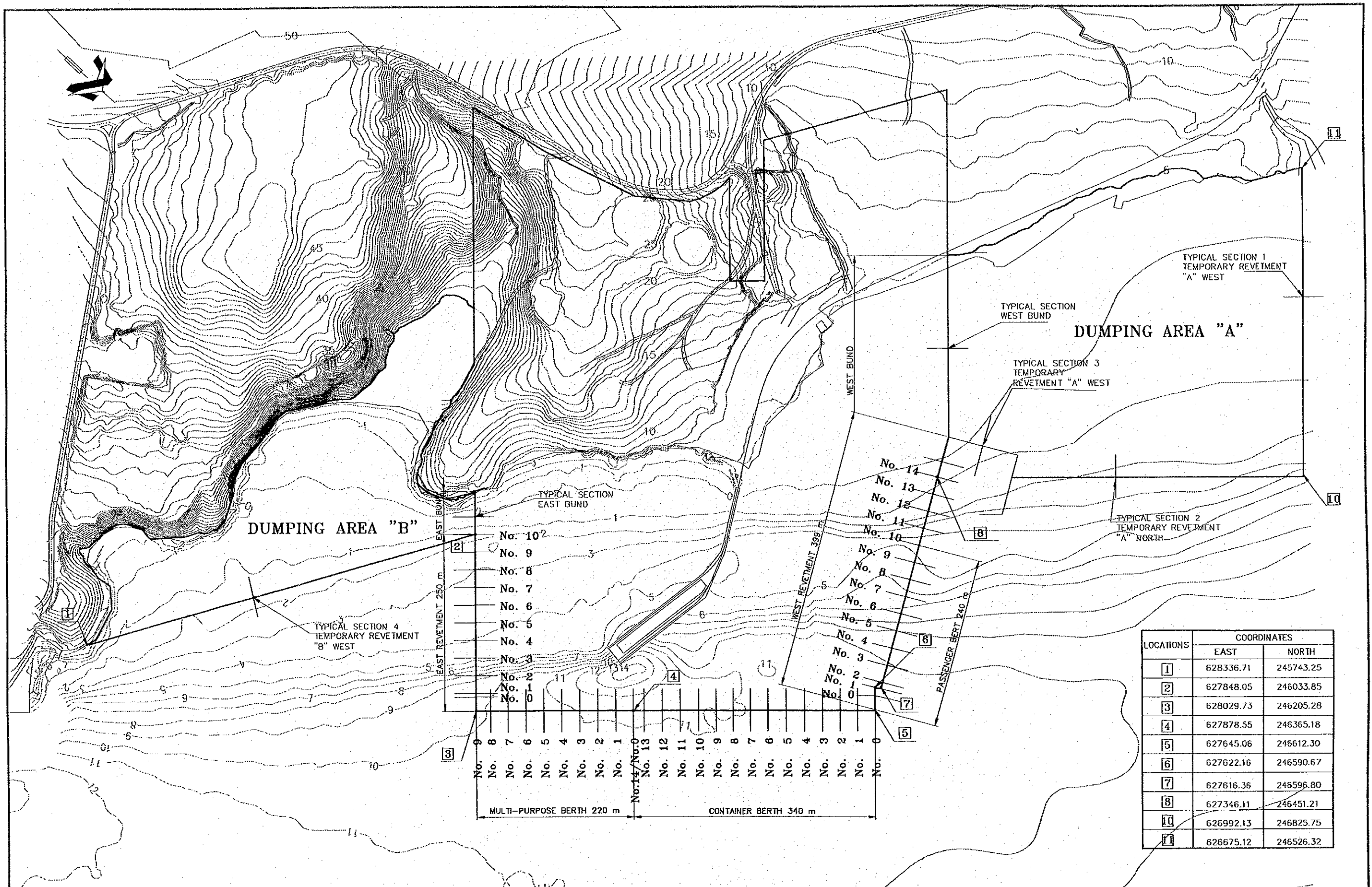





REVETMENT WORKS



LOCATIONS	COORDINATES	
	EAST	NORTH
1	628336.71	245743.25
2	627848.05	246033.85
3	628029.73	246205.28
4	627878.55	246365.18
5	627645.06	246612.30
6	627622.16	246590.67
7	627616.36	246596.80
8	627346.11	246451.21
10	626992.13	246825.75
11	626675.12	246526.32

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

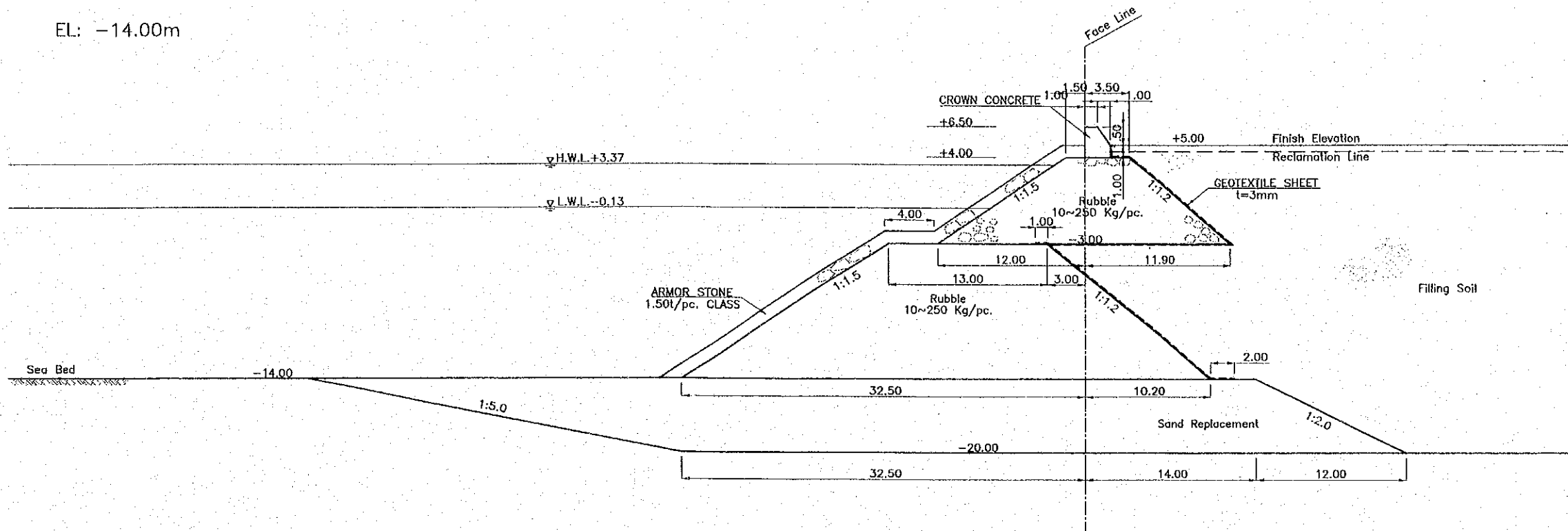
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

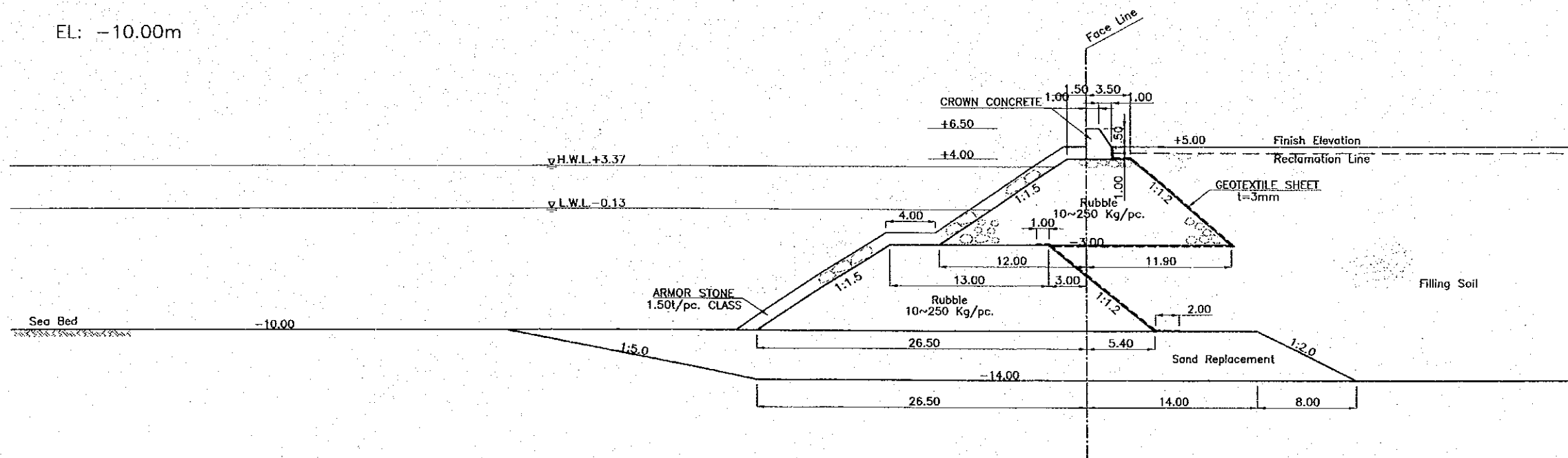
SECTION : REVETMENT WORK
 SUB-SECTION : GENERAL
 TITLE : PLAN OF REVETMENT

DATE : OCTOBER/2002
 SCALE : 1 : 5000
 DRAWING NO : RV-00-001

EL: -14.00m



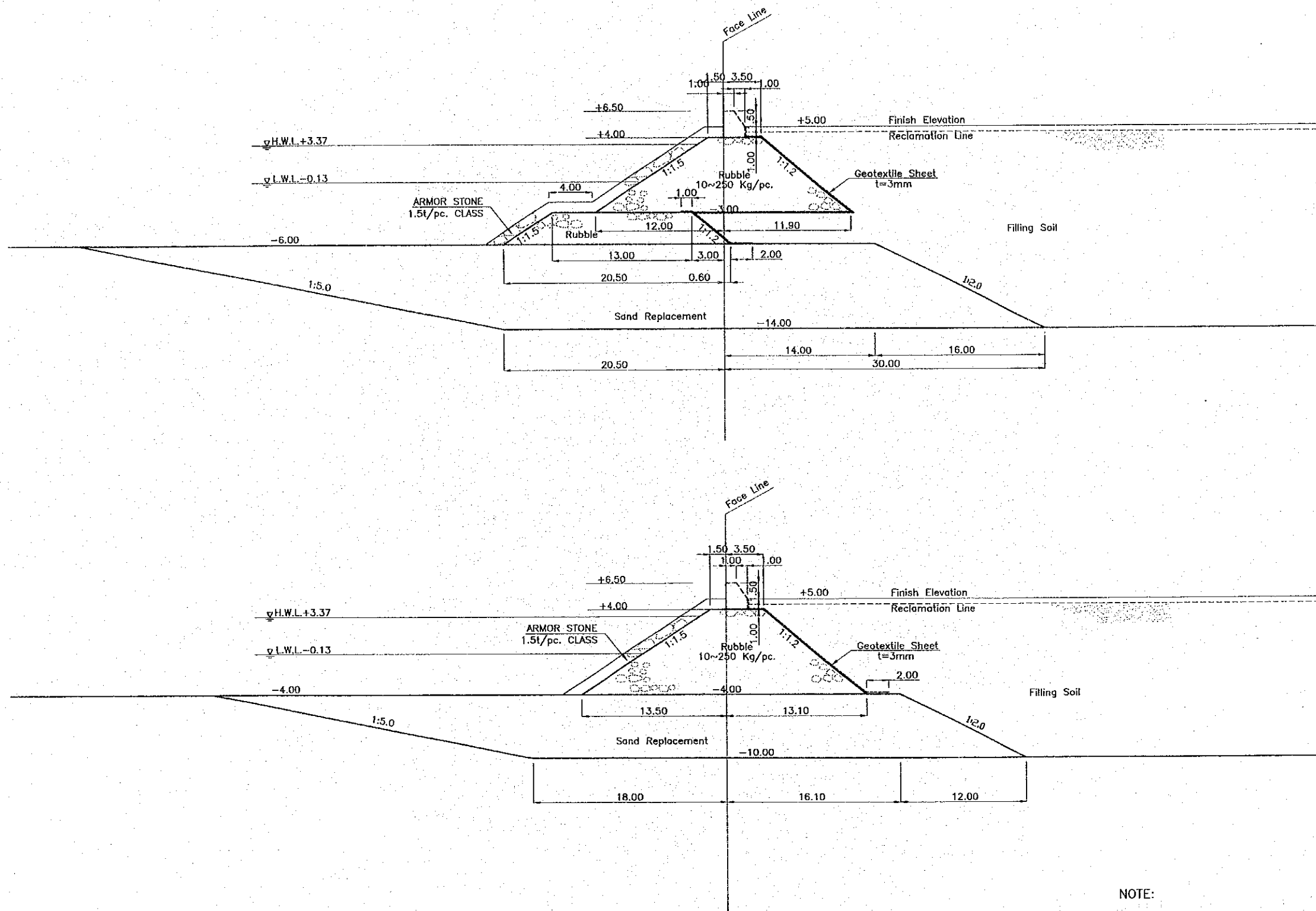
EL: -10.00m



NOTE:



MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.


REV. NO.		DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
										CHECKED BY : APPROVED BY :	REVETMENT WORK GENERAL	OCTOBER/2002
							TYPICAL CROSS SECTIONS OF EAST REVETMENT (1)			SCALE :		
										1 : 400		
										DRAWING NO.:		
										RV-00-002		



NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

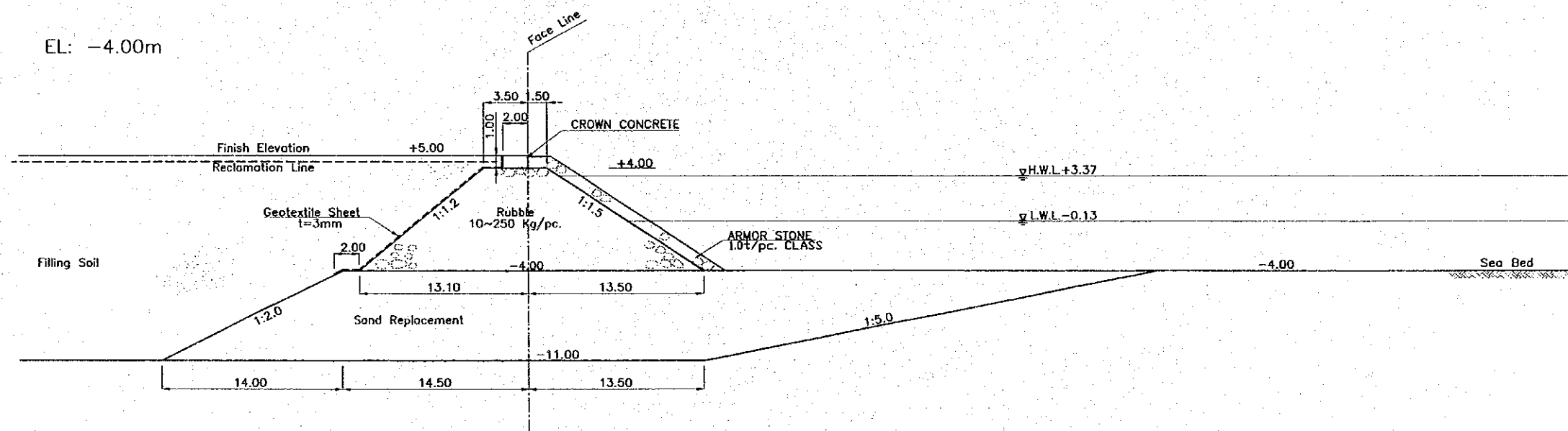
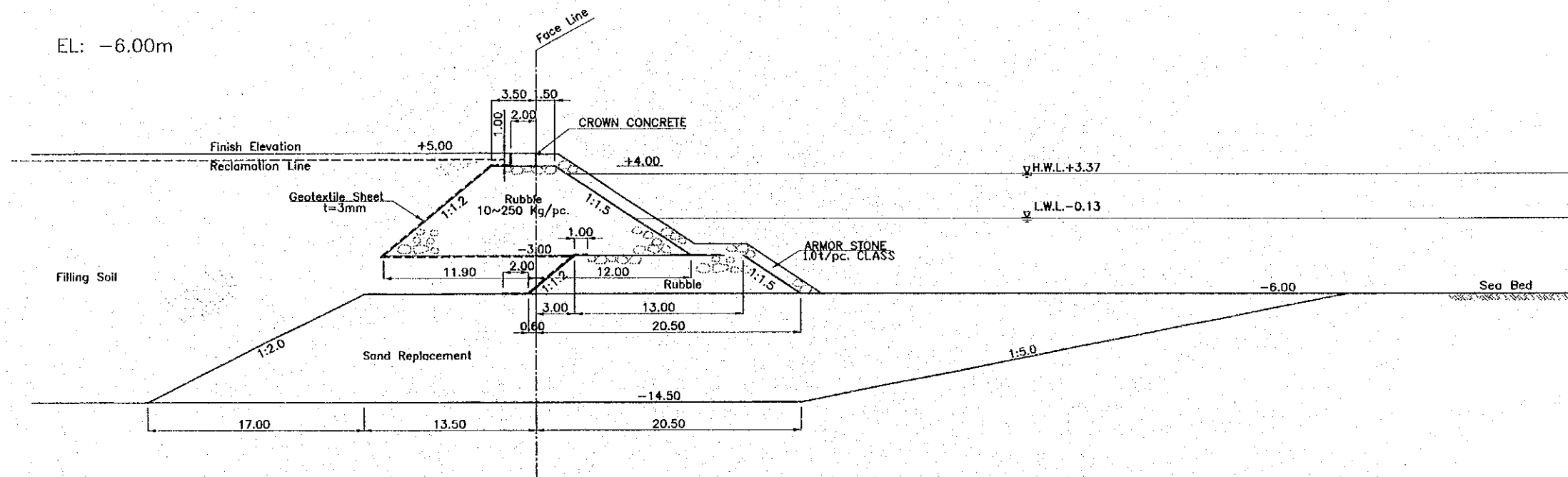
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : REVETMENT WORK
 SUB-SECTION : GENERAL
 TITLE : TYPICAL CROSS SECTIONS OF EAST REVETMENT (2)

