

1

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D

LIST OF DRAWINGS				
S.NO.	DRAWING NO.	DESCRIPTIONS	DATE	REV
1	IITM-CPA-EWJ-DWG-001	DRAWING LIST	03.08.26	C
2	IITM-CPA-EWJ-DWG-002	GENERAL NOTES	03.08.26	C
3	IITM-CPA-EWJ-DWG-004	OVERALL LAYOUT	03.08.26	C
4	IITM-CPA-EWJ-DWG-005-02	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 1 OF 5)	03.08.26	C
5	IITM-CPA-EWJ-DWG-005-03	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 2 OF 5)	03.08.26	C
6	IITM-CPA-EWJ-DWG-005-05	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 3 OF 5)	03.08.26	C
7	IITM-CPA-EWJ-DWG-005-07	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 4 OF 5)	03.08.26	C
8	IITM-CPA-EWJ-DWG-005-08	LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 5 OF 5)	03.08.26	C
9	IITM-CPA-EWJ-DWG-007-02	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 1 OF 10)	03.08.26	C
10	IITM-CPA-EWJ-DWG-007-03	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 2 OF 10)	03.08.26	C
11	IITM-CPA-EWJ-DWG-007-05	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 3 OF 10)	03.08.26	C
12	IITM-CPA-EWJ-DWG-007-06	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 4 OF 10)	03.08.26	C
13	IITM-CPA-EWJ-DWG-007-07	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 5 OF 10)	03.08.26	C
14	IITM-CPA-EWJ-DWG-007-08	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 6 OF 10)	03.08.26	C
15	IITM-CPA-EWJ-DWG-007-09	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 7 OF 10)	03.08.26	C
16	IITM-CPA-EWJ-DWG-007-10	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 8 OF 10)	03.08.26	C
17	IITM-CPA-EWJ-DWG-007-11	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 9 OF 10)	03.08.26	C
18	IITM-CPA-EWJ-DWG-007-12	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 10 OF 10)	03.08.26	C

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT:  PROF . S . NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER:  COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: DRAWING LIST				
DRAWING NO. IITM-CPA-EWJ-DWG-001			DATE: 03.08.26	REV: C

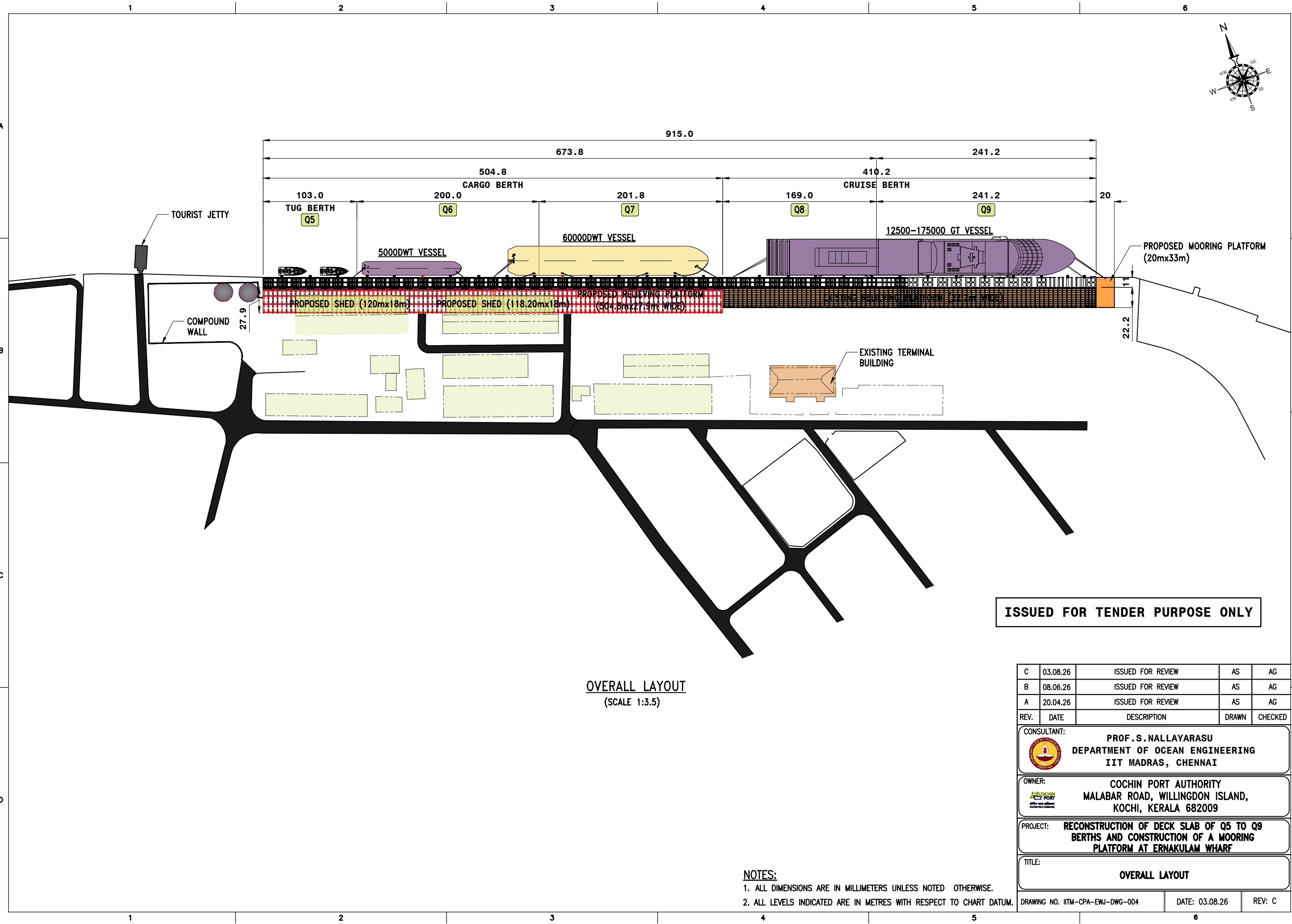
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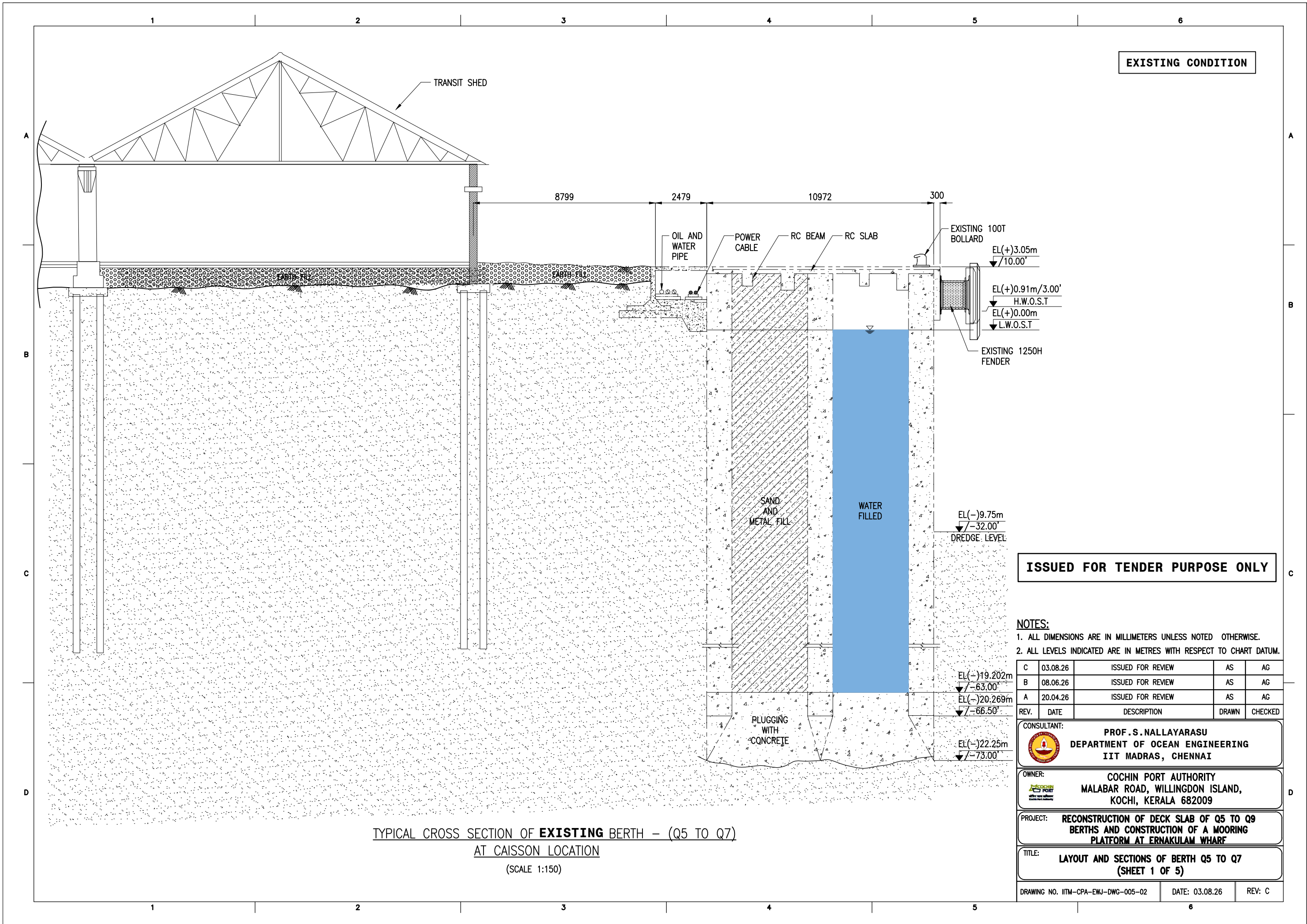


