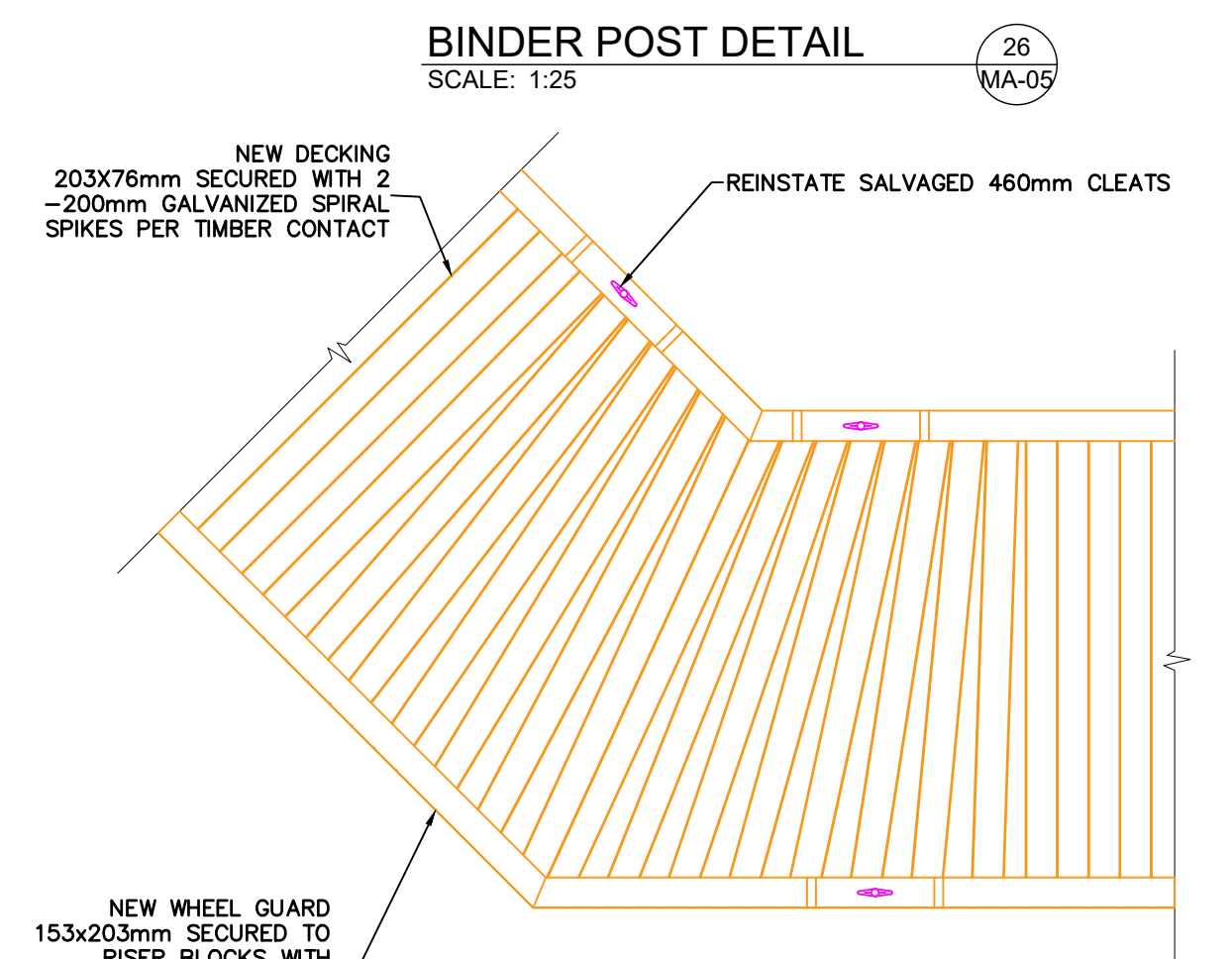
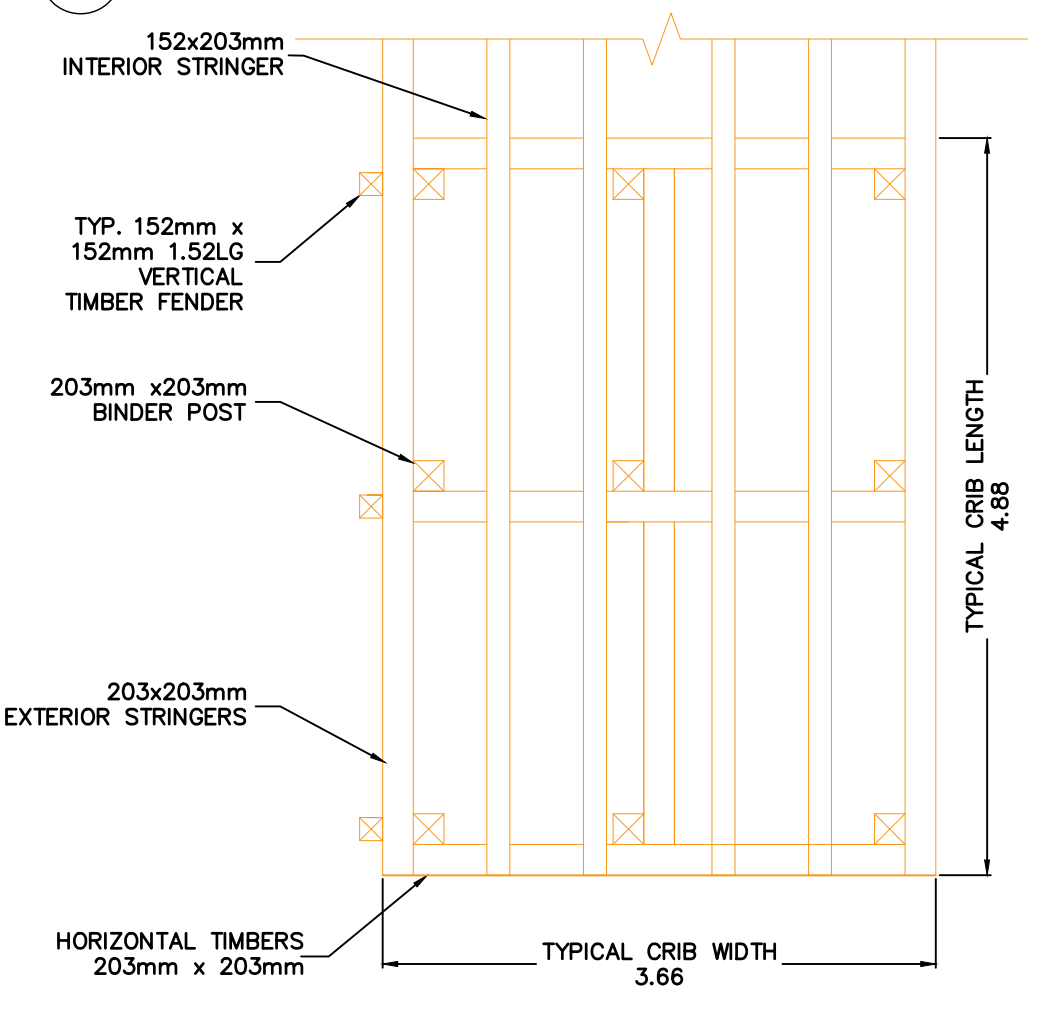