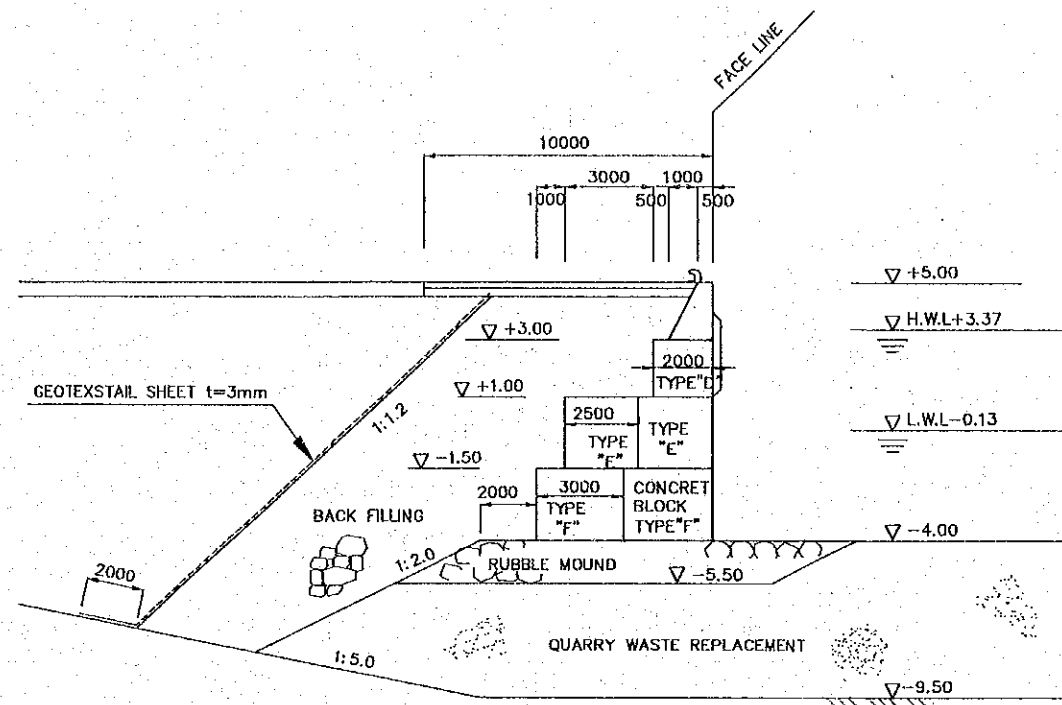
DATE : OCTOBER/2002
 SCALE : 1 : 400
 DRAWING NO: RV-00-003



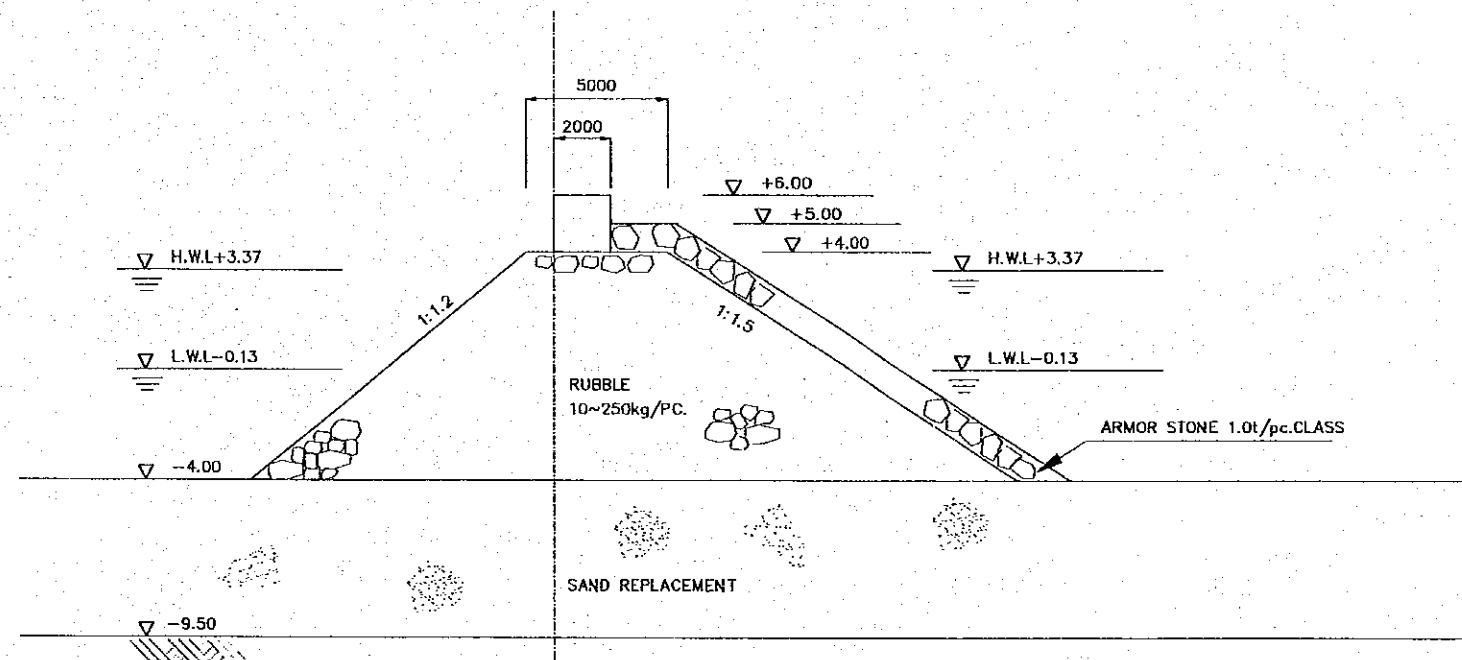
NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.		DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
												CHECKED BY :
										APPROVED BY :	TITLE :	SCALE :
											TYPICAL CROSS SECTIONS OF WEST REVETMENT (2)	1 : 400
												DRAWING NO. : RV-00-005



(SMALL CRAFT BASIN)



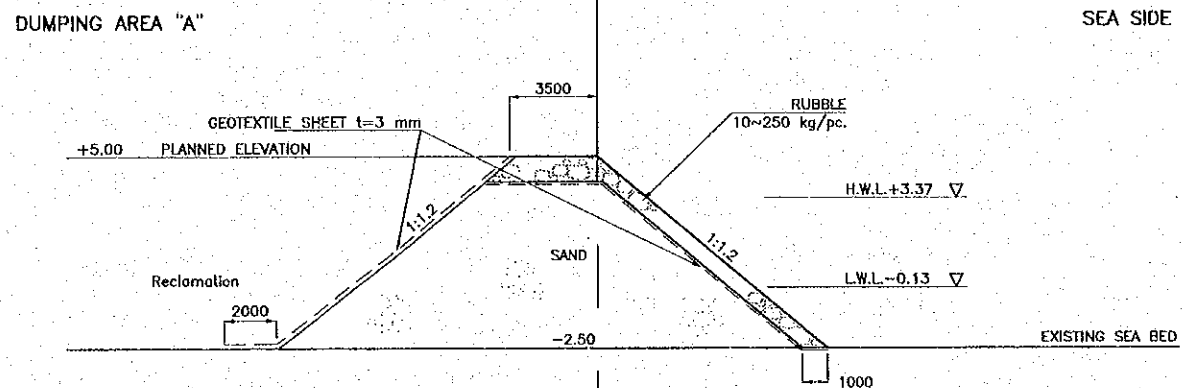
(BREAK WATER)

NOTE:

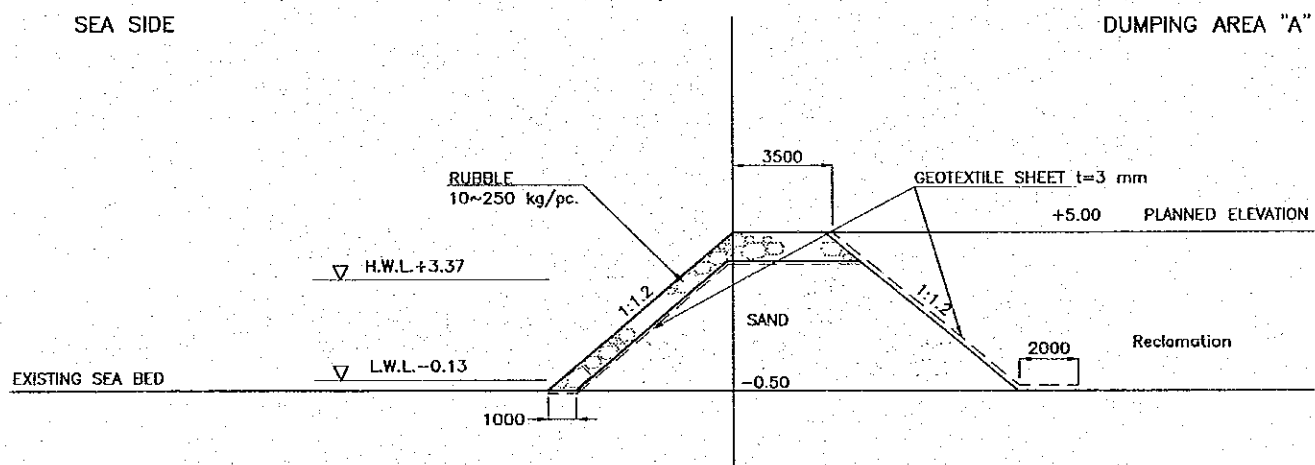
MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :	
					CHECKED BY :			SUB-SECTION :	REVISION :	SCALE :	DATE :
					APPROVED BY :			TITLE :		SCALE :	DATE :
							REVETMENT WORK GENERAL TYPICAL CROSS SECTIONS OF WEST REVETMENT (3)			DRAWING NO: RV-00-006	

TYPICAL SECTION 1
 TEMPORARY REVETMENT
 DUMPING AREA "A" NORTH
 (FOR REFERENCE)



TYPICAL SECTION 2
 TEMPORARY REVETMENT
 DUMPING AREA "A" WEST
 (FOR REFERENCE)



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE



JAPAN INTERNATIONAL
 COOPERATION AGENCY
 (JICA)
 COMISION EJECUTIVA
 PORTUARIA AUTONOMA
 (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR



DESIGNED BY :

CHECKED BY :

APPROVED BY :

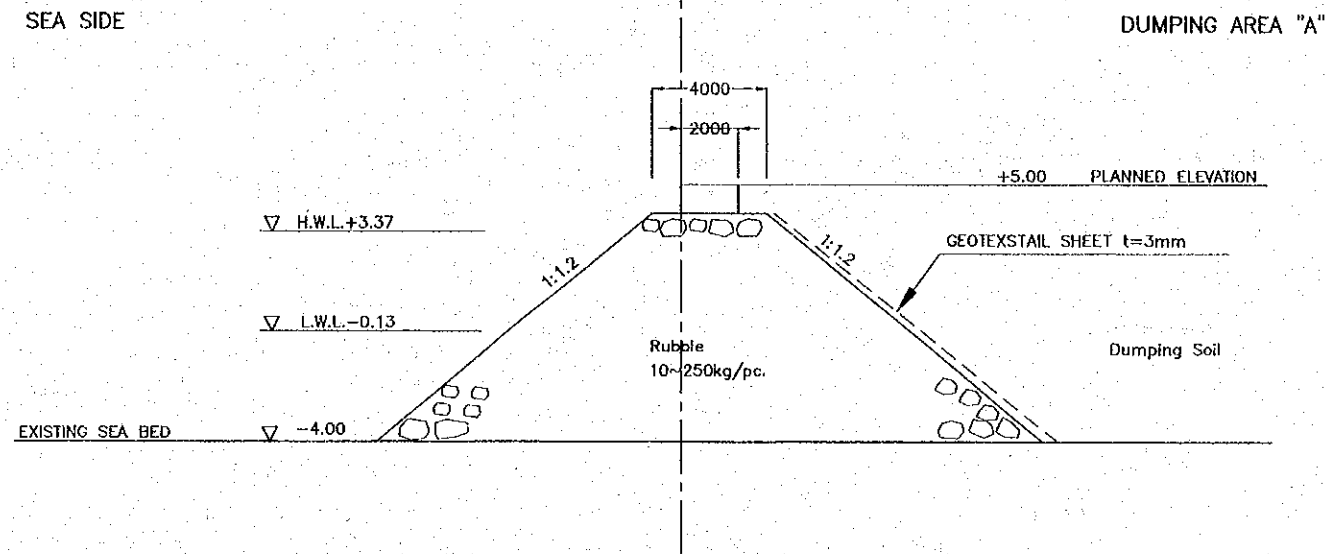
SECTION : REVETMENT WORK
 SUB-SECTION : GENERAL
 TITLE : TYPICAL SECTIONS OF
 TEMPORARY REVETMENT
 DUMPING AREA (1)

DATE : OCTOBER/2002

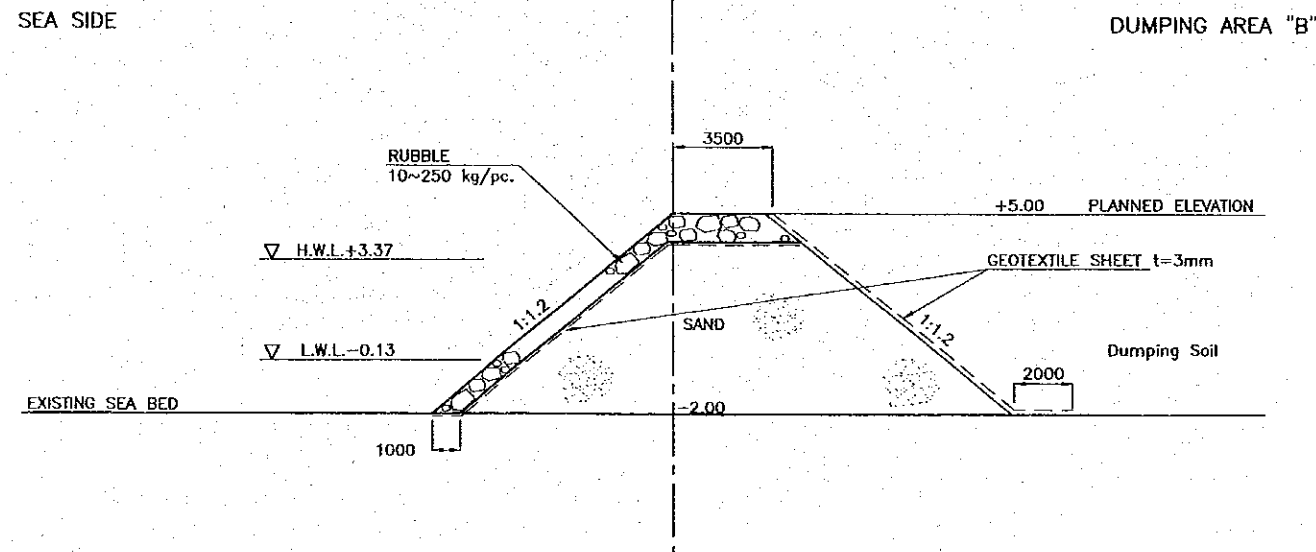
SCALE : 1 : 250

DRAWING NO. : RV-00-007

TYPICAL SECTION 3
 TEMPORARY REVETMENT
 DUMPING AREA "A"
 (FOR REFERENCE)



TYPICAL SECTION 4
 TEMPORARY REVETMENT
 DUMPING AREA "B"
 (FOR REFERENCE)



REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE



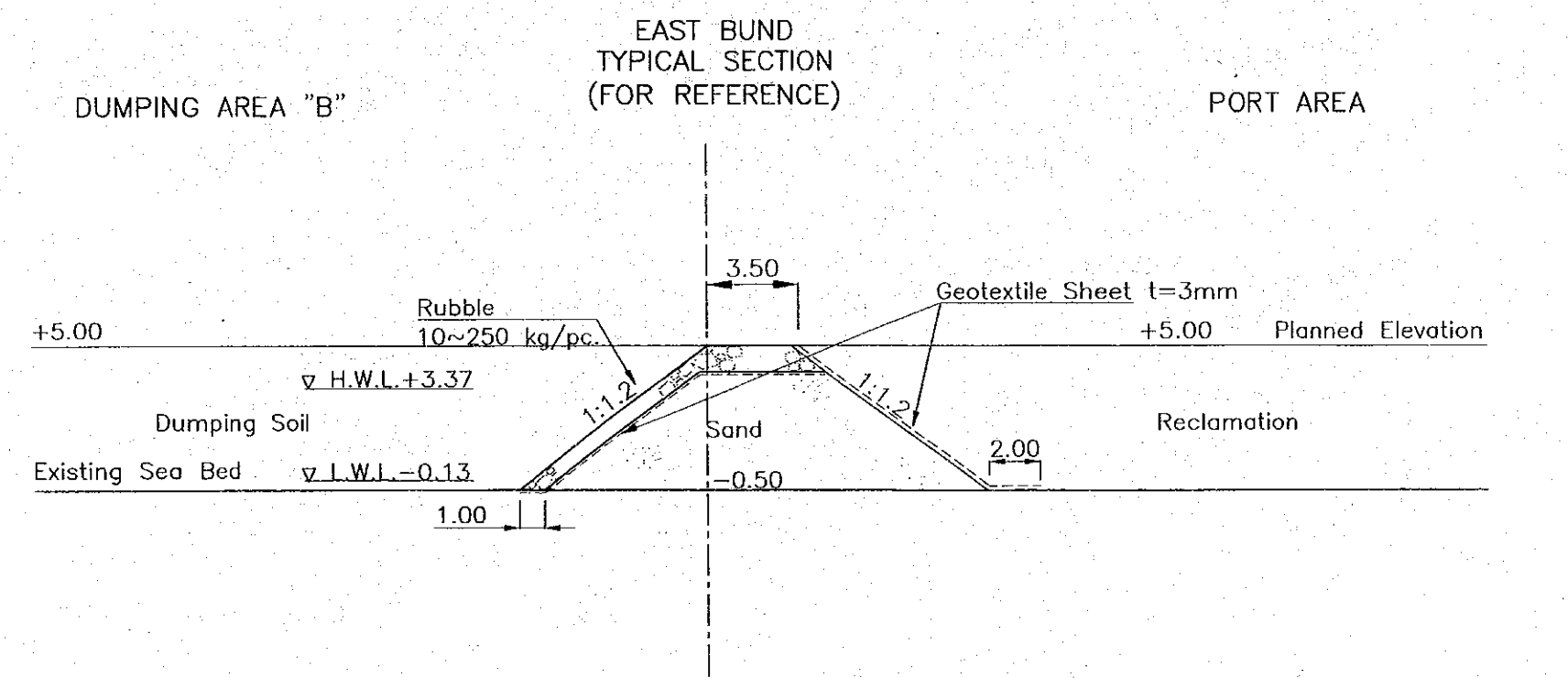
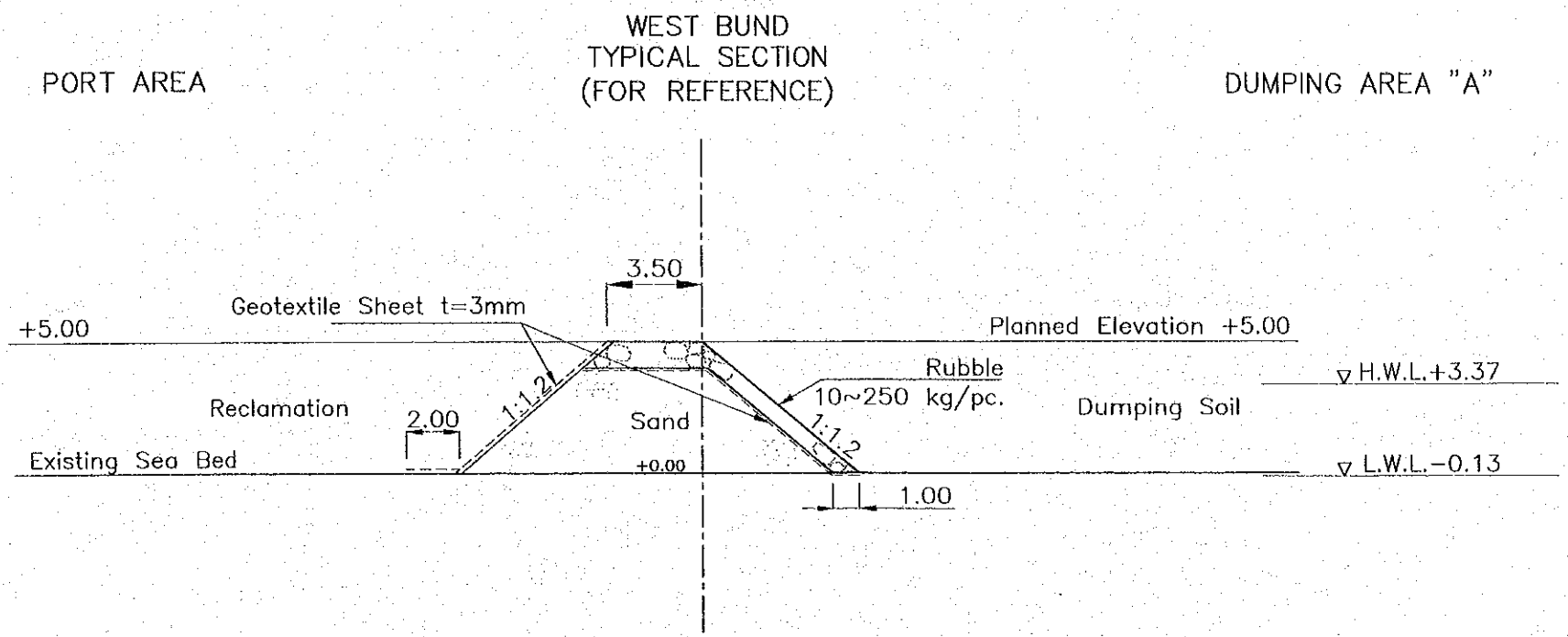
JAPAN INTERNATIONAL
 COOPERATION AGENCY
 (JICA)
 COMISION EJECUTIVA
 PORTUARIA AUTONOMA
 (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