OVERALL LAYOUT
(SCALE 1:3.5)

ISSUED FOR TENDER PURPOSE ONLY

- NOTES:
- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - 2. ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT:  PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER:  COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: OVERALL LAYOUT				
DRAWING NO. IITM-CPA-EWJ-DWG-004			DATE: 03.08.26	REV: C



EXISTING CONDITION

ISSUED FOR TENDER PURPOSE ONLY

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED

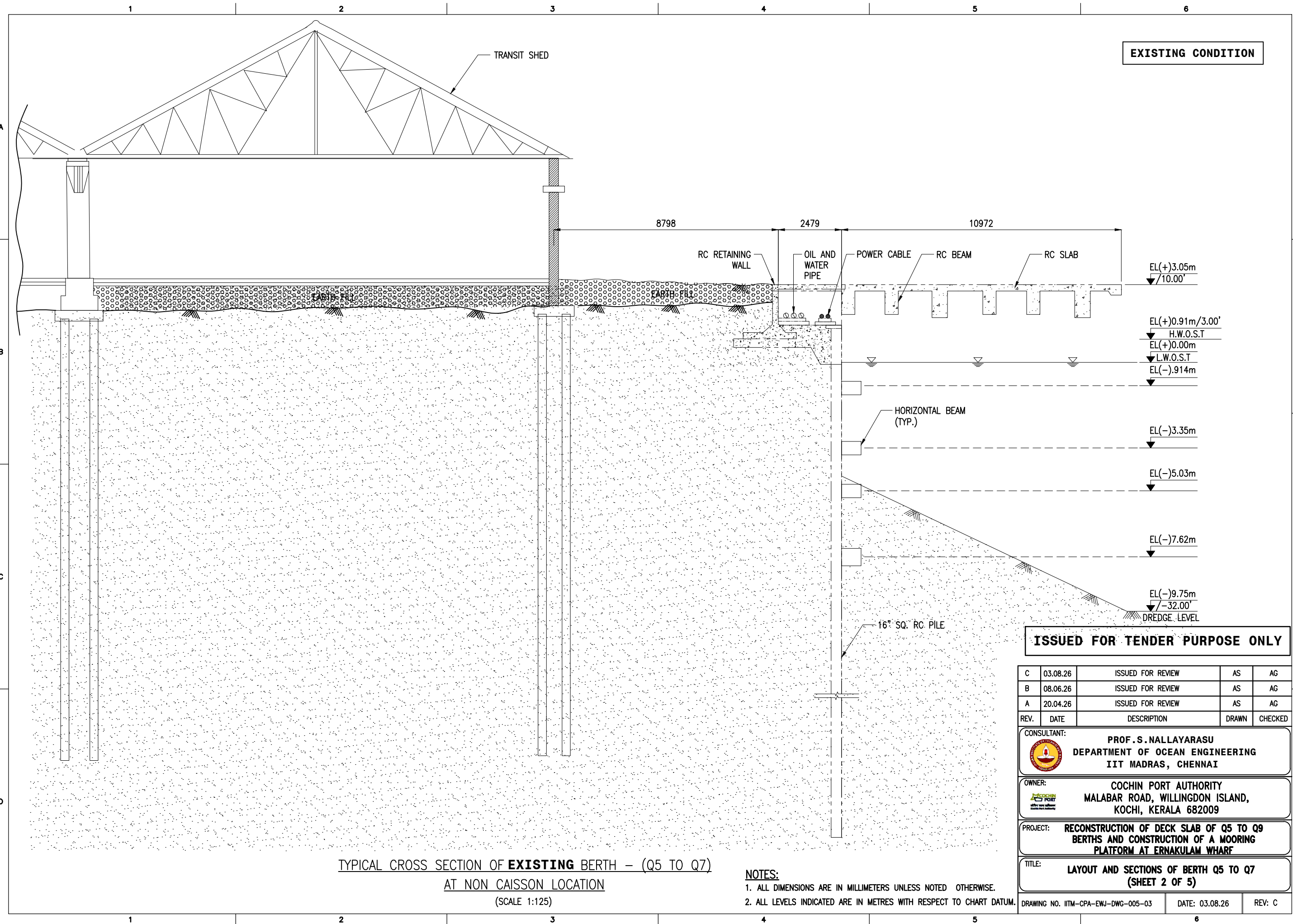
CONSULTANT:
 **PROF. S. NALLAYARASU**
DEPARTMENT OF OCEAN ENGINEERING
IIT MADRAS, CHENNAI

OWNER:
 **COCHIN PORT AUTHORITY**
MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

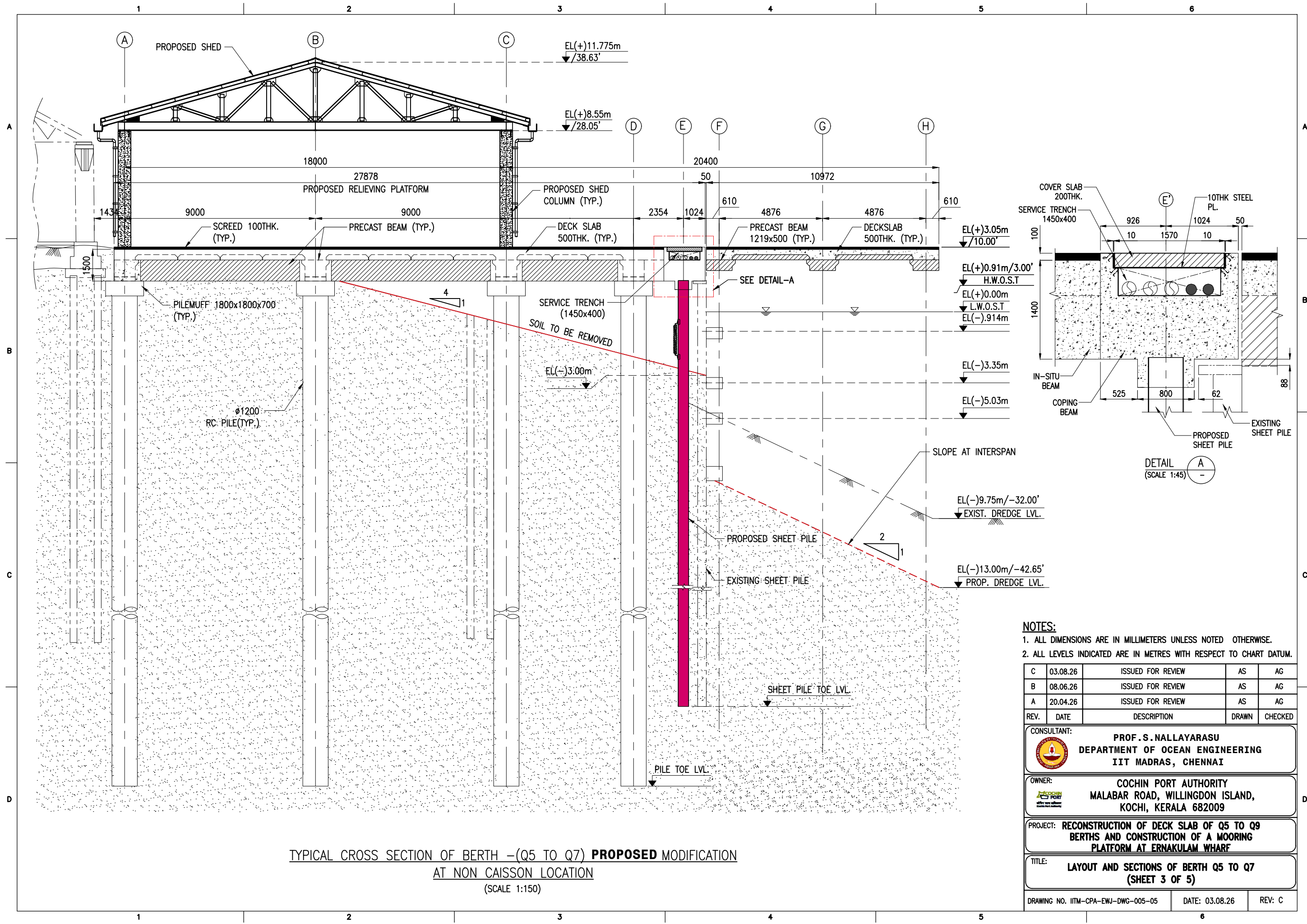
PROJECT: **RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF**