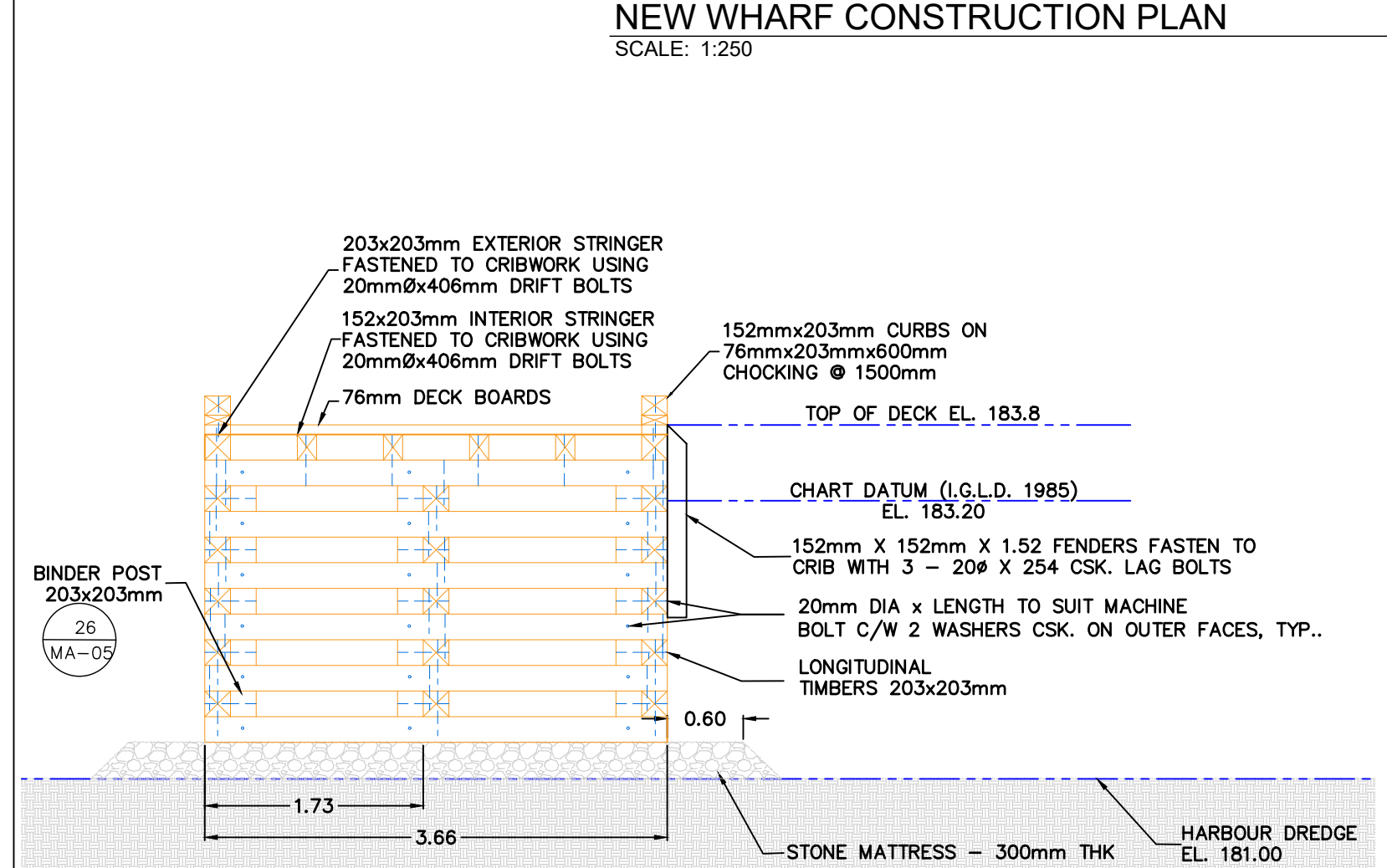
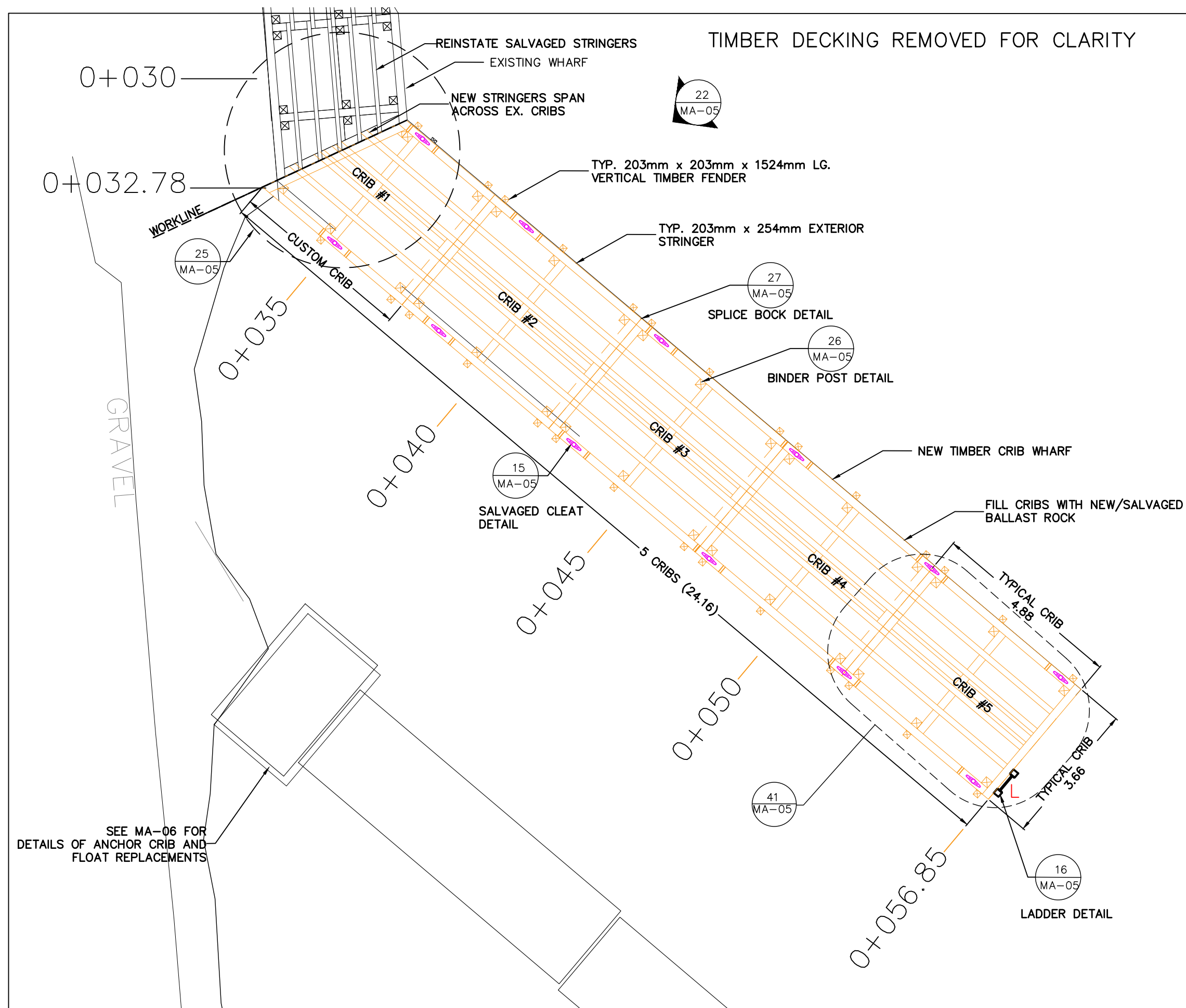
DESCRIPTION:  
 CRIB REPLACEMENT PLANS  
 AND DETAILS