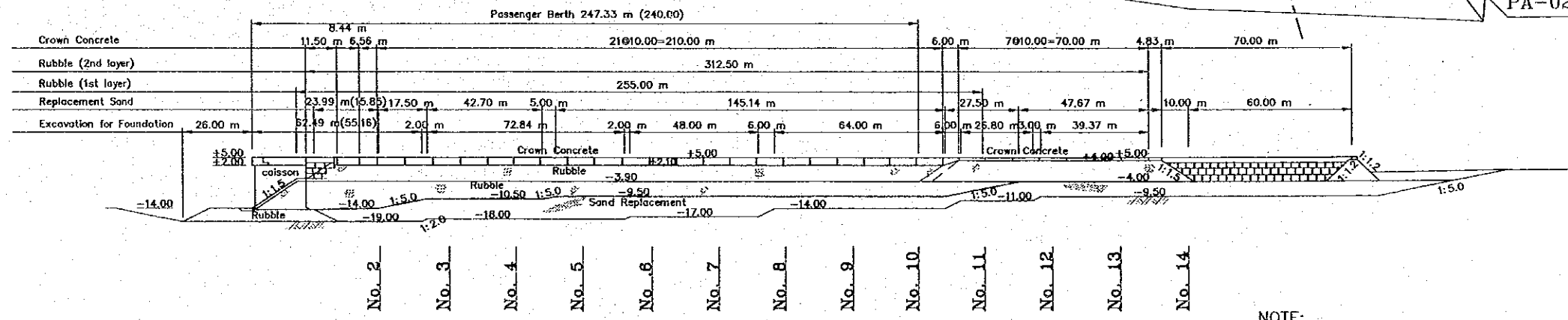
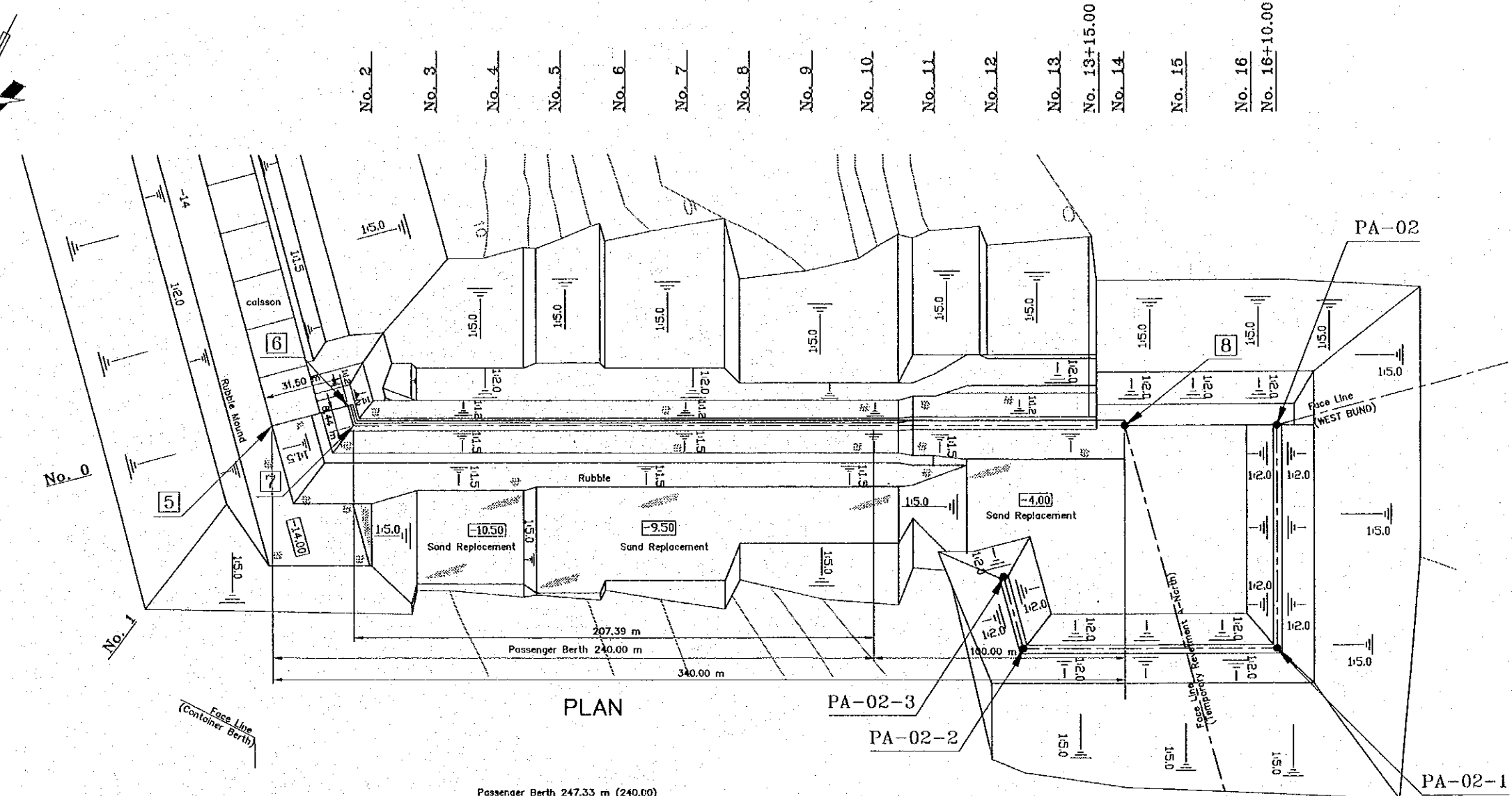
DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : REVETMENT WORK
 SUB-SECTION : GENERAL
 TITLE : TYPICAL SECTIONS OF
 TEMPORARY REVETMENT
 DUMPING AREA (2)

DATE : OCTOBER/2002
 SCALE : 1 : 250
 DRAWING NO. : RV-00-008

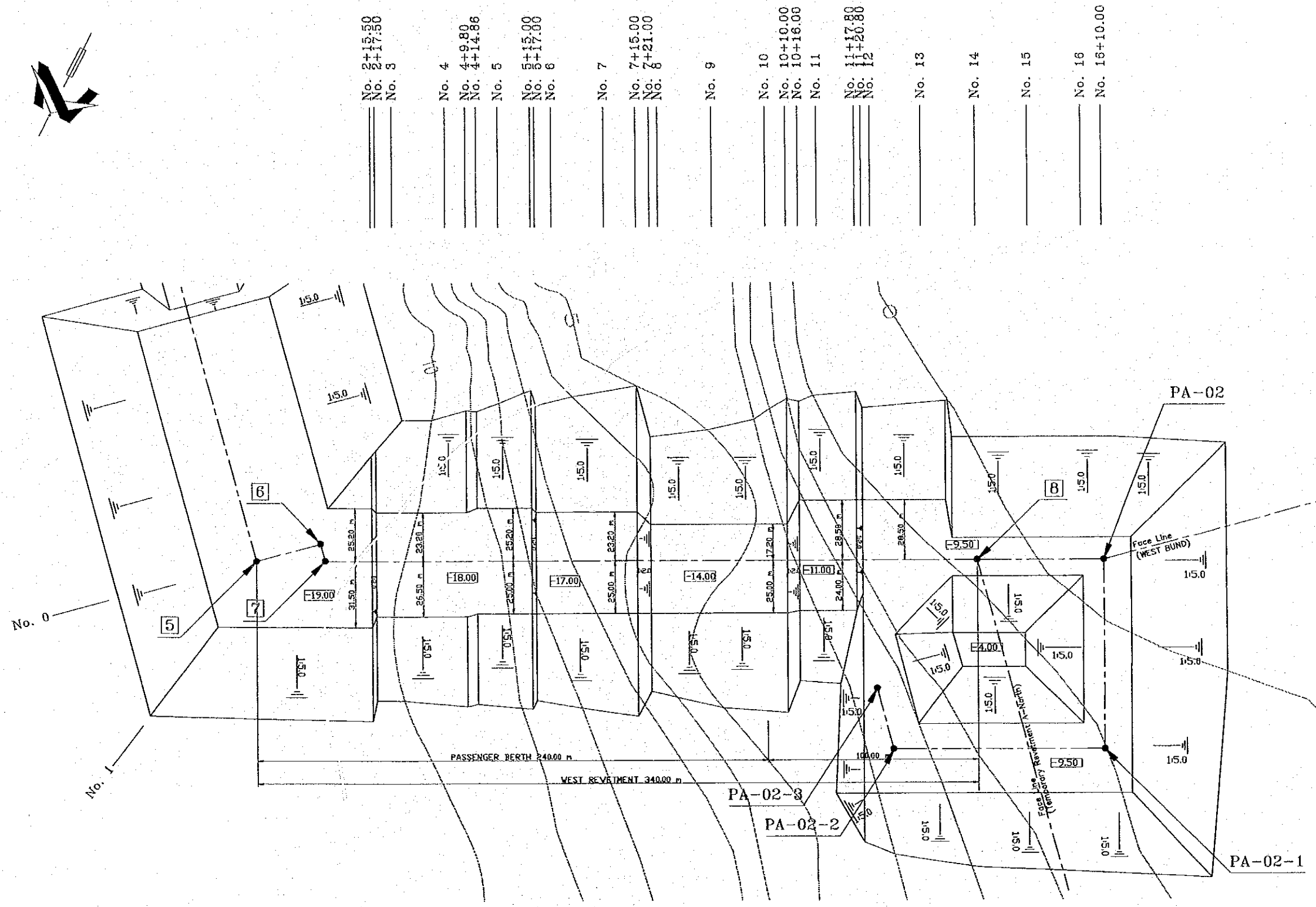


	 JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 CEPA COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY : CHECKED BY : APPROVED BY :	SECTION : REVTMENT WORK SUB-SECTION : GENERAL TITLE : TYPICAL CROSS SECTIONS OF TEMPORARY BUND (EAST-WEST)	DATE : OCTOBER/2002 SCALE : 1:250 DRAWING NO : RV-00-009
REV. NO. : DATE	COORDINATE	BY : APPROVED : DATE				




NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.


REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
					CHECKED BY :			SUB-SECTION :	REVETMENT WORK	OCTOBER/2002
					APPROVED BY :			TITLE :	WEST REVETMENT	SCALE : 1 : 2000
							PLAN AND PROFILE		DRAWING NO. : RV-01-001	



No. 2	15.50
No. 2	17.50
No. 3	
No. 4	
No. 4	9.80
No. 4	14.86
No. 5	
No. 5	15.00
No. 5	17.00
No. 6	
No. 7	
No. 7	15.00
No. 7	21.00
No. 9	
No. 10	
No. 10	10.00
No. 10	16.00
No. 11	
No. 11	17.80
No. 11	20.80
No. 13	
No. 14	
No. 15	
No. 16	
No. 16	10.00

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

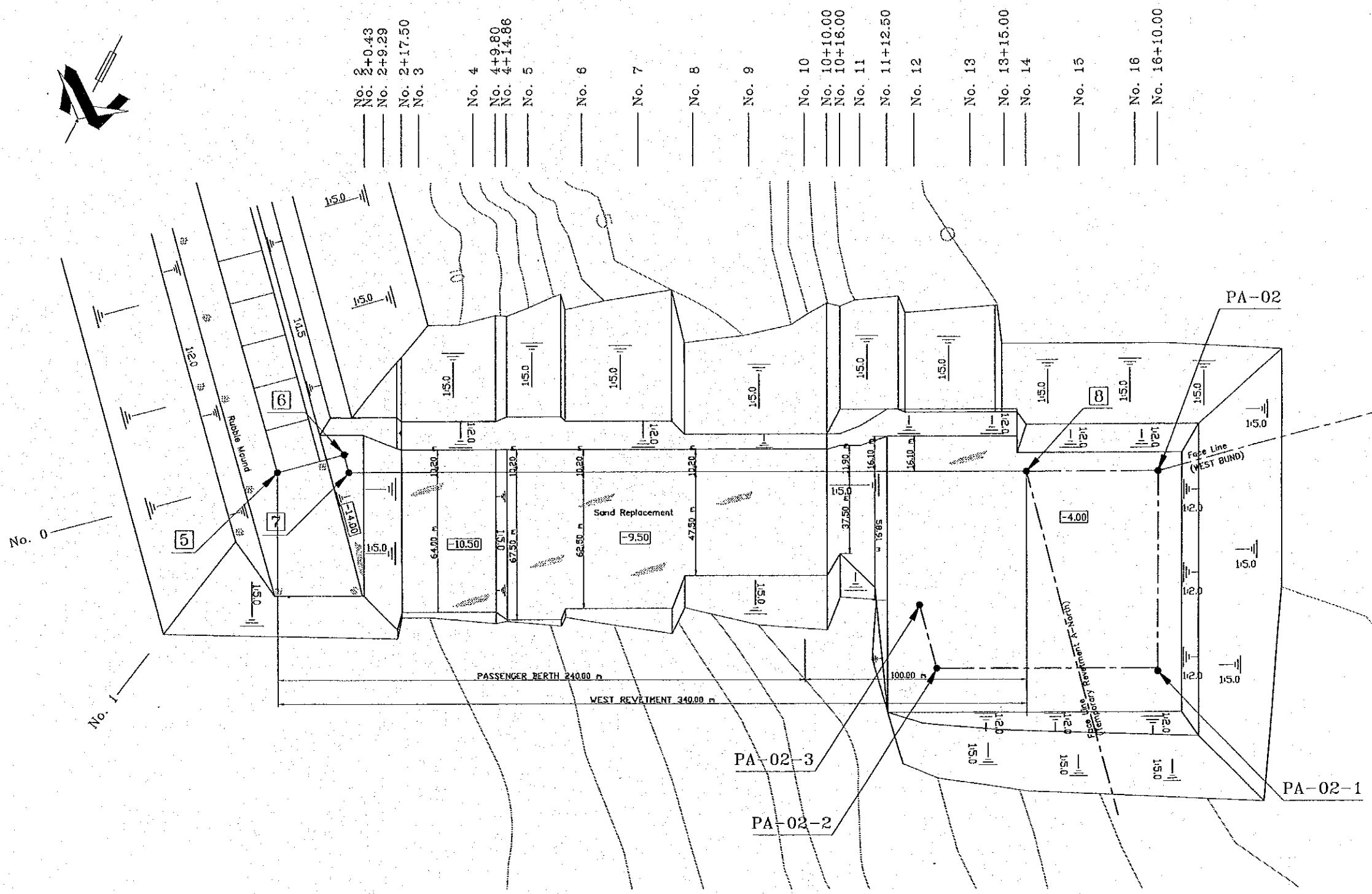

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION :	REVETMENT WORK
SUB-SECTION :	WEST REVETMENT
TITLE :	PLAN OF DREDGING