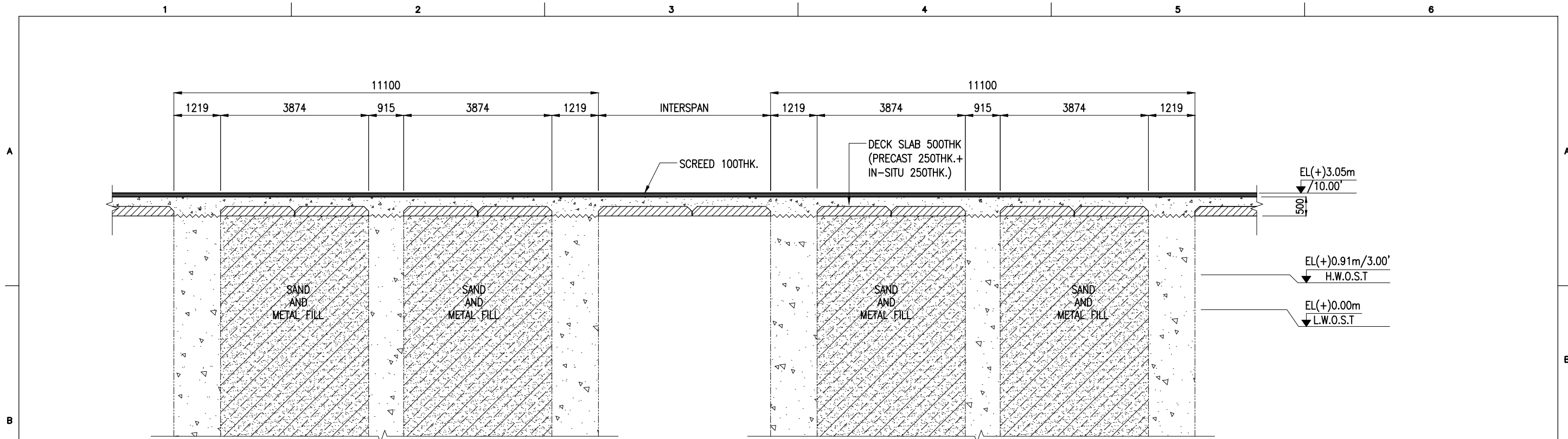
TITLE: **LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 1 OF 5)**

DRAWING NO. IITM-CPA-EWJ-DWG-005-02 DATE: 03.08.26 REV: C



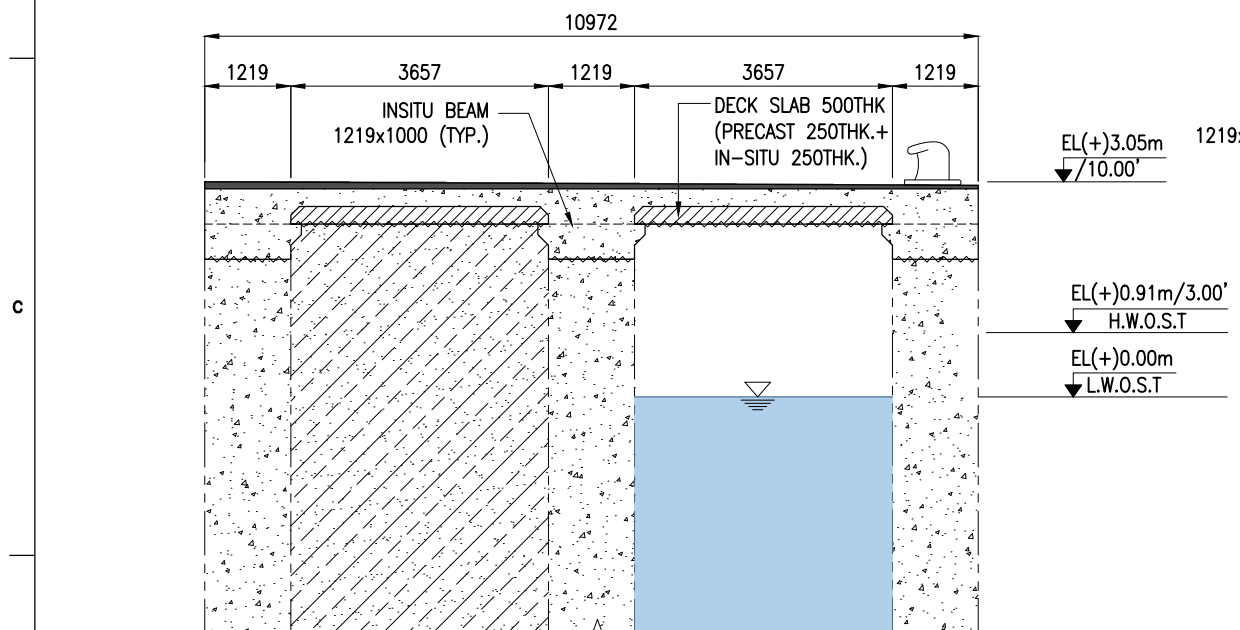
ISSUED FOR TENDER PURPOSE ONLY				
C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT:  PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER:  COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 2 OF 5)				
DRAWING NO. IITM-CPA-EWJ-DWG-005-03			DATE: 03.08.26	REV: C