DRAWN: V.P APPROVED: M.M

AUGUST 2021 DATE:

LOCATION:  
 GROS CAP, ON

DRAWING NO.: MA-05 LOCATOR CODE: 4639



SMALL CRAFT HARBOURS  
 CENTRAL AND ARCTIC REGION



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  6. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED

- LEGEND**
- PROJECT BASELINE
  - FEDERAL PROPERTY LIMITS
  - EXISTING SITE BENCHMARK
  - NEW 305mm MOORING CLEAT

**BENCHMARK INFO**  
 GEODETIC SURVEY CANADA  
 BRONZE TABLET SET IN CONCRETE  
 HORIZONTAL DATUM: UTM NAD83 ZONE 16 NORTH  
 N 5155525.911  
 E 685413.806  
 ELEVATION: 184.300m CGVD28

**REVISIONS:**

3 FOR TENDER	AUG '21	VP
2 DESIGN DEV	MAR '20	RS
1 PRELIMINARY	MAY '18	LM

SCALE: VARIES CLASS:

**PROJECT:**  
 GROS CAP  
 TIMBER WHARF  
 REHABILITATION

**DESCRIPTION:**  
 FLOAT REPLACEMENT  
 PLANS AND DETAILS

**DRAWN:** V.P **APPROVED:** M.M

**DATE:** AUGUST 2021

**LOCATION:**  
 GROS CAP, ON

**DRAWING NO.:** MA-06 **LOCATOR CODE:** 4639

- NOTES:**
1. CAREFULLY REMOVE AND DISPOSE OF ALL DECKING FROM ANCHOR CRIBS. REPLACE WITH NEW 76x203mm TIMBER
  2. SALVAGE MOORING CLEATS AND ANCHOR CHAIN HARDWARE. STOCKPILE AND STORE FOR REINSTALLATION.
  3. REMOVE AND DISPOSE OF EXISTING FLOATING DOCKS AND ALL OTHER HARDWARE
  4. TEMPORARILY DISCONNECT ANCHOR CHAINS. RETAIN FOR REUSE WITH NEW FLOATS
  5. INSTALL NEW PIPE SLIDERS AND CHAIN ATTACHMENT TO EXISTING CRIBS
  6. INSTALL NEW FLOATS AND CONNECT TO ANCHOR BLOCKS WITH SALVAGED CHAIN