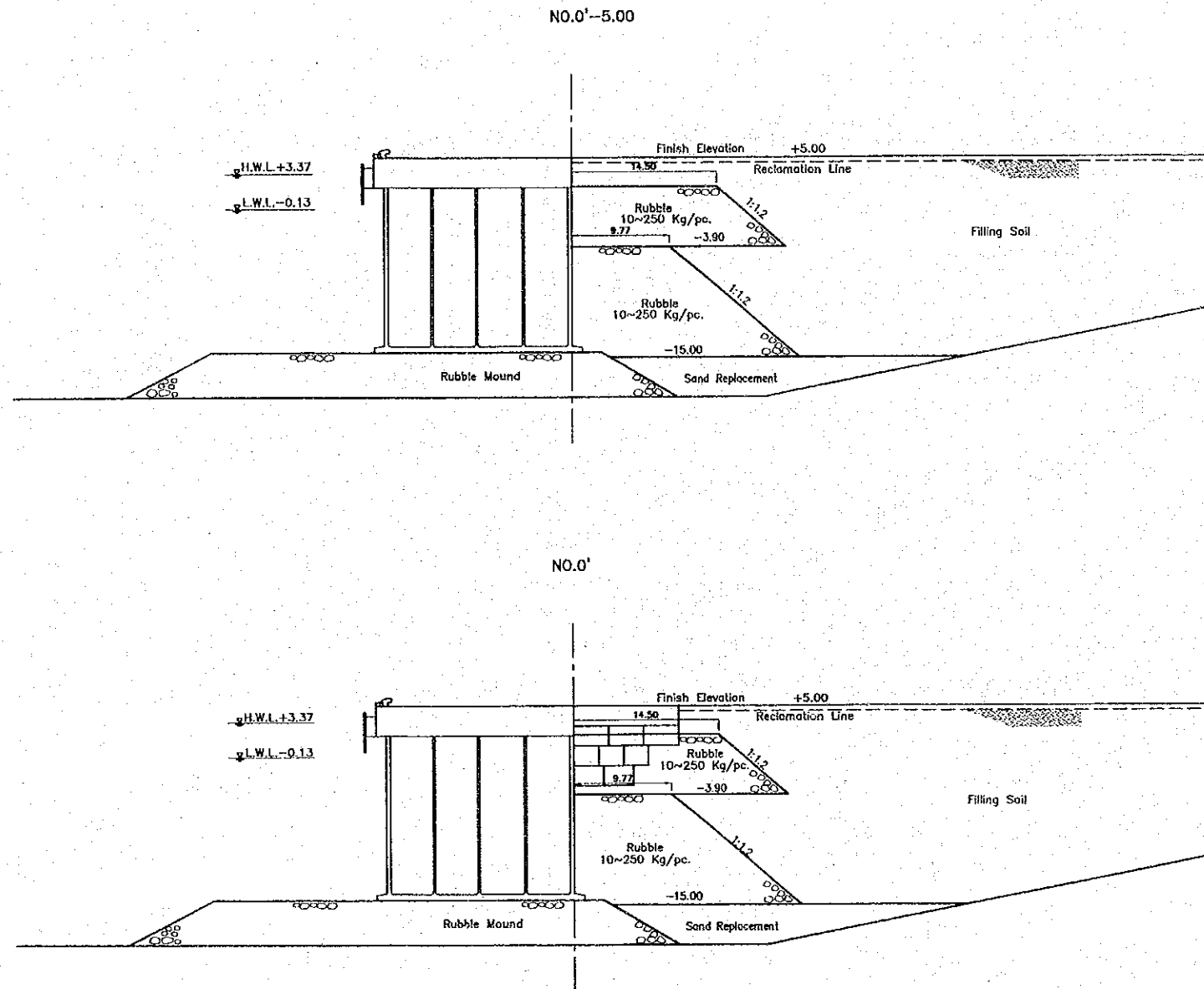
DATE :	OCTOBER/2002
SCALE :	1 : 2000
DRAWING NO. :	RV-01-002



- No. 2+0.43
- No. 2+9.29
- No. 2+17.50
- No. 3
- No. 4
- No. 4+9.80
- No. 4+14.86
- No. 5
- No. 6
- No. 7
- No. 8
- No. 9
- No. 10
- No. 10+10.00
- No. 10+16.00
- No. 11
- No. 11+12.50
- No. 12
- No. 13
- No. 13+15.00
- No. 14
- No. 15
- No. 16
- No. 16+10.00

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

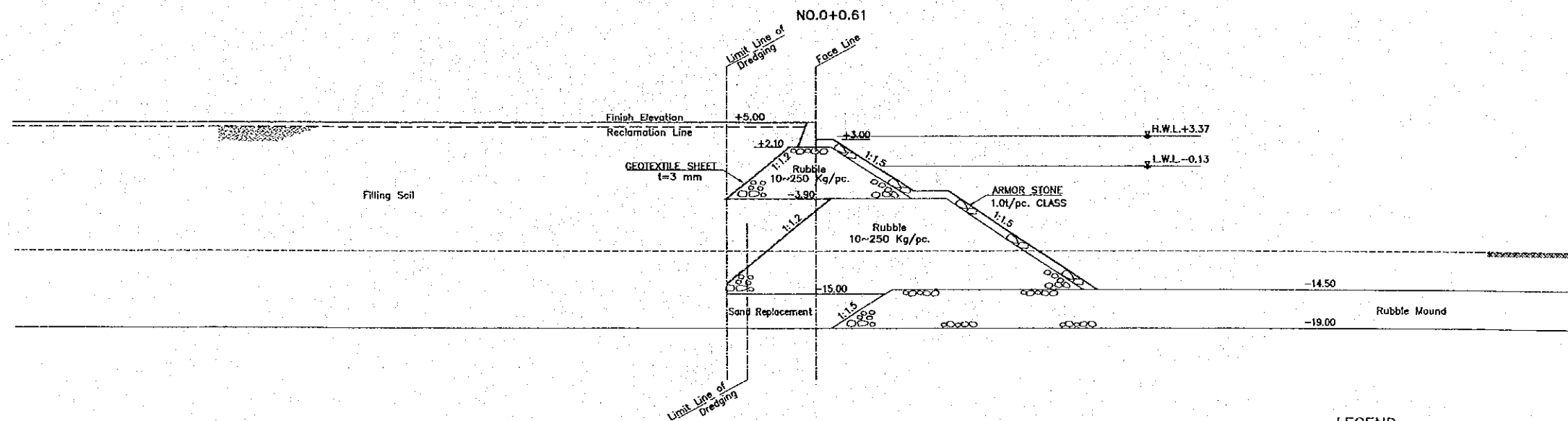
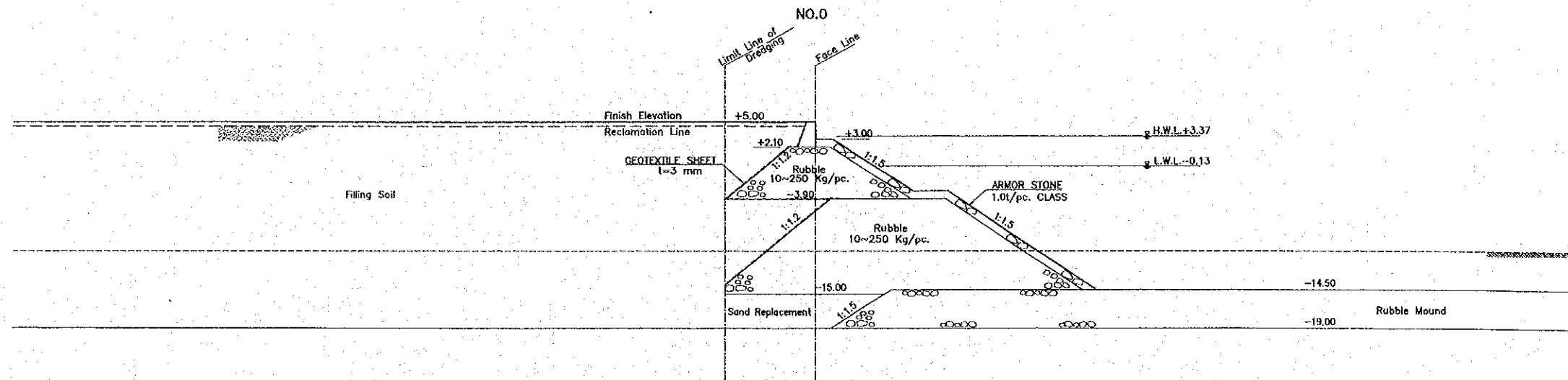
REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE	
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)			 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)			 THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR			NIPPON KOEI CO., LTD.		
DESIGNED BY :				SECTION : REVETMENT WORK				DATE : OCTOBER/2002			
CHECKED BY :				SUB-SECTION : WEST REVETMENT				SCALE : 1 : 2000			
APPROVED BY :				TITLE : PLAN OF SAND REPLACEMENT				DRAWING NO: RV-01-003			



NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

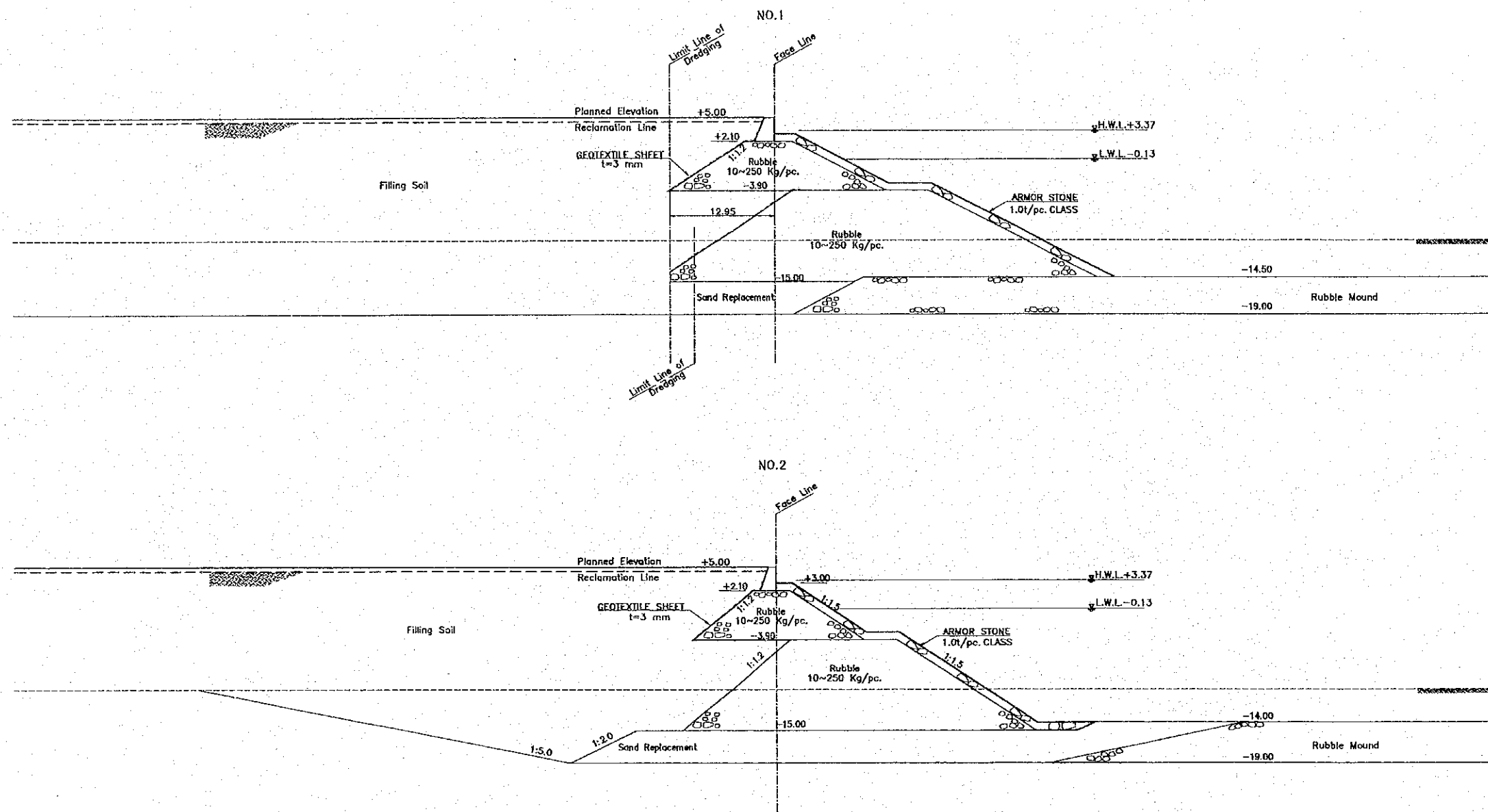
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
								APPROVED BY :	TITLE :	SCALE :
									CROSS SECTIONS (1)	1 : 600
										DRAWING NO. : RV-01-004



LEGEND:
 ----- EXISTING ELEVATION

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : REVETMENT WORK	DATE : OCTOBER/2002
															CHECKED BY :	SUB-SECTION : WEST REVETMENT	SCALE : 1 : 600
														APPROVED BY :	TITLE : CROSS SECTIONS (2)	DRAWING NO. : RV-01-005	



LEGEND:

----- EXISTING ELEVATION

NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
Cepa
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

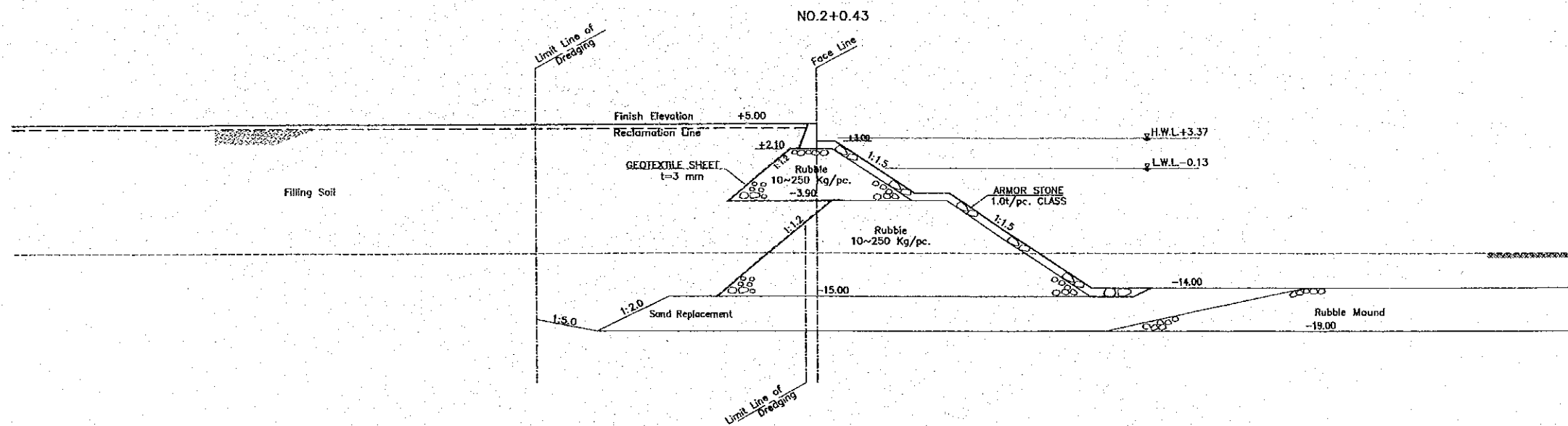
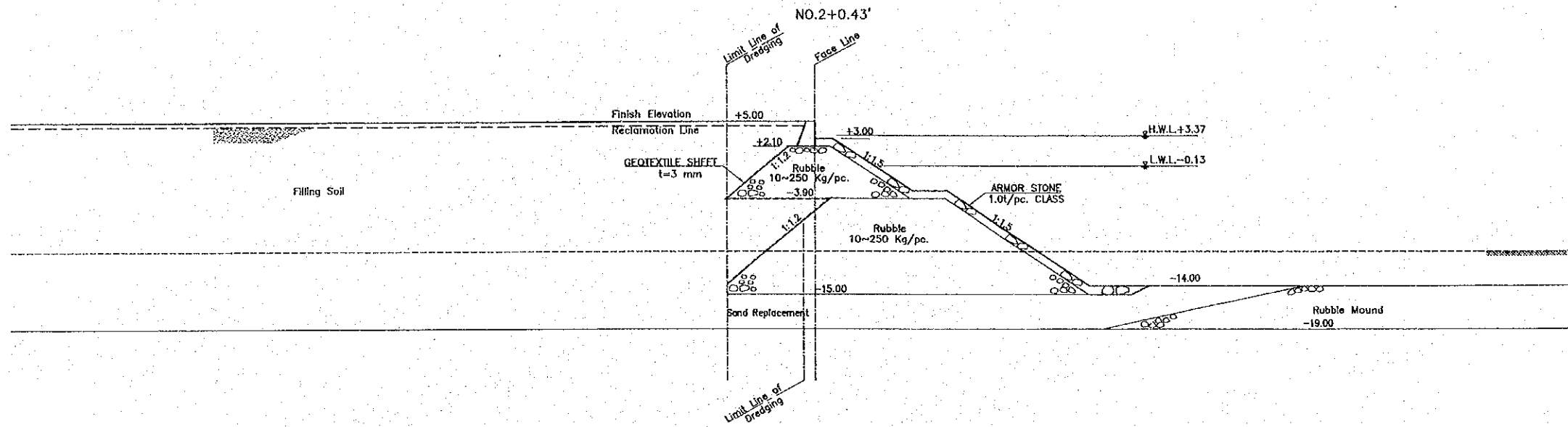
THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : REVETMENT WORK
 SUB-SECTION : WEST REVETMENT
 TITLE : CROSS SECTIONS (3)

DATE : OCTOBER/2002
 SCALE : 1 : 600
 DRAWING NO. : RV-01-006






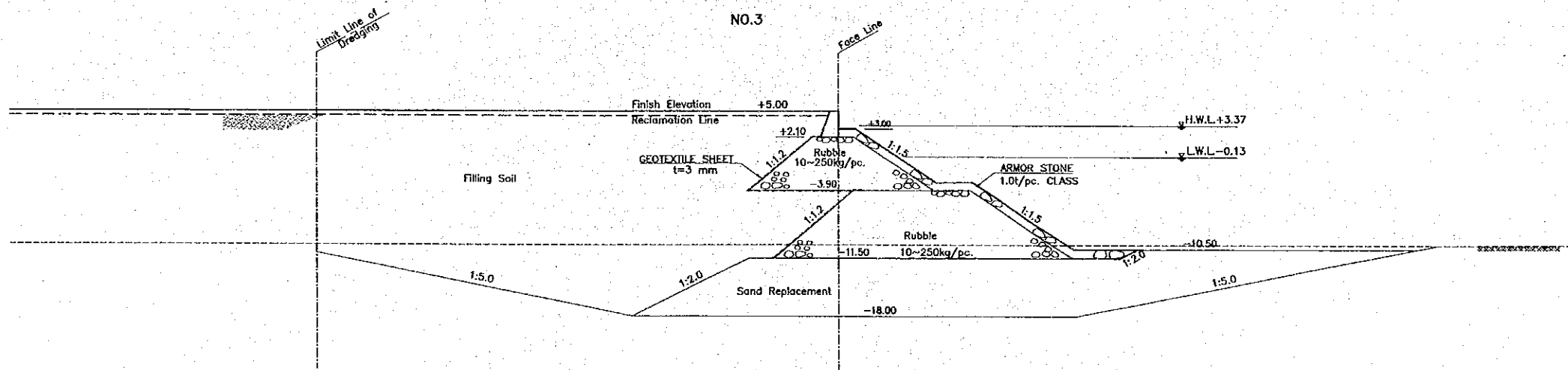
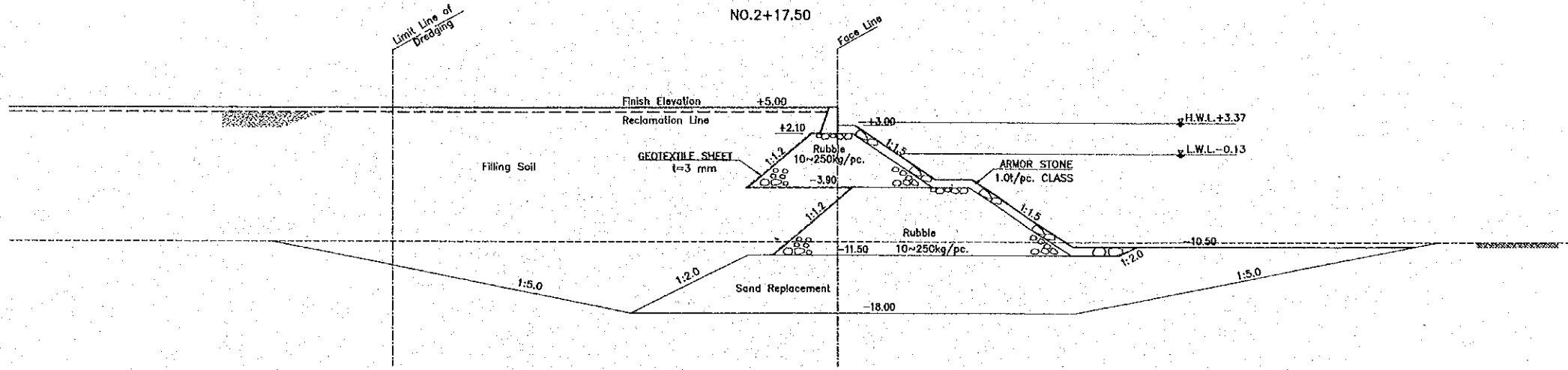
LEGEND:

----- EXISTING ELEVATION

NOTE:



MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

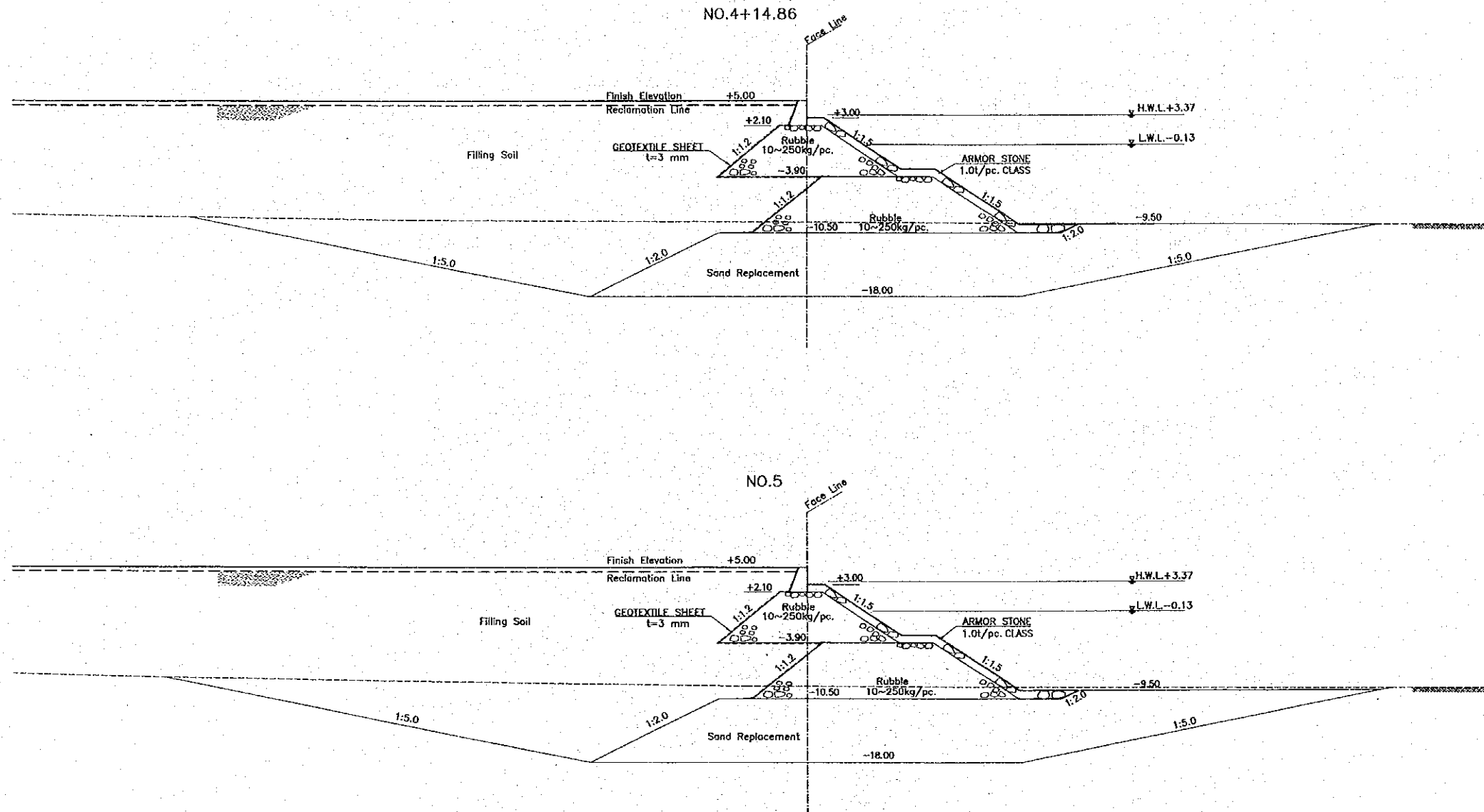
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION :	DATE :
								 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	CHECKED BY :
								APPROVED BY :	TITLE :	SCALE :
									CROSS SECTIONS (4)	1 : 600
										DRAWING NO. : RV-01-007



LEGEND:
 ----- EXISTING ELEVATION

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
															REVETMENT WORK	OCTOBER/2002	
												CHECKED BY :	SUB-SECTION :	SCALE :			
												APPROVED BY :	WEST REVETMENT	1 : 600			
												TITLE :		DRAWING NO. :			
												CROSS SECTIONS (6)		RV-01-009			



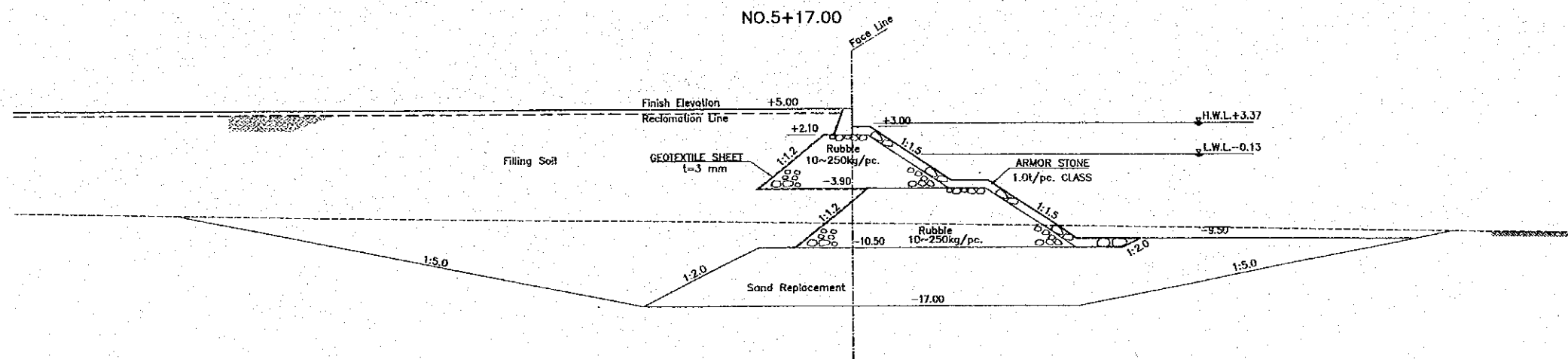
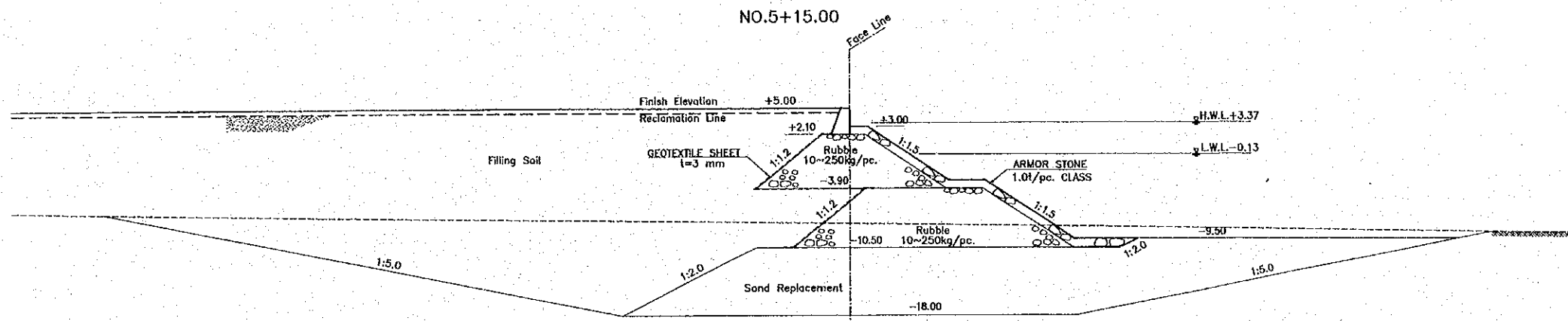
LEGEND:

----- EXISTING ELEVATION

NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR		DESIGNED BY : CHECKED BY : APPROVED BY :	SECTION : REVETMENT WORK SUB-SECTION : WEST REVETMENT TITLE : CROSS SECTIONS (8)	DATE : OCTOBER/2002 SCALE : 1 : 600 DRAWING NO : RV-01-011
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)				NIPPON KOEI CO., LTD.				
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE			






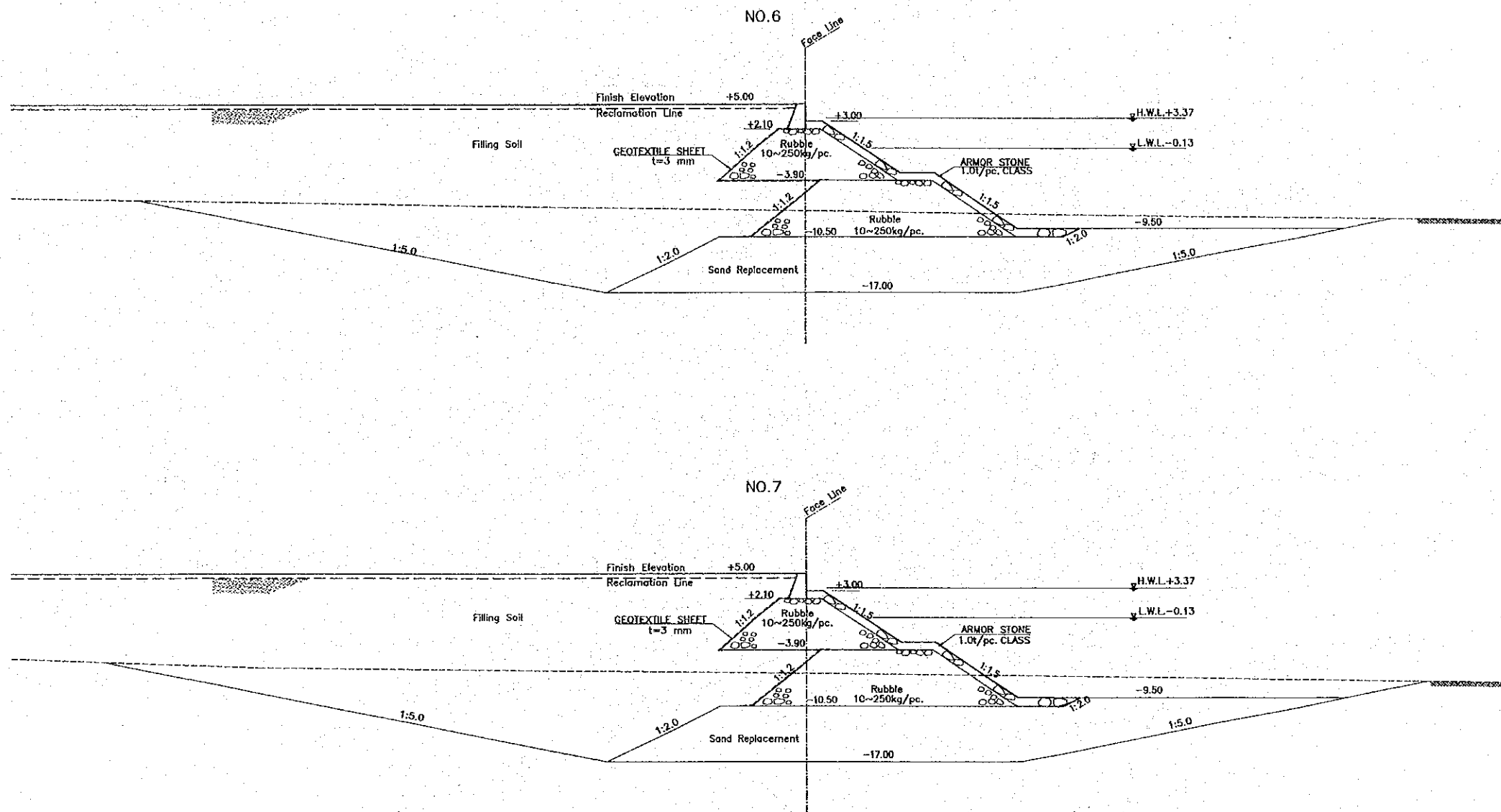
LEGEND:

----- EXISTING ELEVATION

NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	OCTOBER/2002
						 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	APPROVED BY :	TITLE :	SCALE :
									CROSS SECTIONS (9)	1 : 600
										DRAWING NO. :
										RV-01-012






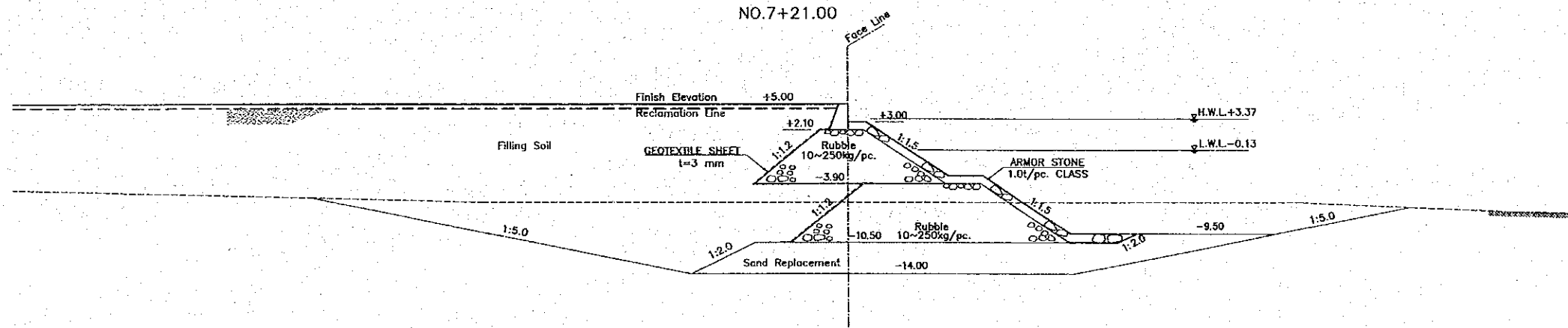
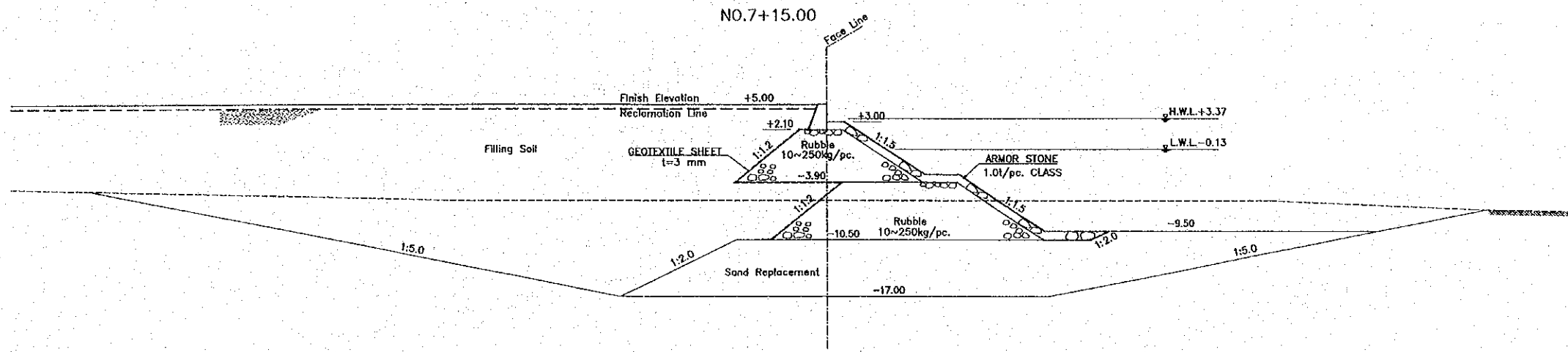
LEGEND:

----- EXISTING ELEVATION

NOTE:




MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

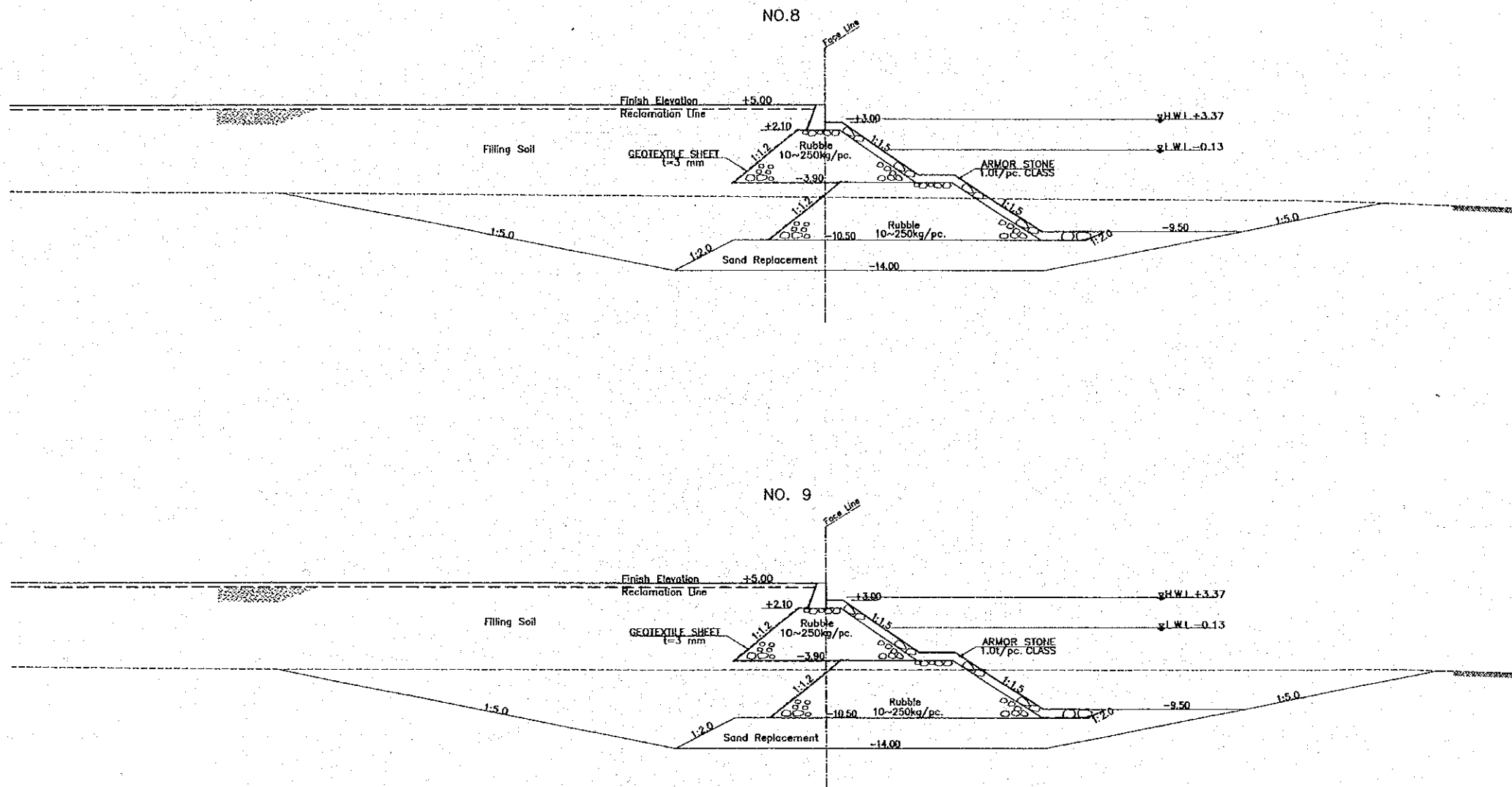
REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION :	DATE :
														 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	CHECKED BY : APPROVED BY :
												REVETMENT WORK WEST REVETMENT CROSS SECTIONS (10)				