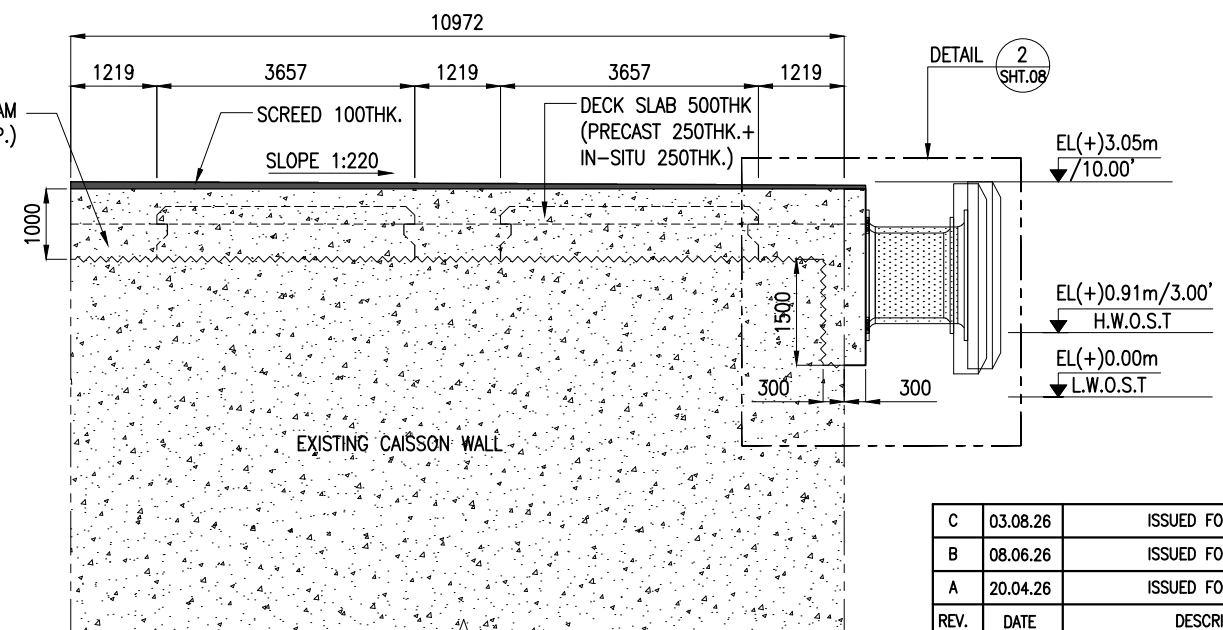


SECTION B
SCALE 1:100
SHT.06

ISSUED FOR TENDER PURPOSE ONLY



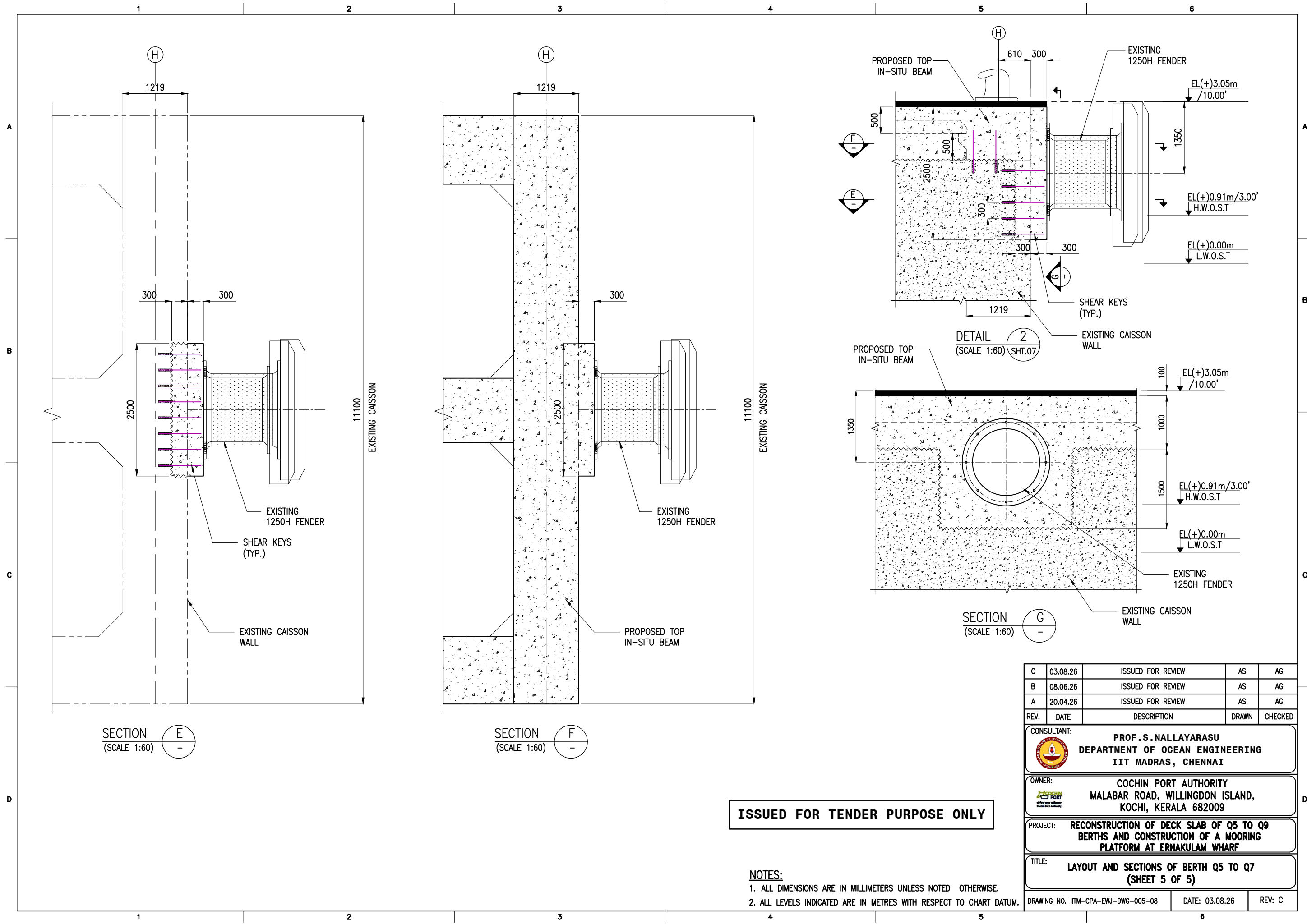
SECTION C
SCALE 1:100
SHT.06



SECTION D
SCALE 1:100
SHT.06

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

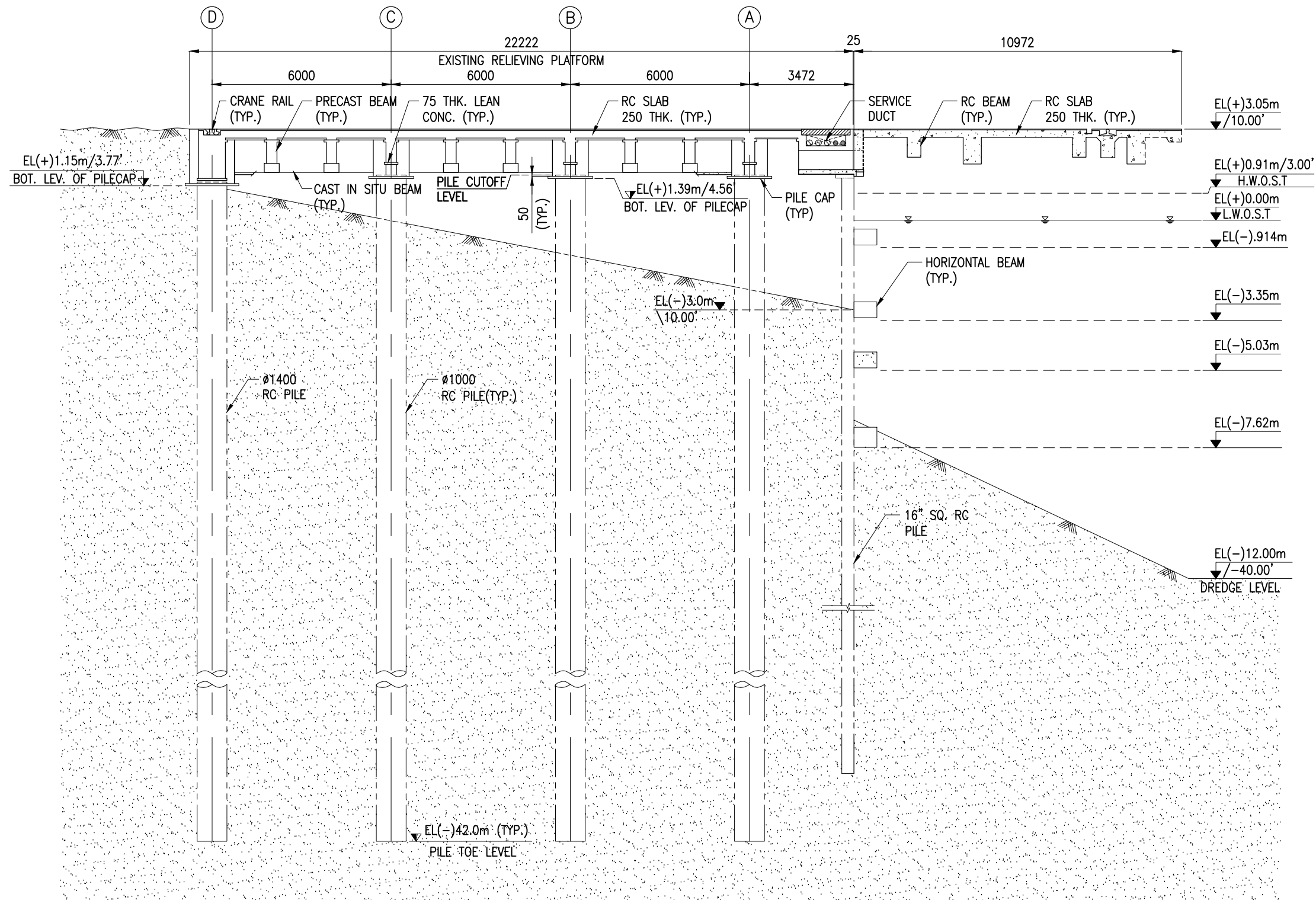
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B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT: PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER: COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 4 OF 5)				
DRAWING NO. IITM-CPA-EWJ-DWG-005-07			DATE: 03.08.26	REV: C



ISSUED FOR TENDER PURPOSE ONLY

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT: PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER: COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q5 TO Q7 (SHEET 5 OF 5)				
DRAWING NO. IITM-CPA-EWJ-DWG-005-08			DATE: 03.08.26	REV: C

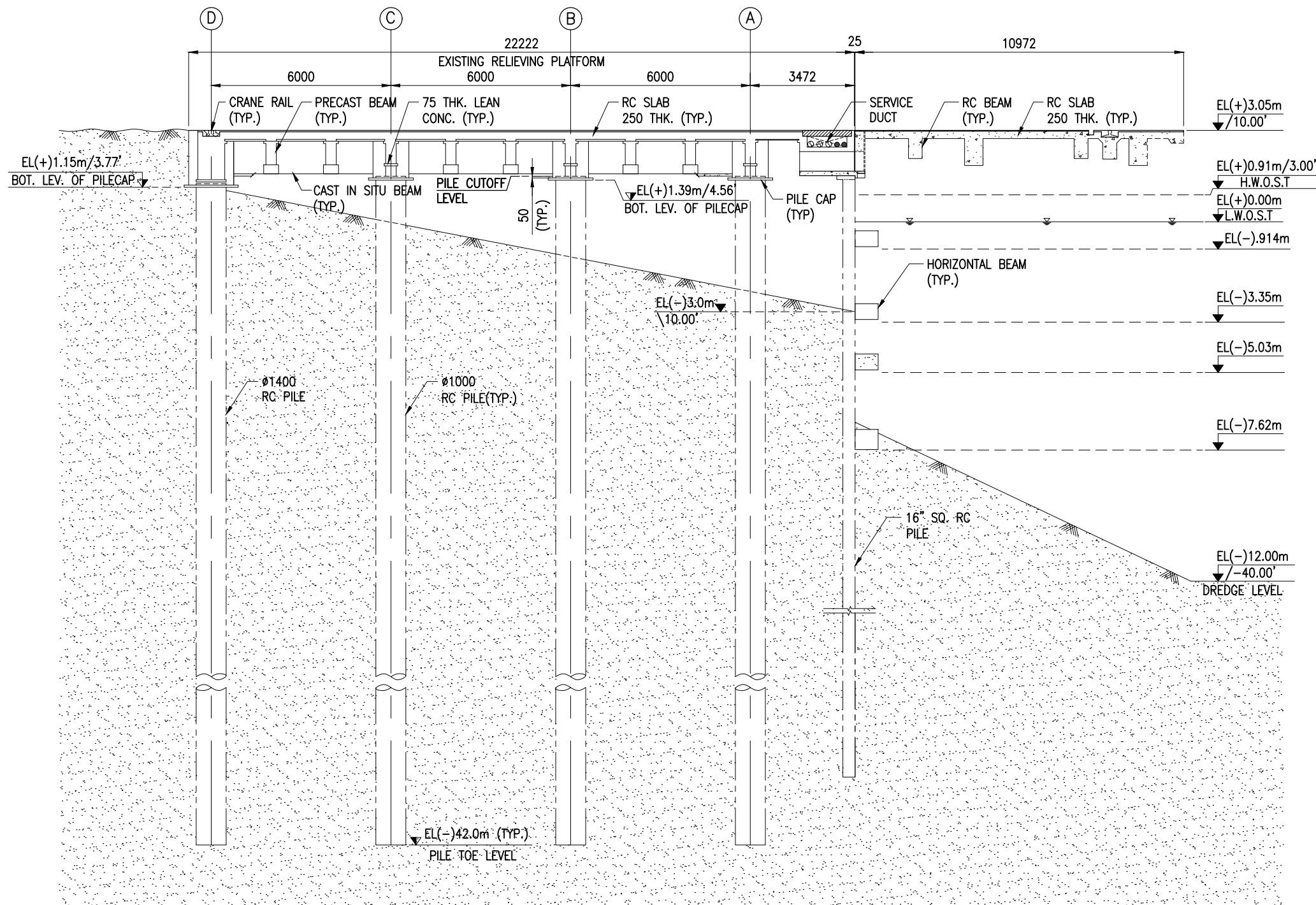


TYPICAL CROSS SECTION OF BERTH – (Q8) **EXISTING** CONDITION
AT NON CAISSON LOCATION
(SCALE 1:150)

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT: PROF.S.NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER: COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 2 OF 10)				
DRAWING NO. IITM-CPA-EWJ-DWG-007-03			DATE: 03.08.26	REV: C



TYPICAL CROSS SECTION OF BERTH – (Q9) **EXISTING** CONDITION
AT NON CAISSON LOCATION
(SCALE 1:150)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED

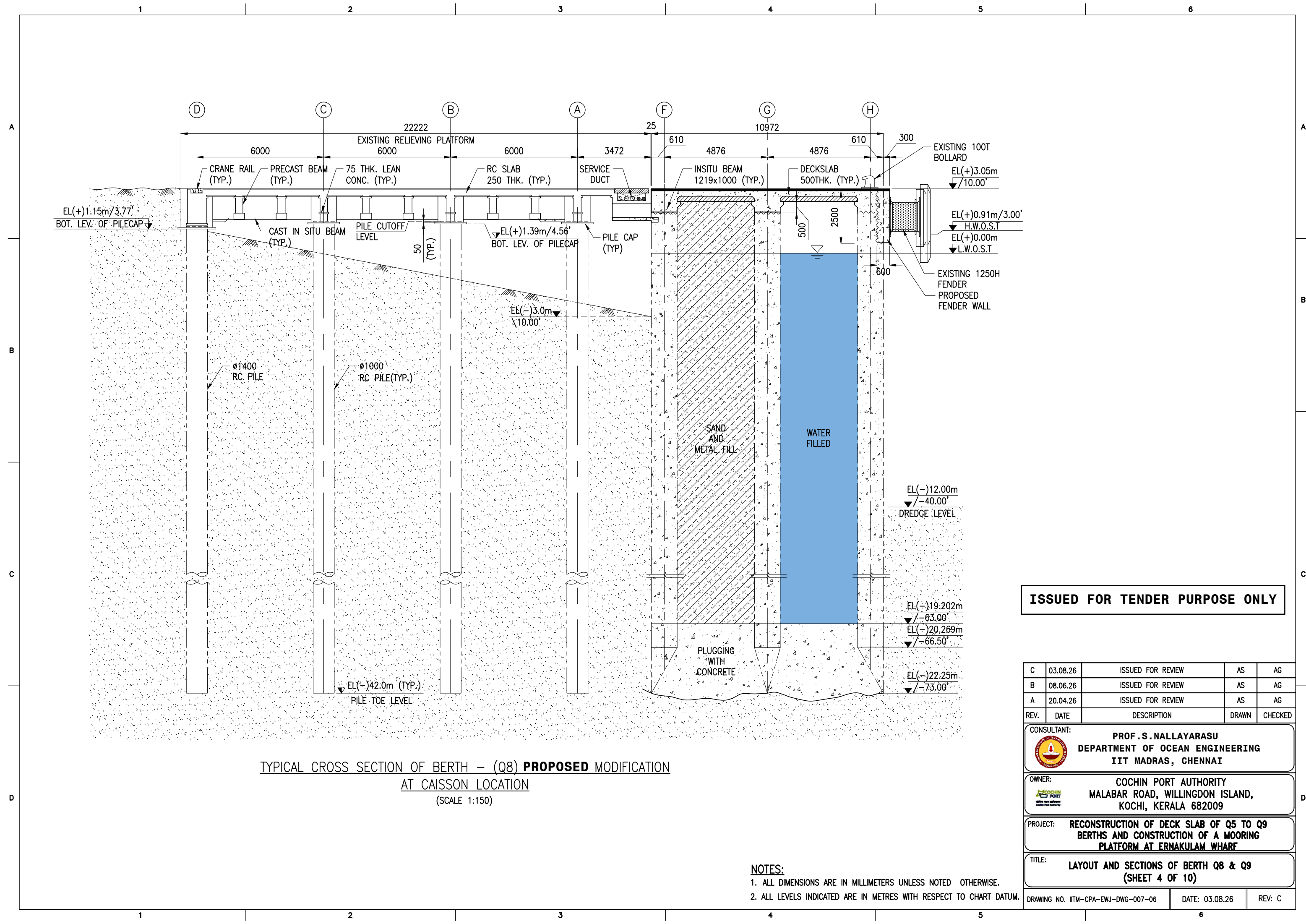
CONSULTANT:	PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI
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OWNER:	COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009
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PROJECT:	RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF
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TITLE:	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 3 OF 10)
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DRAWING NO. IITM-CPA-EWJ-DWG-007-05	DATE: 03.08.26	REV: C
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TYPICAL CROSS SECTION OF BERTH – (Q8) **PROPOSED** MODIFICATION
AT CAISSON LOCATION
(SCALE 1:150)

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED

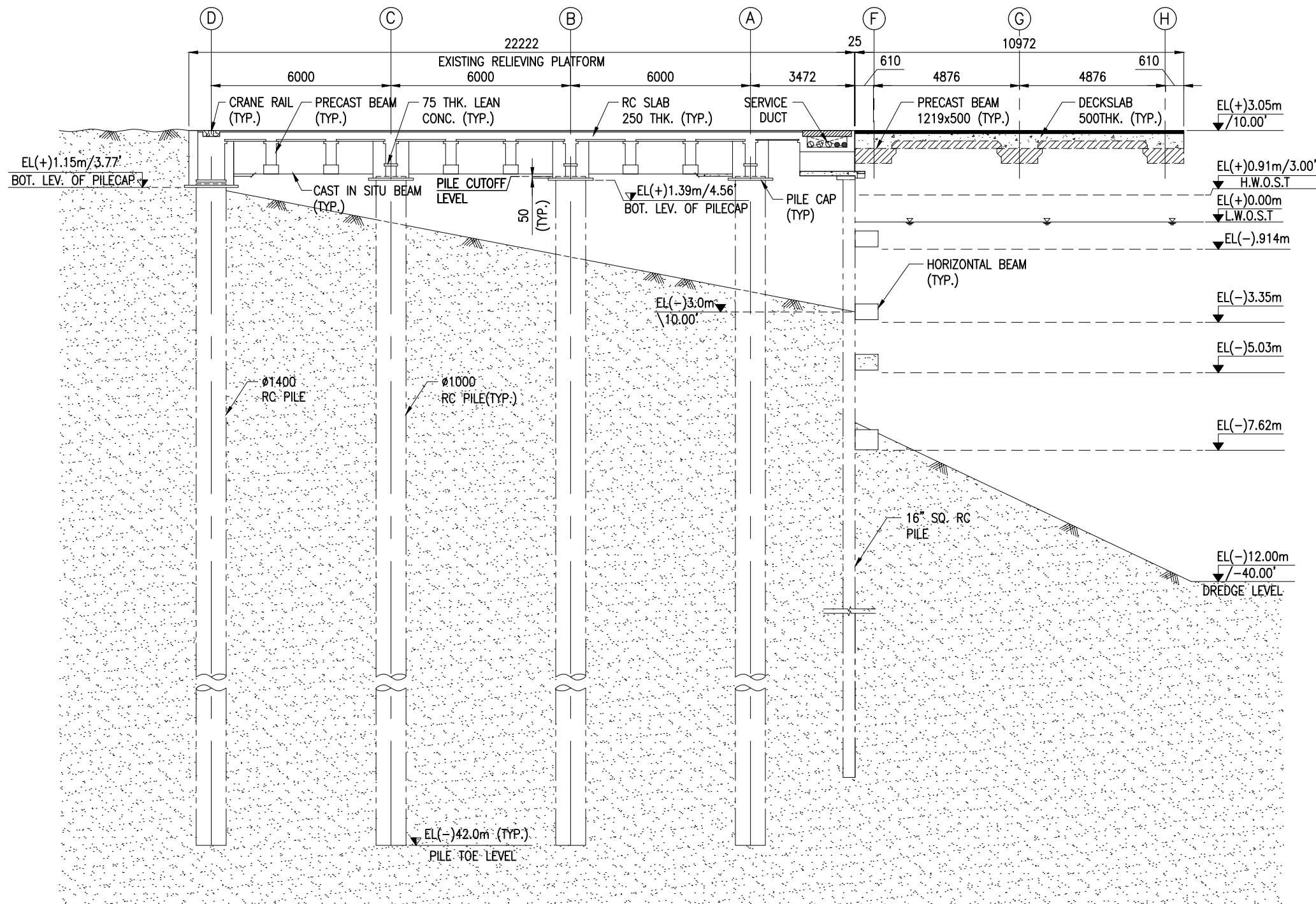
CONSULTANT:
 **PROF. S. NALLAYARASU**
DEPARTMENT OF OCEAN ENGINEERING
IIT MADRAS, CHENNAI