LEGEND:
 ----- EXISTING ELEVATION




NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

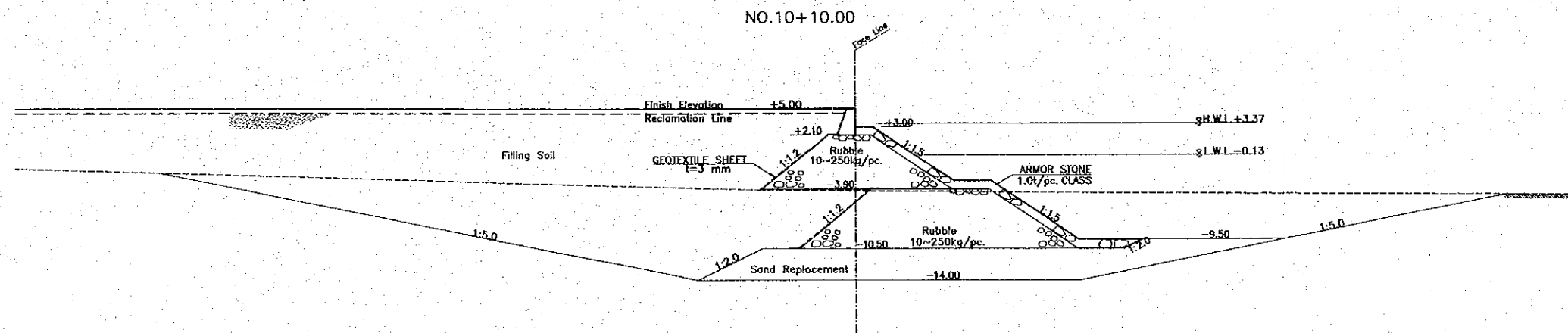
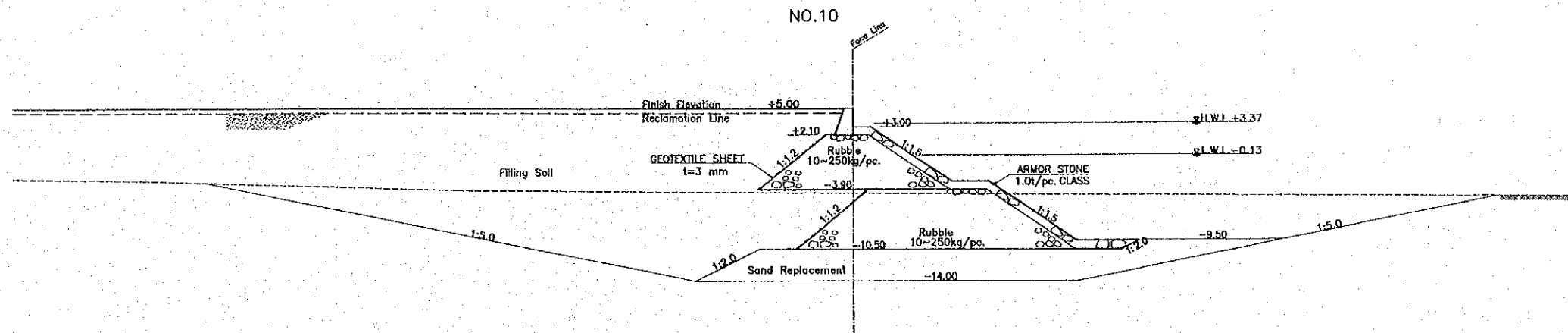
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION : REVETMENT WORK	DATE : OCTOBER/2002
								CHECKED BY :	SUB-SECTION : WEST REVETMENT	SCALE : 1 : 600
						 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	APPROVED BY :	TITLE : CROSS SECTIONS (11)	DRAWING NO. : RV-01-014



LEGEND:
 ----- EXISTING ELEVATION

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR  NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	REVETMENT WORK WEST REVETMENT CROSS SECTIONS (12)	DATE :
								CHECKED BY :	SUB-SECTION :		SCALE :
								APPROVED BY :	TITLE :		DRAWING NO. :
											OCTOBER/2002 1 : 600 RV-01-015






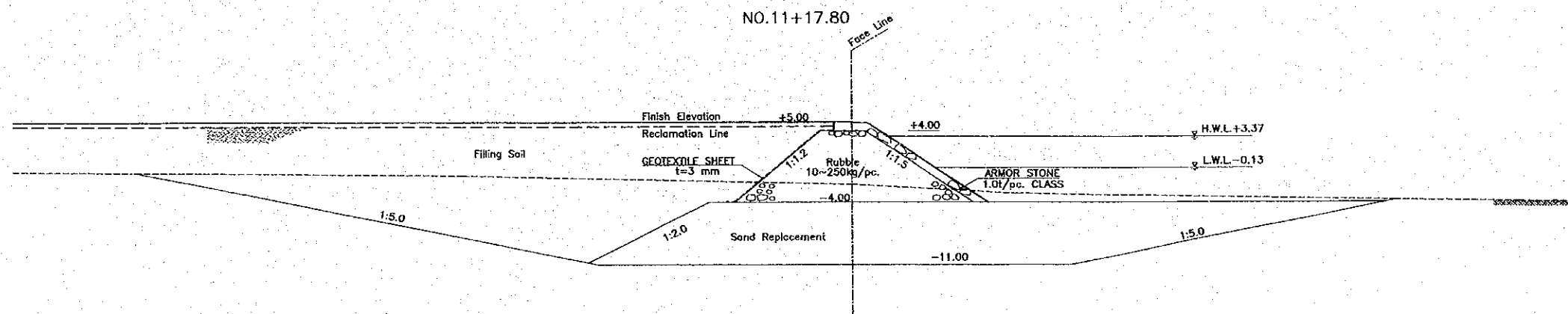
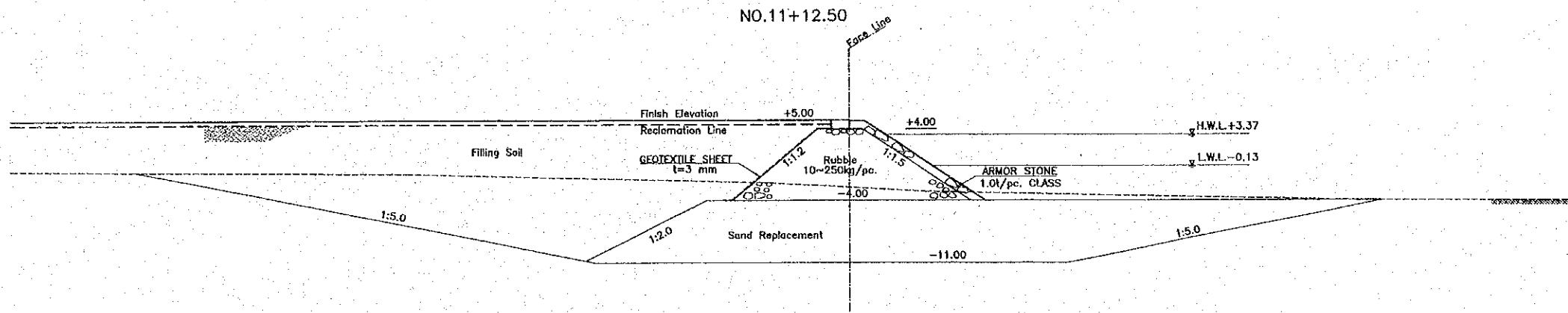
LEGEND:

----- EXISTING ELEVATION

NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR				DESIGNED BY : CHECKED BY : APPROVED BY :		SECTION : REVTMENT WORK SUB-SECTION : WEST REVTMENT TITLE : CROSS SECTIONS (13)		DATE : OCTOBER/2002	
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)				 NIPPON KOEI CO., LTD.								SCALE : 1 : 600	
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE							DRAWING NO : RV-01-016	






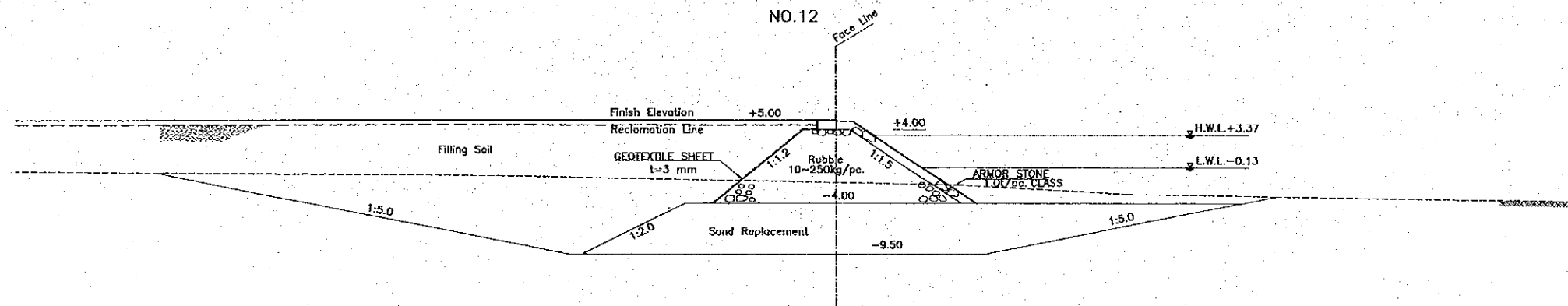
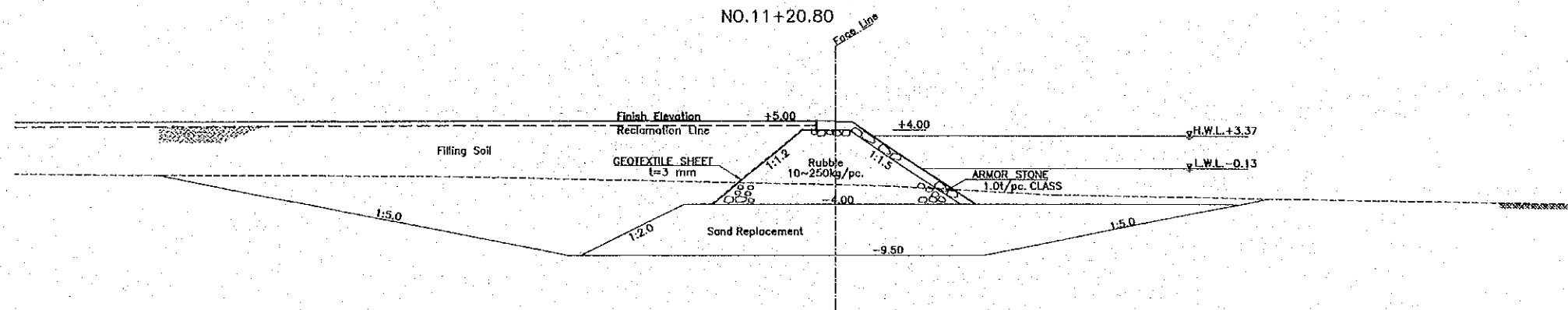
LEGEND:

----- EXISTING ELEVATION

NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

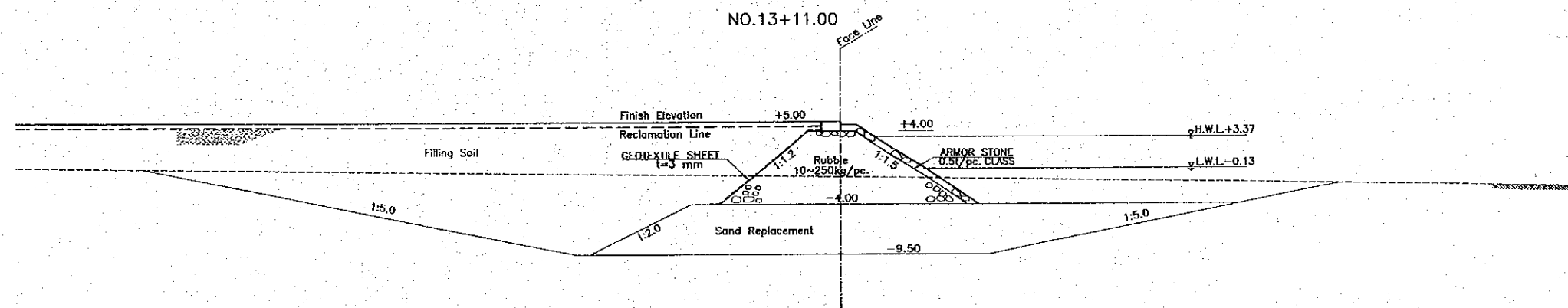
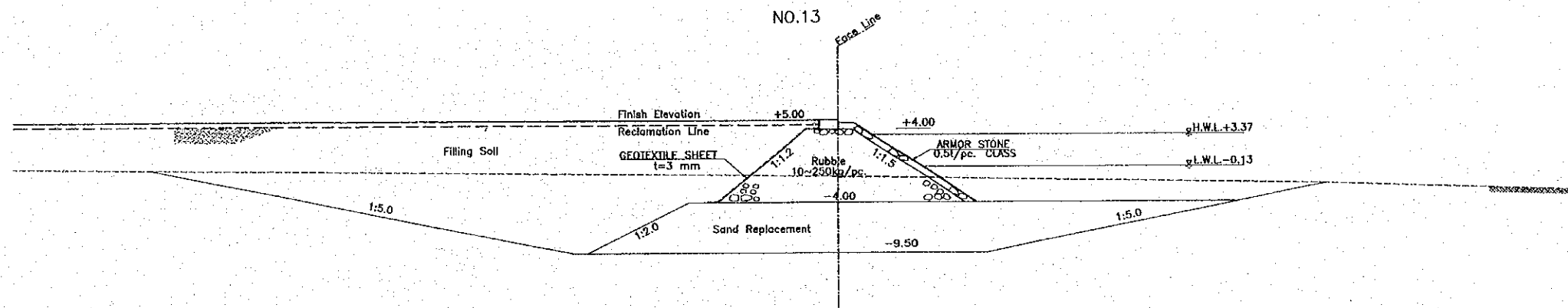
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR				DESIGNED BY : CHECKED BY : APPROVED BY :		SECTION : REVETMENT WORK SUB-SECTION : WEST REVETMENT TITLE : CROSS SECTIONS (15)		DATE : OCTOBER/2002	
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)				 NIPPON KOEI CO., LTD.								SCALE : 1 : 600	
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE					DRAWING NO. RV-01-018			



LEGEND:
 ----- EXISTING ELEVATION

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR				DESIGNED BY : CHECKED BY : APPROVED BY :		SECTION : REVETMENT WORK SUB-SECTION : WEST REVETMENT TITLE : CROSS SECTIONS (16)		DATE : OCTOBER/2002 SCALE : 1 : 600 DRAWING NO : RV-01-019	
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)				NIPPON KOEI CO., LTD.									
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE								






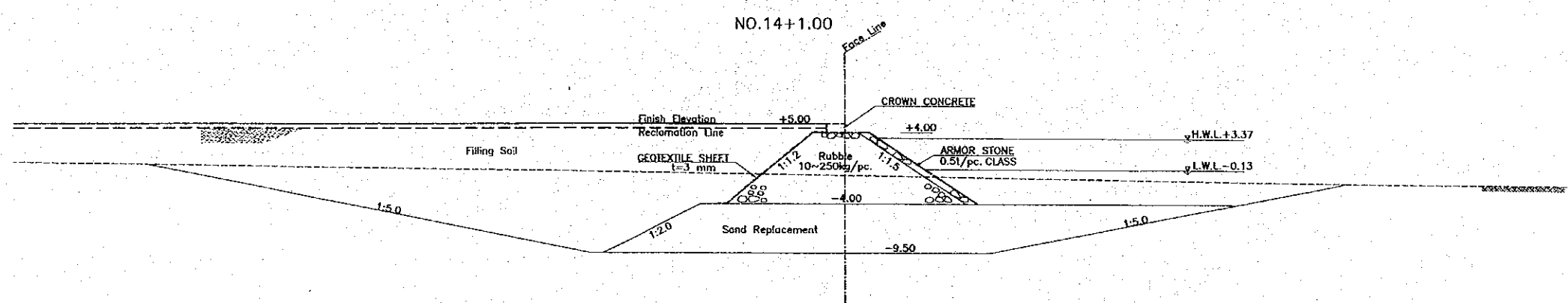
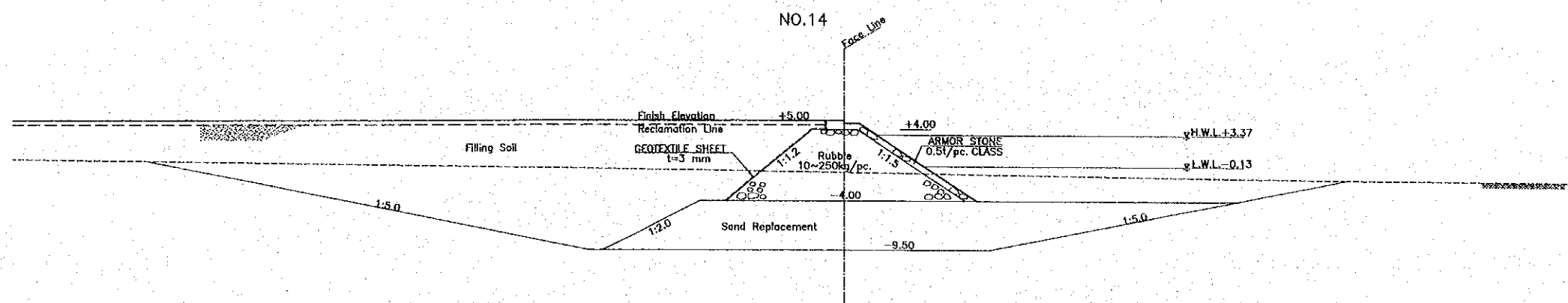
LEGEND:

----- EXISTING ELEVATION

NOTE:

MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

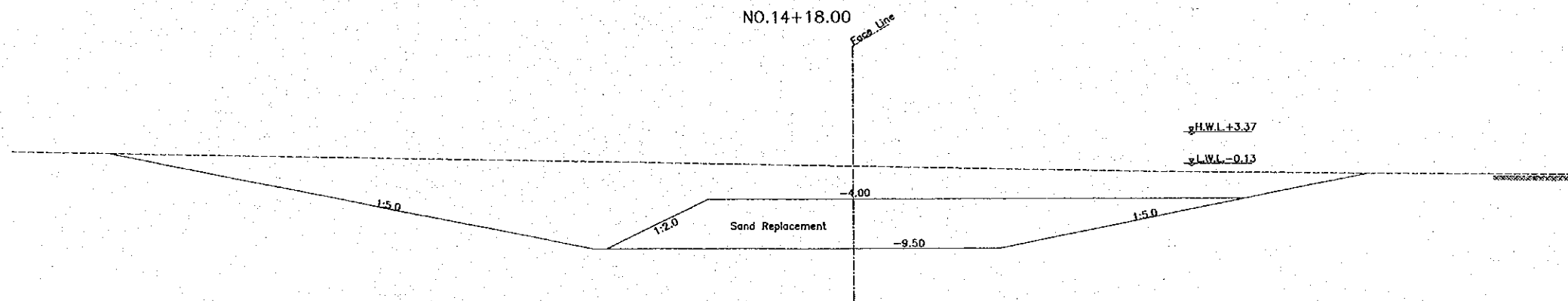
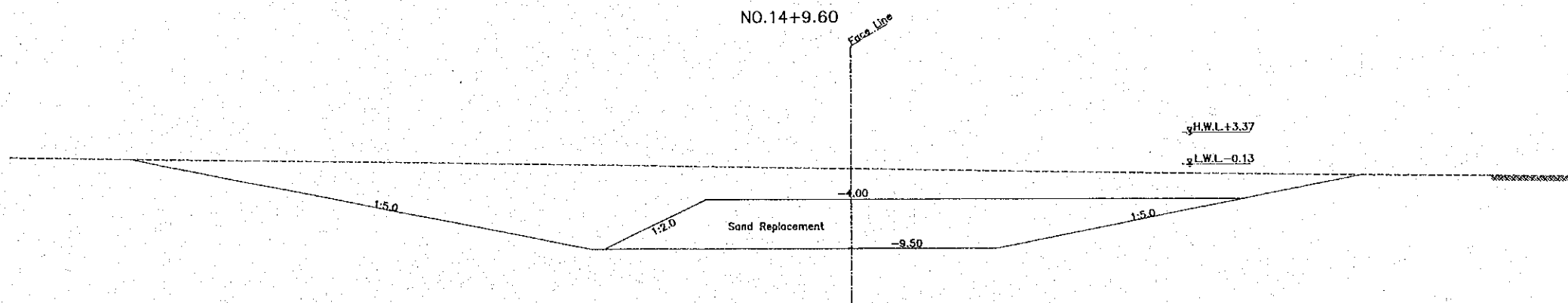
REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR	DESIGNED BY :	SECTION :	REVETMENT WORK WEST REVETMENT CROSS SECTIONS (17)	DATE :
														 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.		CHECKED BY :
														APPROVED BY :			DRAWING NO. :
																	RV-01-020



LEGEND:
 ----- EXISTING ELEVATION

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : REVETMENT WORK	DATE : OCTOBER/2002
														CHECKED BY :	SUB-SECTION : WEST REVETMENT	SCALE : 1 : 600
													APPROVED BY :	TITLE : CROSS SECTIONS (18)	DRAWING NO. : RV-01-021	






LEGEND:

----- EXISTING ELEVATION

NOTE:

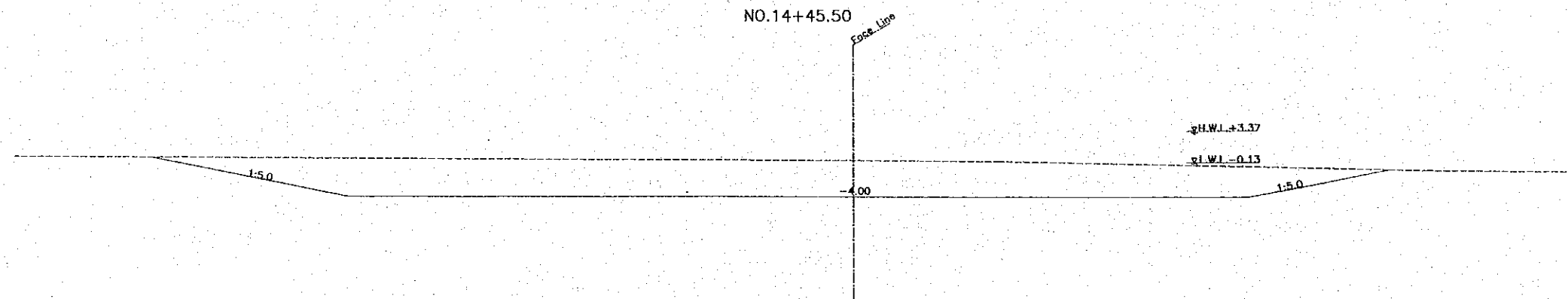
MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR  NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : REVTMENT WORK SUB-SECTION : WEST REVTMENT TITLE : CROSS SECTIONS (19)	DATE :
								CHECKED BY :		SCALE :
						APPROVED BY :	DRAWING NO. :			




OCTOBER/2002

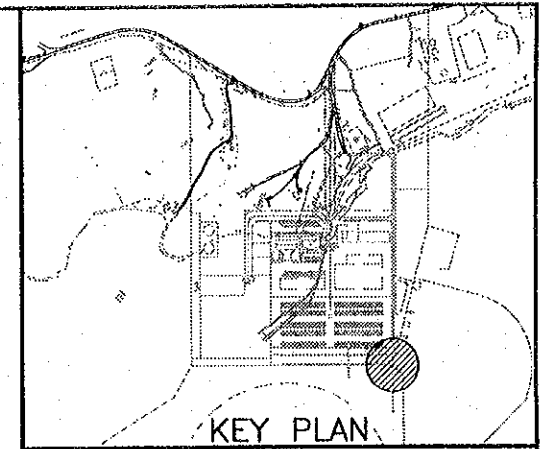
1 : 600

RV-01-022



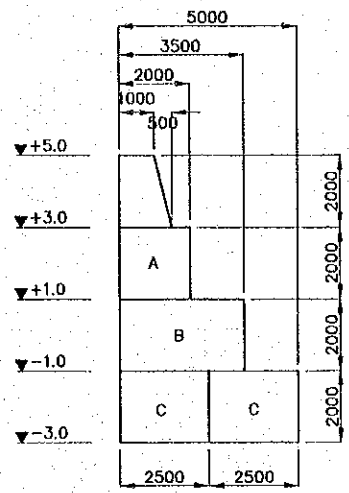
LEGEND:
 ----- EXISTING ELEVATION

REV. NO.		DATE		COORDINATE		BY		APPROVED		DATE		 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
															CHECKED BY :	SUB-SECTION :	OCTOBER/2002
												APPROVED BY :	TITLE :	SCALE :			
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														DRAWING NO :			
														RV-01-023			

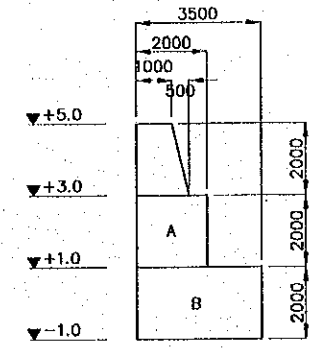


CONCRETE BLOCKS

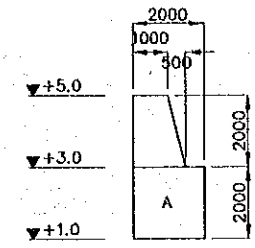
SCALE 1:200



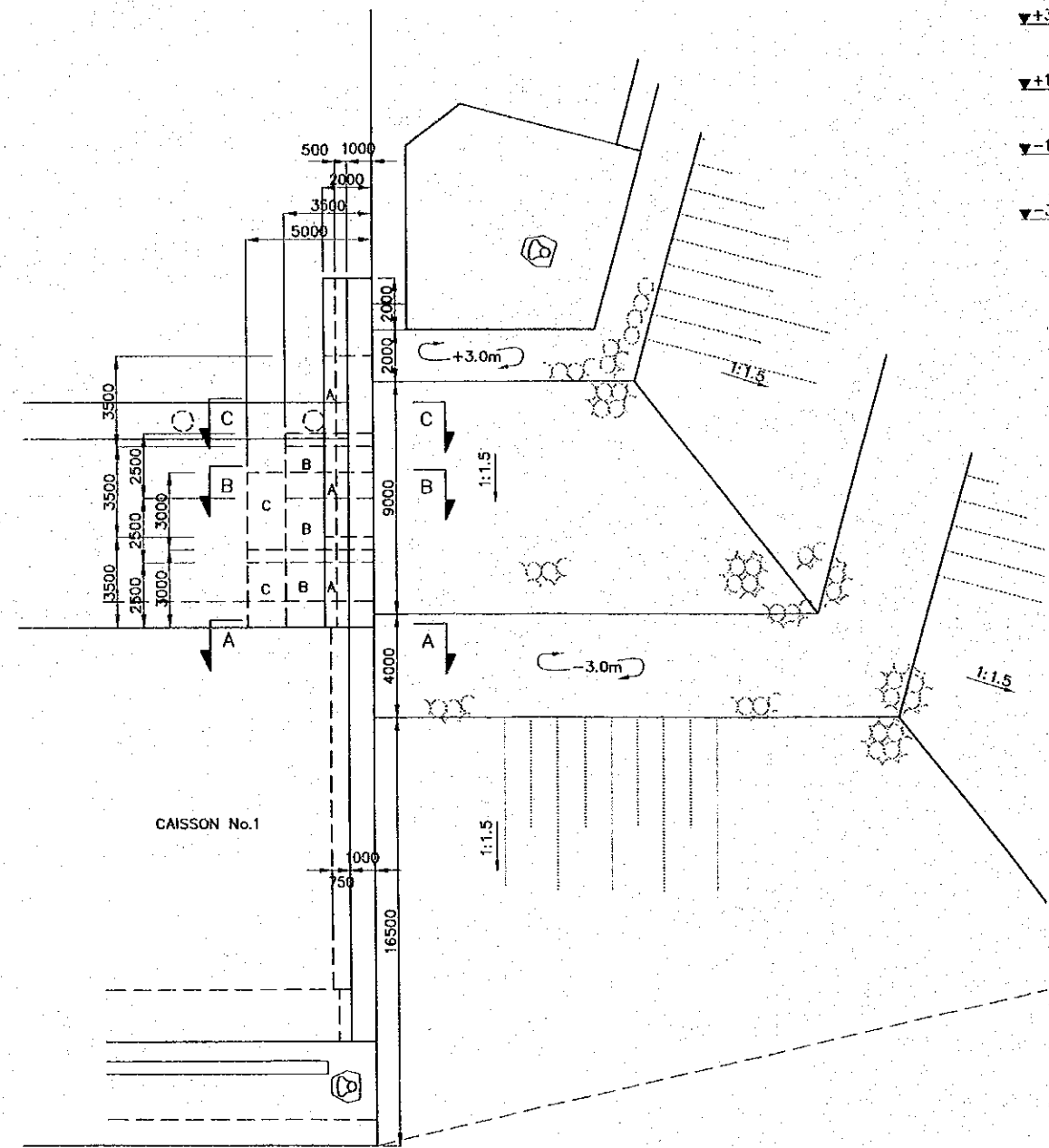
SECTION A-A



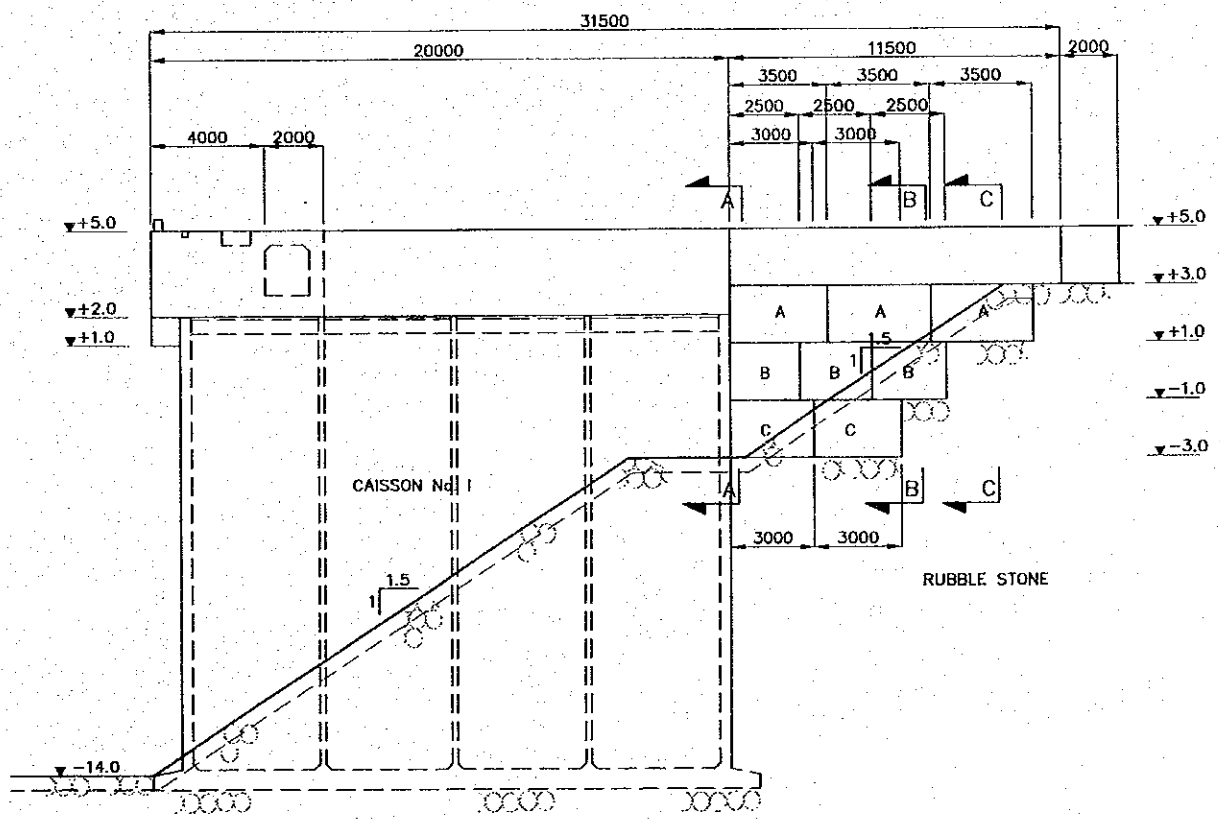
SECTION B-B



SECTION C-C



PLAN
SCALE 1:250



PROFILE
SCALE 1:250

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE

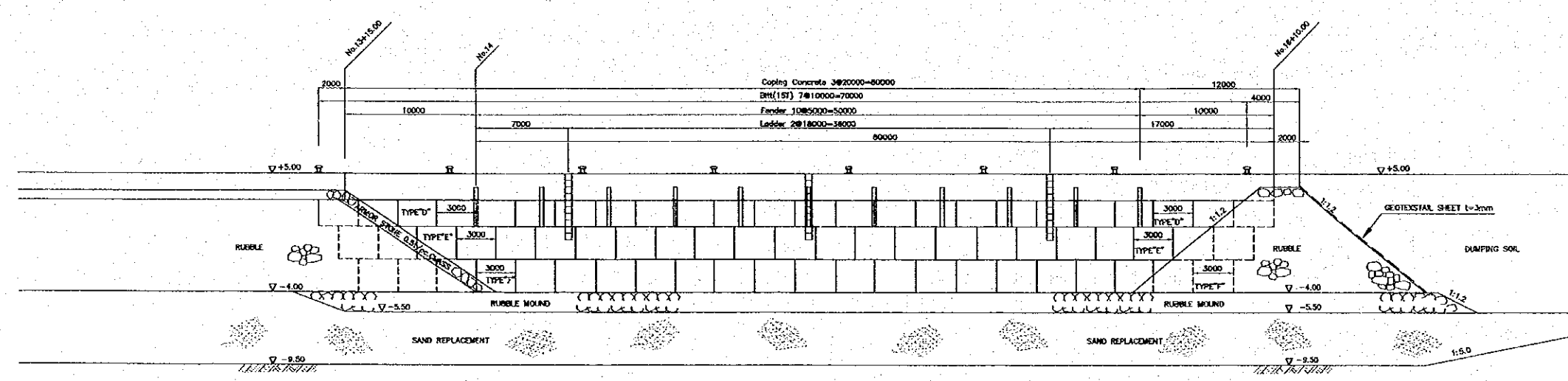
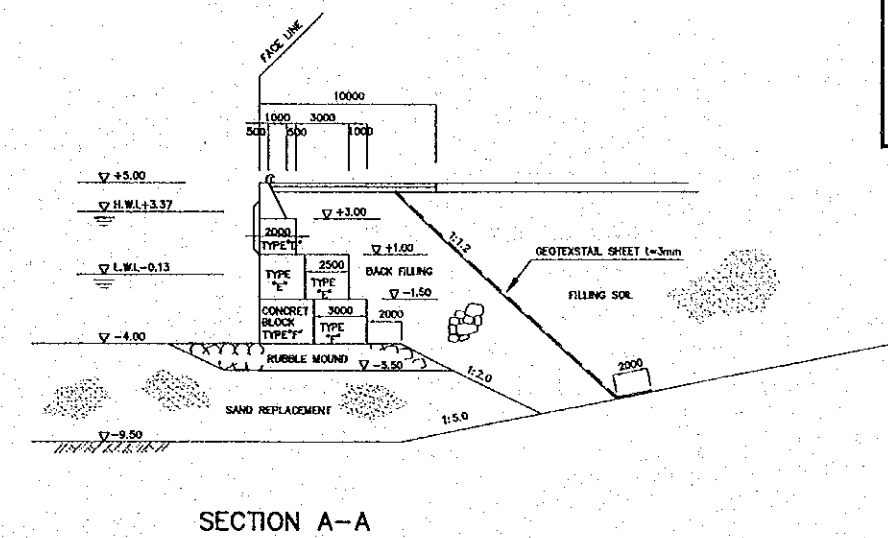
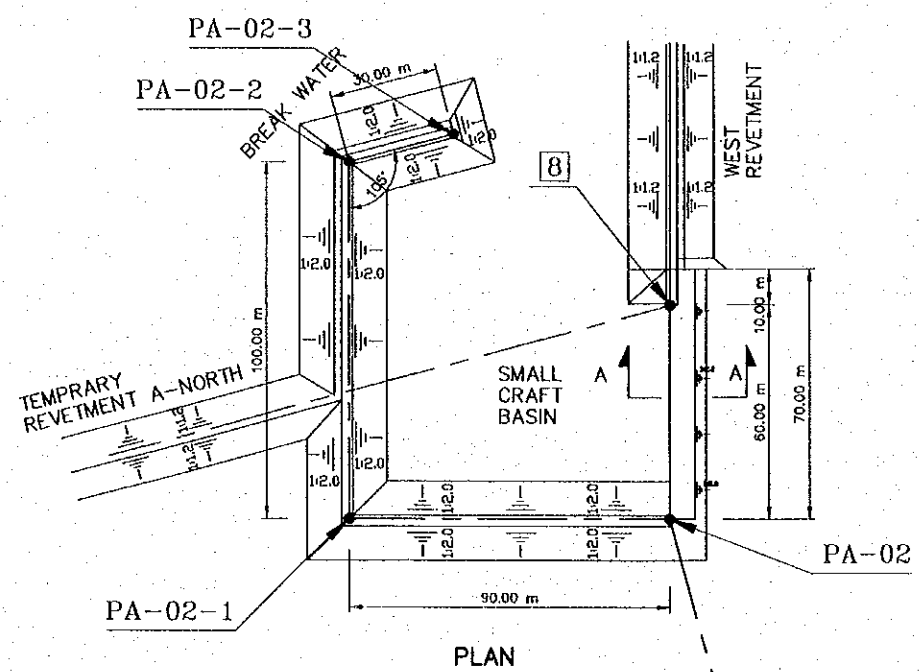
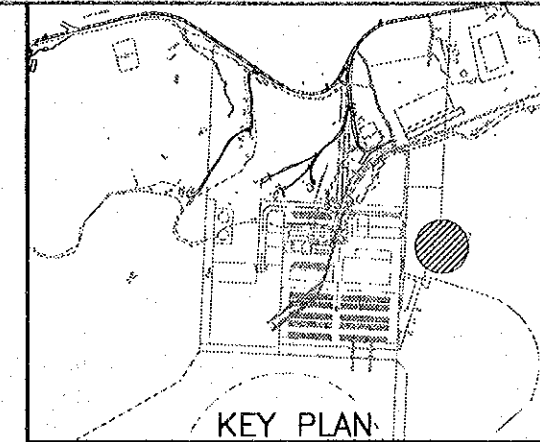
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR
 NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : REVETMENT WORK
 SUB-SECTION : WEST REVETMENT
 TITLE : PLAN-PROFILE AND STANDARD SECTION (1)