OWNER:
 **COCHIN PORT AUTHORITY**
MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

PROJECT: **RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9
BERTHS AND CONSTRUCTION OF A MOORING
PLATFORM AT ERNAKULAM WHARF**

TITLE: **LAYOUT AND SECTIONS OF BERTH Q8 & Q9
(SHEET 4 OF 10)**

DRAWING NO. IITM-CPA-EWJ-DWG-007-06	DATE: 03.08.26	REV: C
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TYPICAL CROSS SECTION OF BERTH – (Q8) **PROPOSED** MODIFICATION
AT NON CAISSON LOCATION
(SCALE 1:150)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
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A	20.04.26	ISSUED FOR REVIEW	AS	AG
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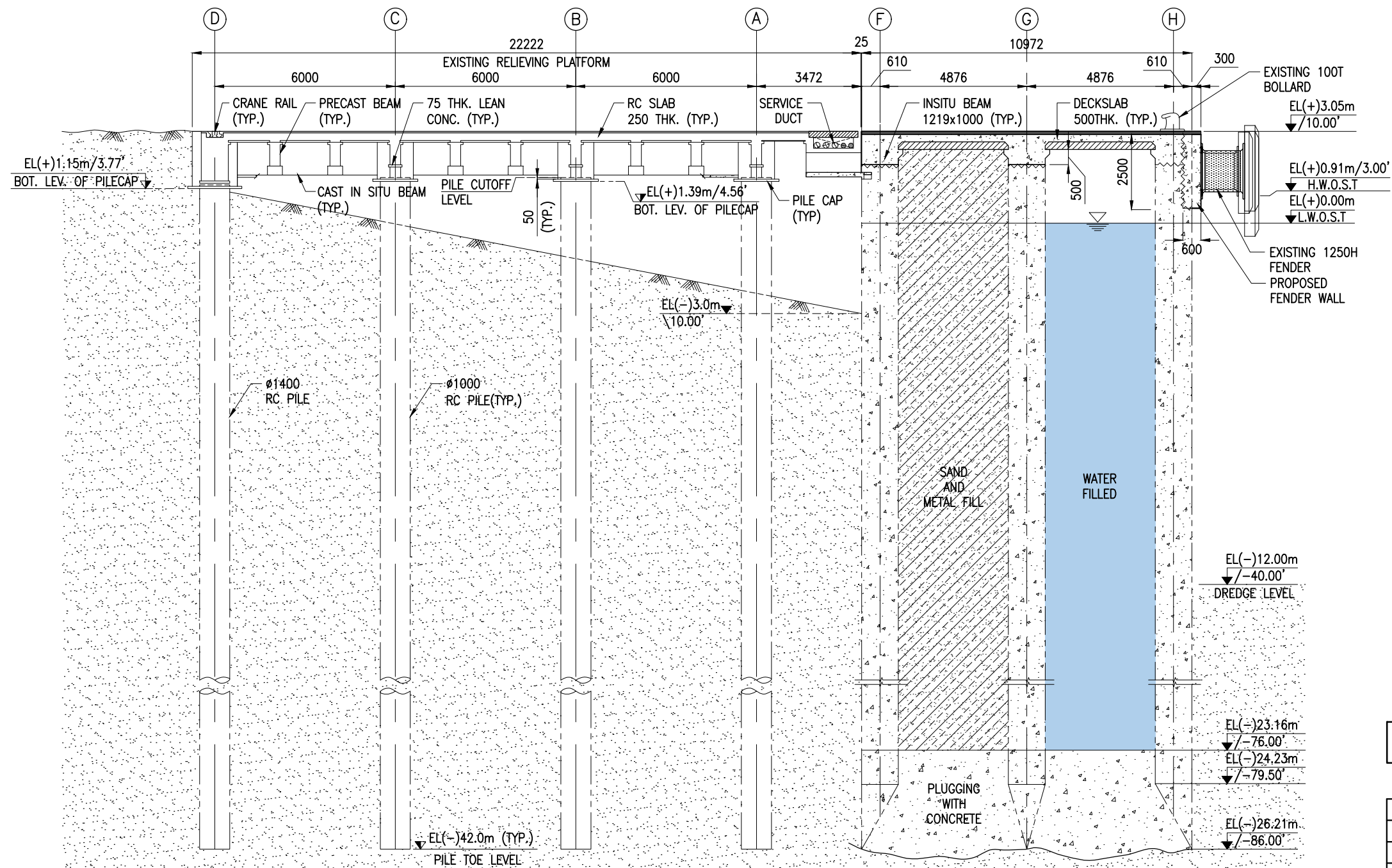
CONSULTANT: **PROF. S. NALLAYARASU**
DEPARTMENT OF OCEAN ENGINEERING
IIT MADRAS, CHENNAI

OWNER: **COCHIN PORT AUTHORITY**
MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

PROJECT: **RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9**
BERTHS AND CONSTRUCTION OF A MOORING
PLATFORM AT ERNAKULAM WHARF

TITLE: **LAYOUT AND SECTIONS OF BERTH Q8 & Q9**
(SHEET 5 OF 10)

DRAWING NO. IITM-CPA-EWJ-DWG-007-07 DATE: 03.08.26 REV: C



TYPICAL CROSS SECTION OF BERTH - (Q9) **PROPOSED** MODIFICATION
AT CAISSON LOCATION
(SCALE 1:150)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
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REV.	DATE	DESCRIPTION	DRAWN	CHECKED

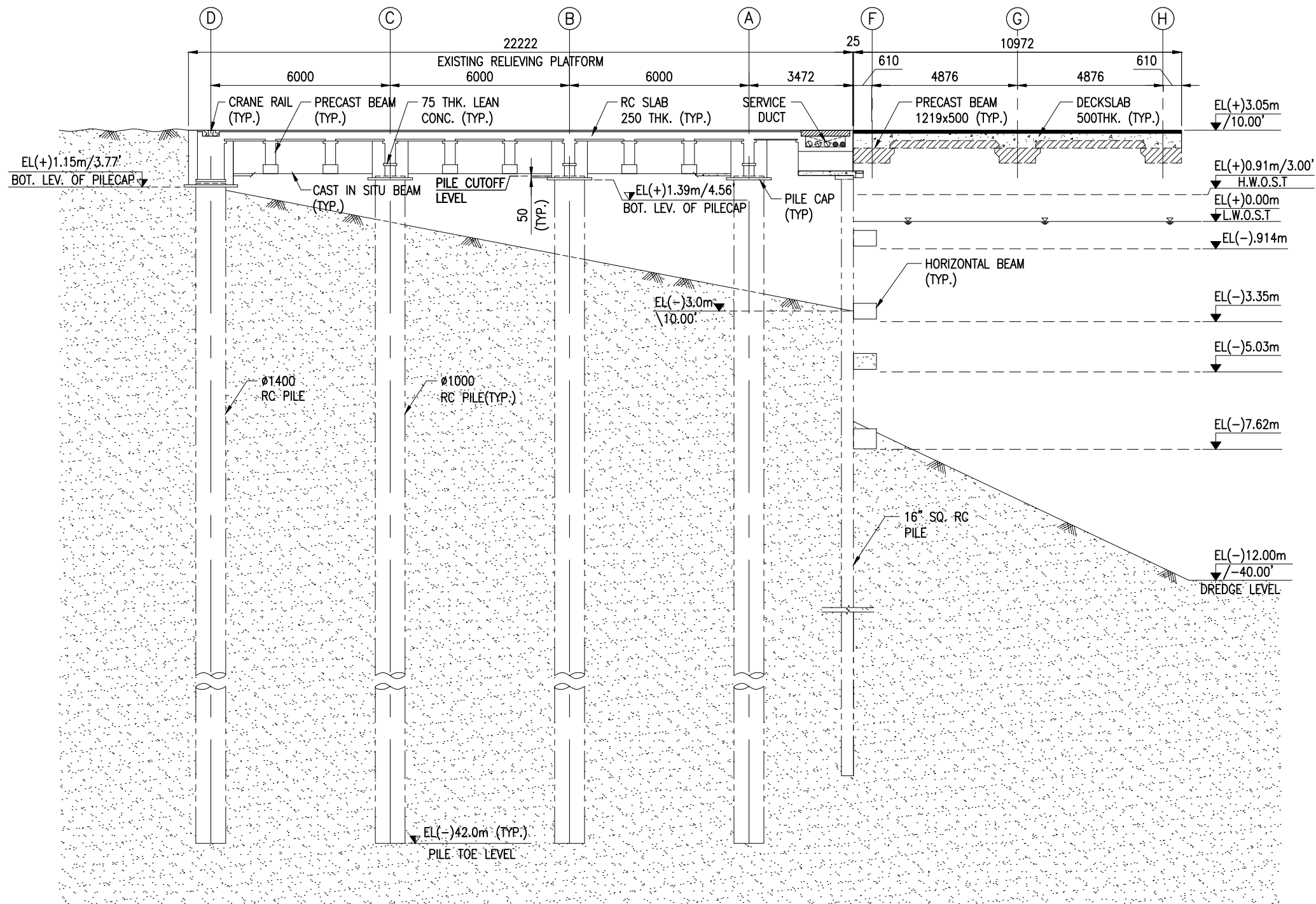
CONSULTANT: **PROF. S. NALLAYARASU**
DEPARTMENT OF OCEAN ENGINEERING
IIT MADRAS, CHENNAI

OWNER: **COCHIN PORT AUTHORITY**
MALABAR ROAD, WILLINGDON ISLAND,
KOCHI, KERALA 682009

PROJECT: **RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9**
BERTHS AND CONSTRUCTION OF A MOORING
PLATFORM AT ERNAKULAM WHARF

TITLE: **LAYOUT AND SECTIONS OF BERTH Q8 & Q9**
(SHEET 6 OF 10)

DRAWING NO. IITM-CPA-EWJ-DWG-007-08 DATE: 03.08.26 REV: C



TYPICAL CROSS SECTION OF BERTH – (Q9) **PROPOSED** MODIFICATION
AT NON CAISSON LOCATION
(SCALE 1:150)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED

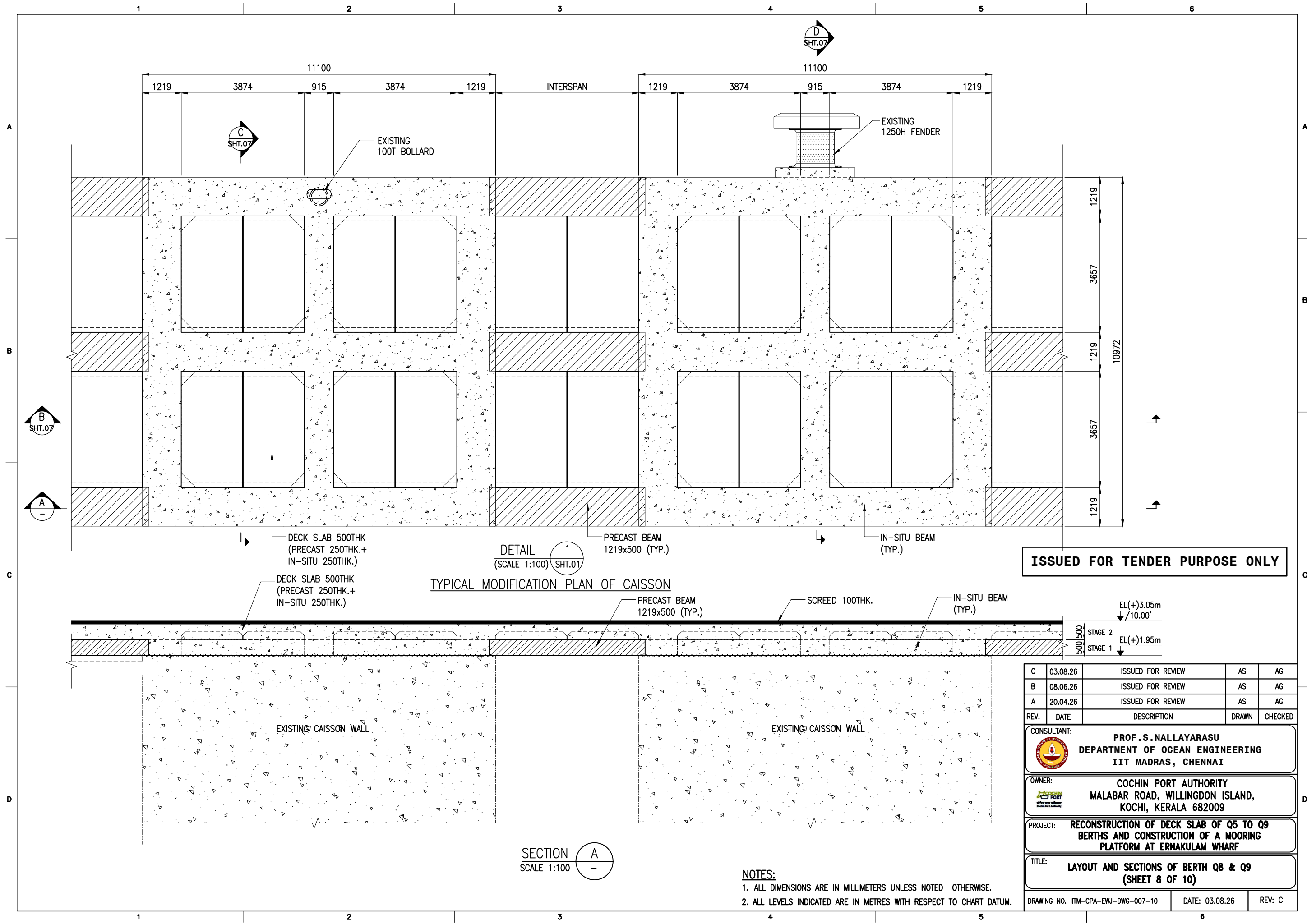
CONSULTANT:	 PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI
-------------	---

OWNER:	 COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009
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PROJECT:	RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF
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TITLE:	LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 7 OF 10)
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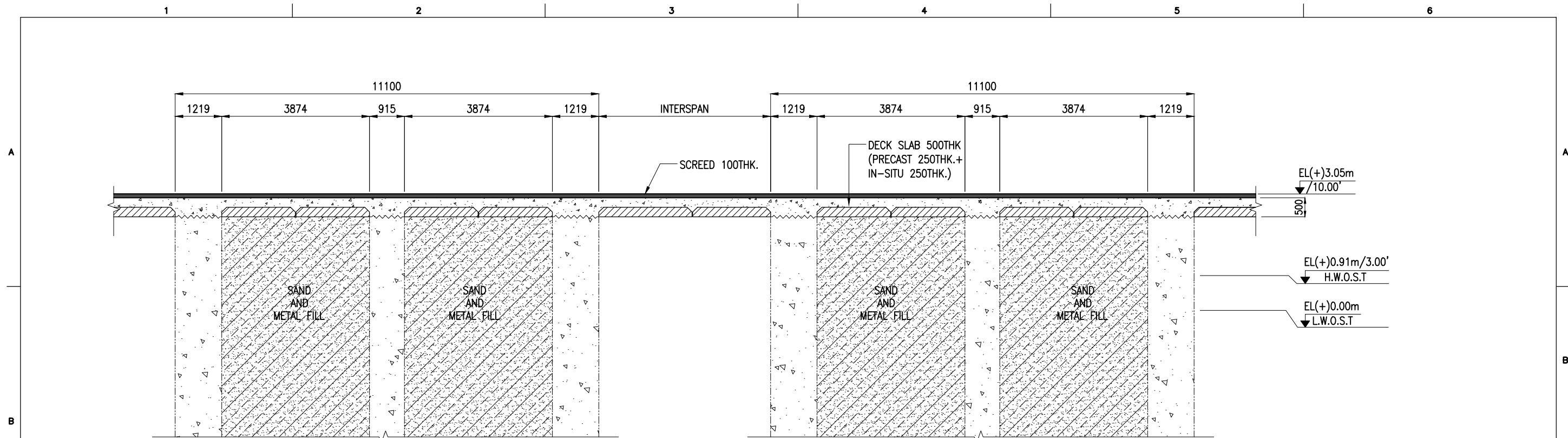
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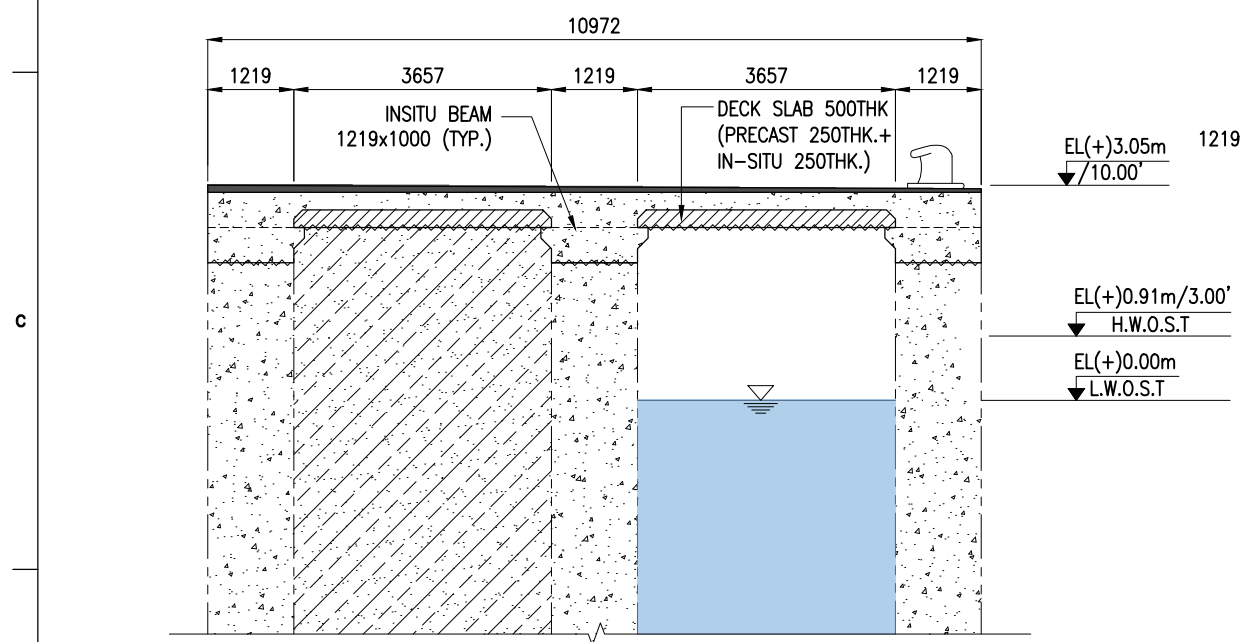
ISSUED FOR TENDER PURPOSE ONLY

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT: PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER: COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 8 OF 10)				
DRAWING NO. IITM-CPA-EWJ-DWG-007-10		DATE: 03.08.26		REV: C

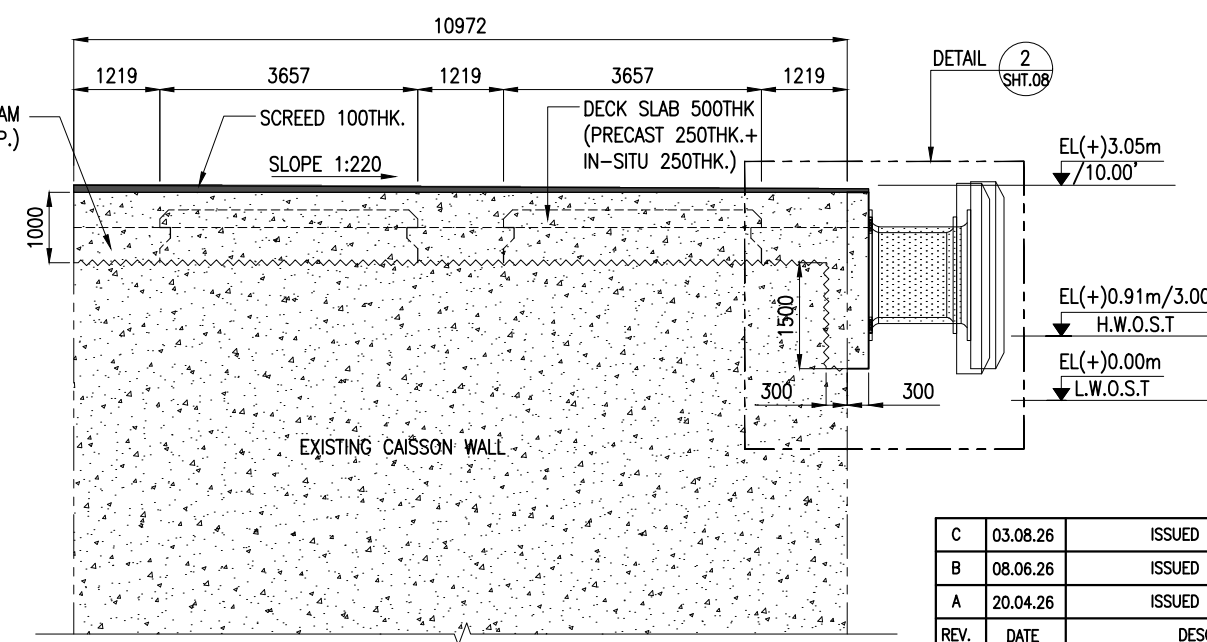
- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.



SECTION B
SCALE 1:100 SHT.06



SECTION C
SCALE 1:100 SHT.06

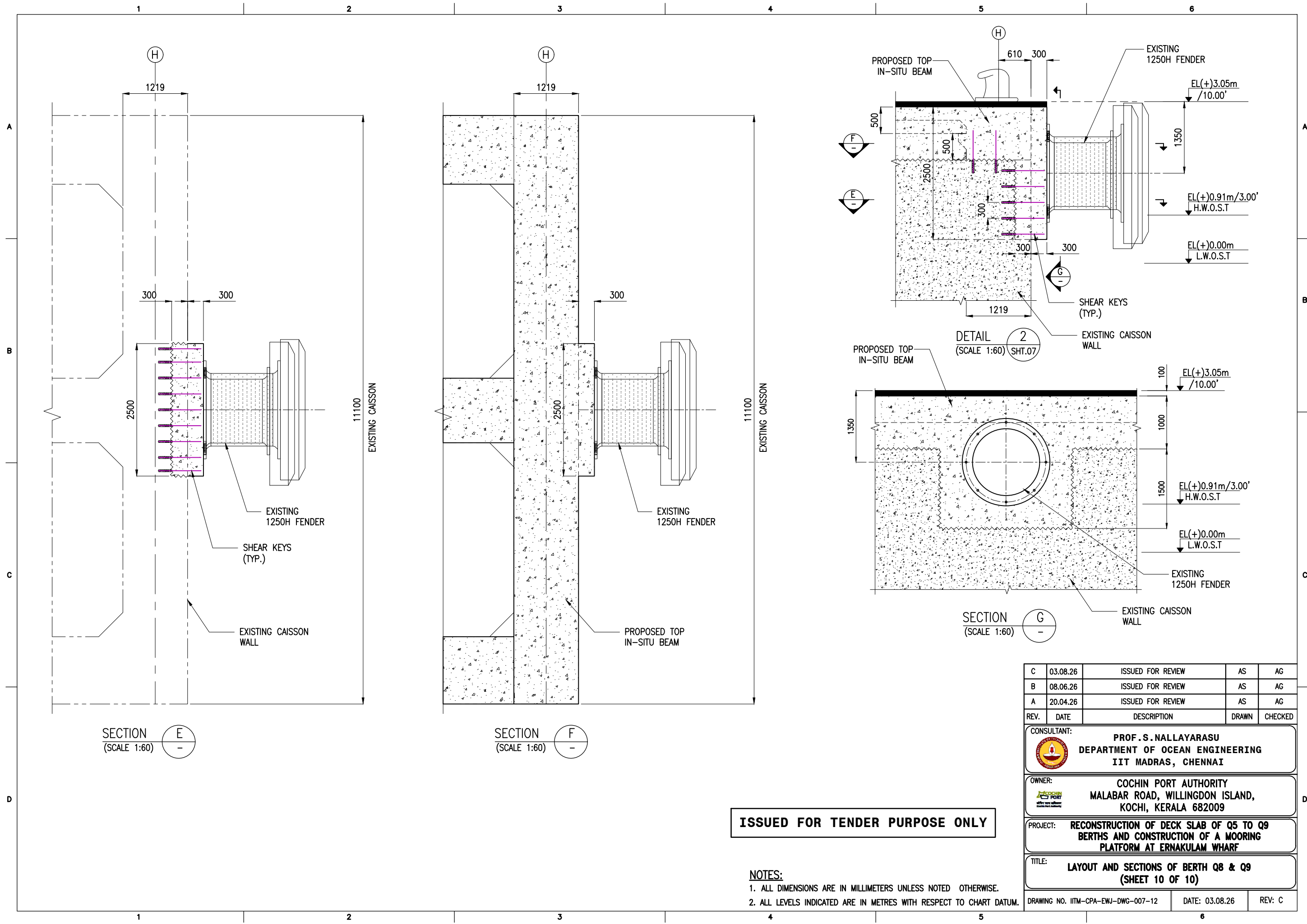


SECTION D
SCALE 1:100 SHT.06

ISSUED FOR TENDER PURPOSE ONLY

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

C	03.08.26	ISSUED FOR REVIEW	AS	AG
B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT: PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER: COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 9 OF 10)				
DRAWING NO. IITM-CPA-EWJ-DWG-007-11			DATE: 03.08.26	REV: C



ISSUED FOR TENDER PURPOSE ONLY

- NOTES:
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 - ALL LEVELS INDICATED ARE IN METRES WITH RESPECT TO CHART DATUM.

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B	08.06.26	ISSUED FOR REVIEW	AS	AG
A	20.04.26	ISSUED FOR REVIEW	AS	AG
REV.	DATE	DESCRIPTION	DRAWN	CHECKED
CONSULTANT: PROF. S. NALLAYARASU DEPARTMENT OF OCEAN ENGINEERING IIT MADRAS, CHENNAI				
OWNER: COCHIN PORT AUTHORITY MALABAR ROAD, WILLINGDON ISLAND, KOCHI, KERALA 682009				
PROJECT: RECONSTRUCTION OF DECK SLAB OF Q5 TO Q9 BERTHS AND CONSTRUCTION OF A MOORING PLATFORM AT ERNAKULAM WHARF				
TITLE: LAYOUT AND SECTIONS OF BERTH Q8 & Q9 (SHEET 10 OF 10)				
DRAWING NO. IITM-CPA-EWJ-DWG-007-12			DATE: 03.08.26	REV: C