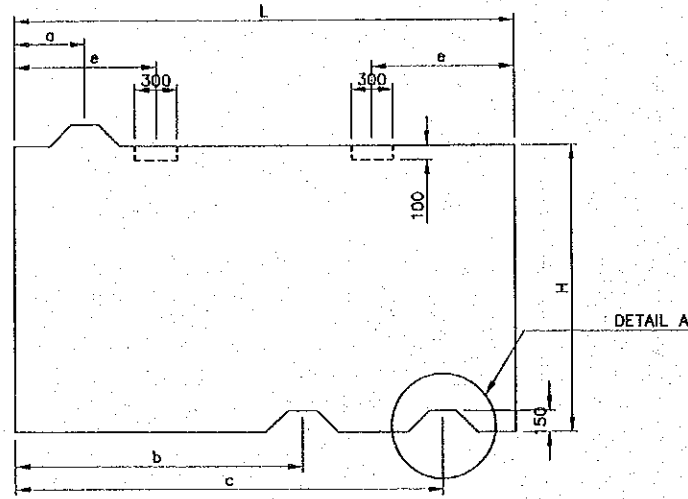
DATE : OCTOBER/2002
 SCALE : AS INDICATED
 DRAWING NO. : RV-01-024



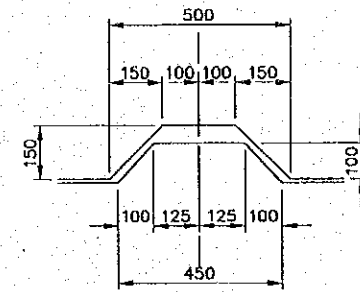
PROFILE

NOTE:
 MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.

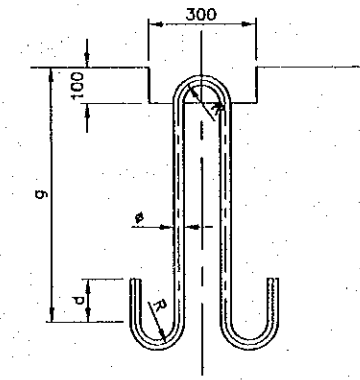
REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION :	DATE :
								CHECKED BY :	SUB-SECTION :	SCALE :
								APPROVED BY :	TITLE :	DRAWING NO. :
									REVETMENT WORK WEST REVETMENT PLAN-PROFILE AND STANDARD SECTION (2)	OCTOBER/2002 AS INDICATED RV-01-025



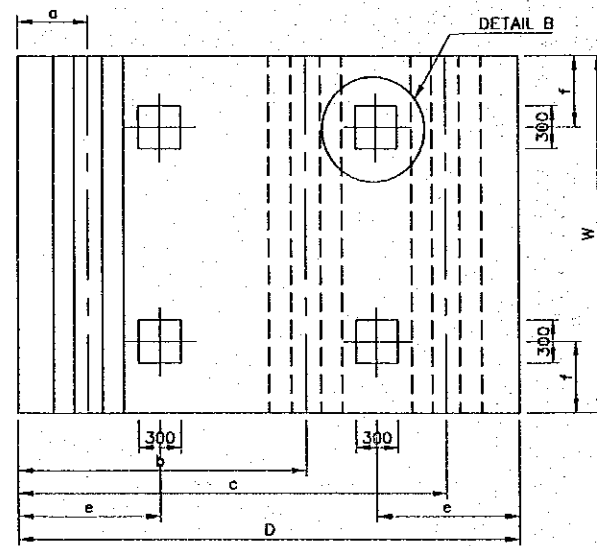
SIDE VIEW
SCALE 1:50



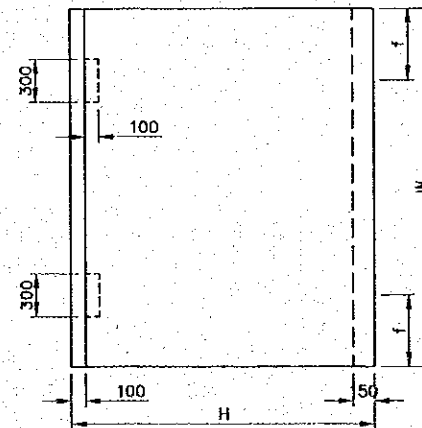
DETAIL A
SCALE 1:20



DETAIL B OF LIFTING BAR
SCALE 1:20



PLAN
SCALE 1:50



FRONT VIEW
SCALE 1:50

DIMENSION OF CONCRETE BLOCK

BLOCK	A	B	C	D	E	F
D	2000	3500	2500	2000	2500	3000
W	3500	2500	3000	3000	3000	3000
H	2000	2000	2000	2000	2500	2500
a	-	500	500	-	500	100
b	500	2000	-	500	500	500
c	-	3000	-	-	1000	-
e	1000	1000	1000	500	1000	1000
f	1000	500	1500	1000	1000	1000

DIMENSION OF LIFTING BAR

BLOCK	A	B	C	D	E	F
φ	28	32	30	28	32	36
R	56	64	60	56	64	72
d	120	130	120	225	256	288
L	710	650	650	710	660	750
Total	2172	2293	2172	2176	2179	2467

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE



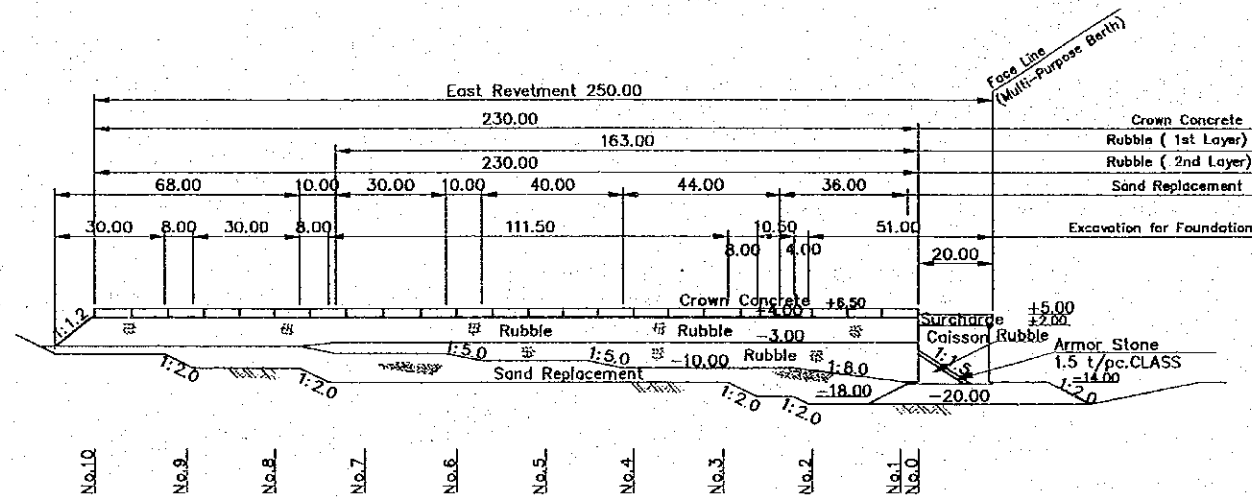
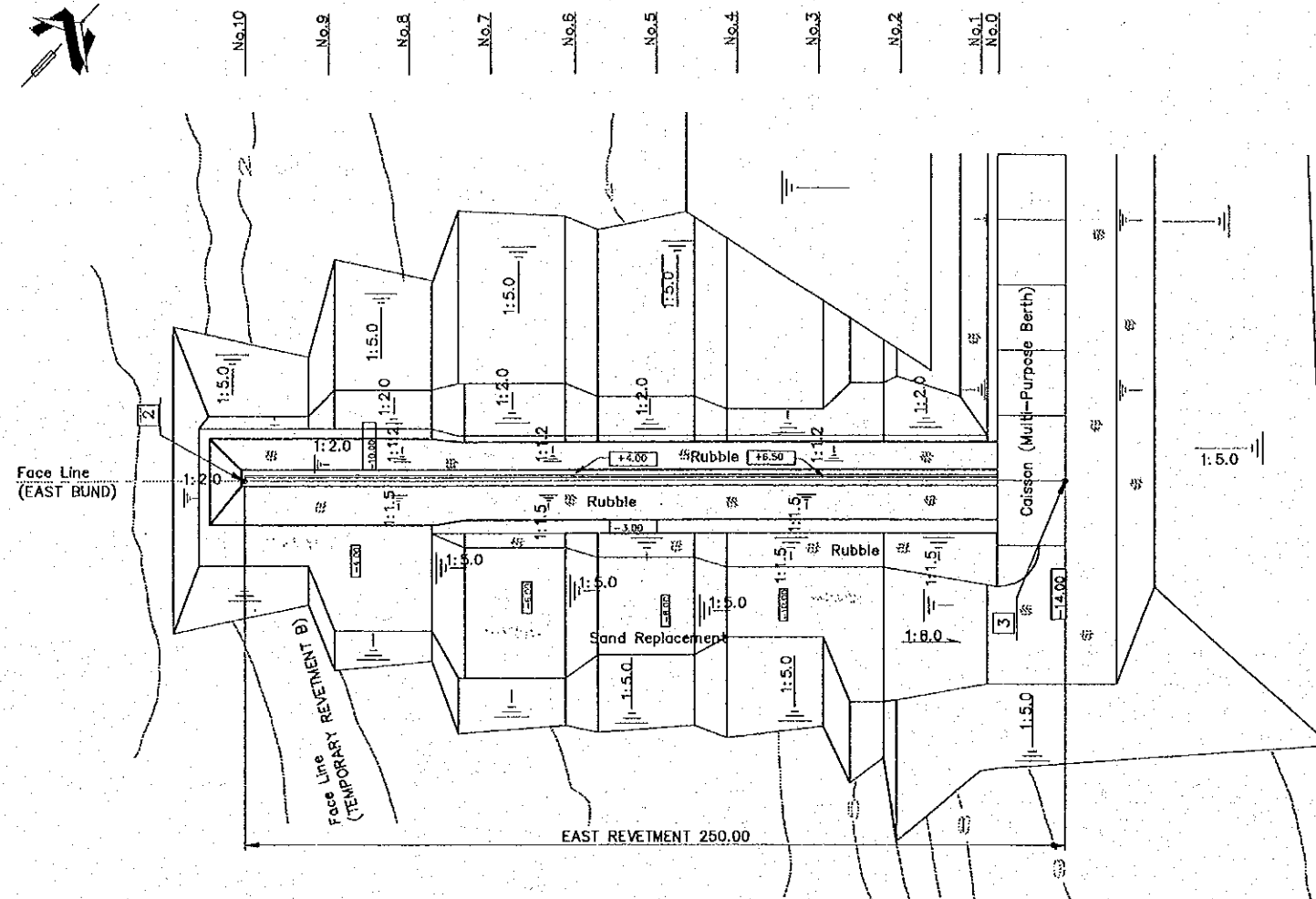
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
NIPPON KOEI CO., LTD.

DESIGNED BY :
CHECKED BY :
APPROVED BY :

SECTION : REVETMENT WORK
SUB-SECTION : WEST REVETMENT
TITLE : DETAIL OF CONCRETE BLOCKS

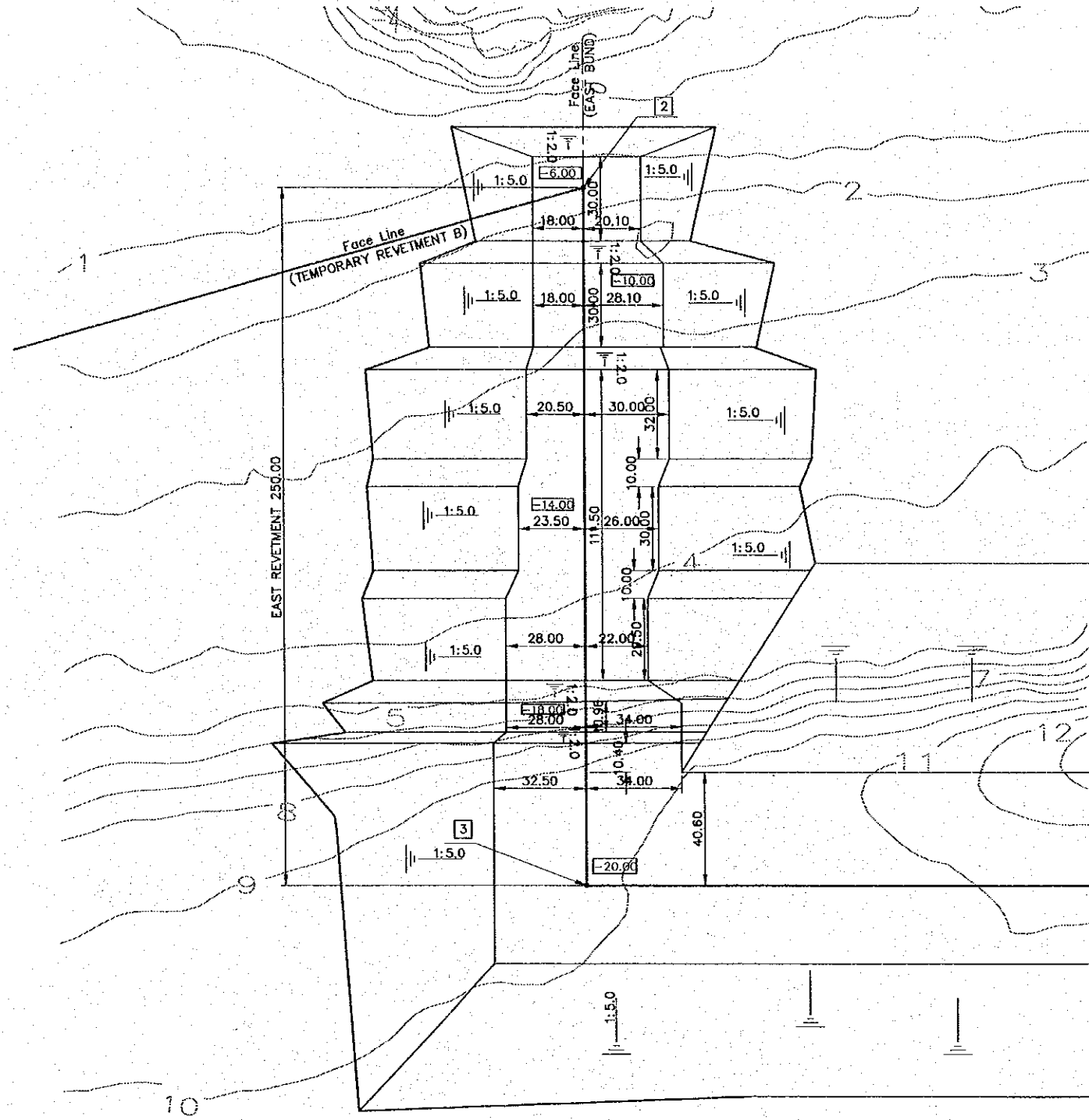
DATE :	OCTOBER/2002
SCALE :	AS INDICATED
DRAWING NO. :	RV-01-026



NOTE:



MATERIAL FOR SAND REPLACEMENT WORK SHALL MEET THE REQUIREMENTS SPECIFIED IN THE RELEVANT TECHNICAL SPECIFICATIONS, OR OF SUCH QUALITY THAT MAY NOT CAUSE LIQUEFACTION IN CASE OF EARTHQUAKE.


BY: _____ APPROVED: _____ DATE: _____		THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR 	DESIGNED BY:	SECTION : REVETMENT WORK	DATE : OCTOBER/2002
			CHECKED BY:	SUB-SECTION : EAST REVETMENT	SCALE : 1 : 2000
			APPROVED BY:	TITLE : PLAN AND PROFILE EAST REVETMENT	DRAWING NO: RV-02-001



- No. 10+11.00
- No. 10
- No. 9+6.00
- No. 9
- ===== No. 8+23.00
- No. 8
- No. 7+18.00
- No. 7+8.00
- No. 7
- No. 6+3.00
- No. 6
- ===== No. 5+18.00
- No. 5
- No. 4+13.00
- No. 4+3.00
- No. 4
- ===== No. 3
- No. 2+23.50
- No. 2+15.50
- No. 2+5.00
- No. 2+1.00
- No. 2
- No. 1+15.60
- No. 1
- No. 0

BY	APPROVED	DATE	

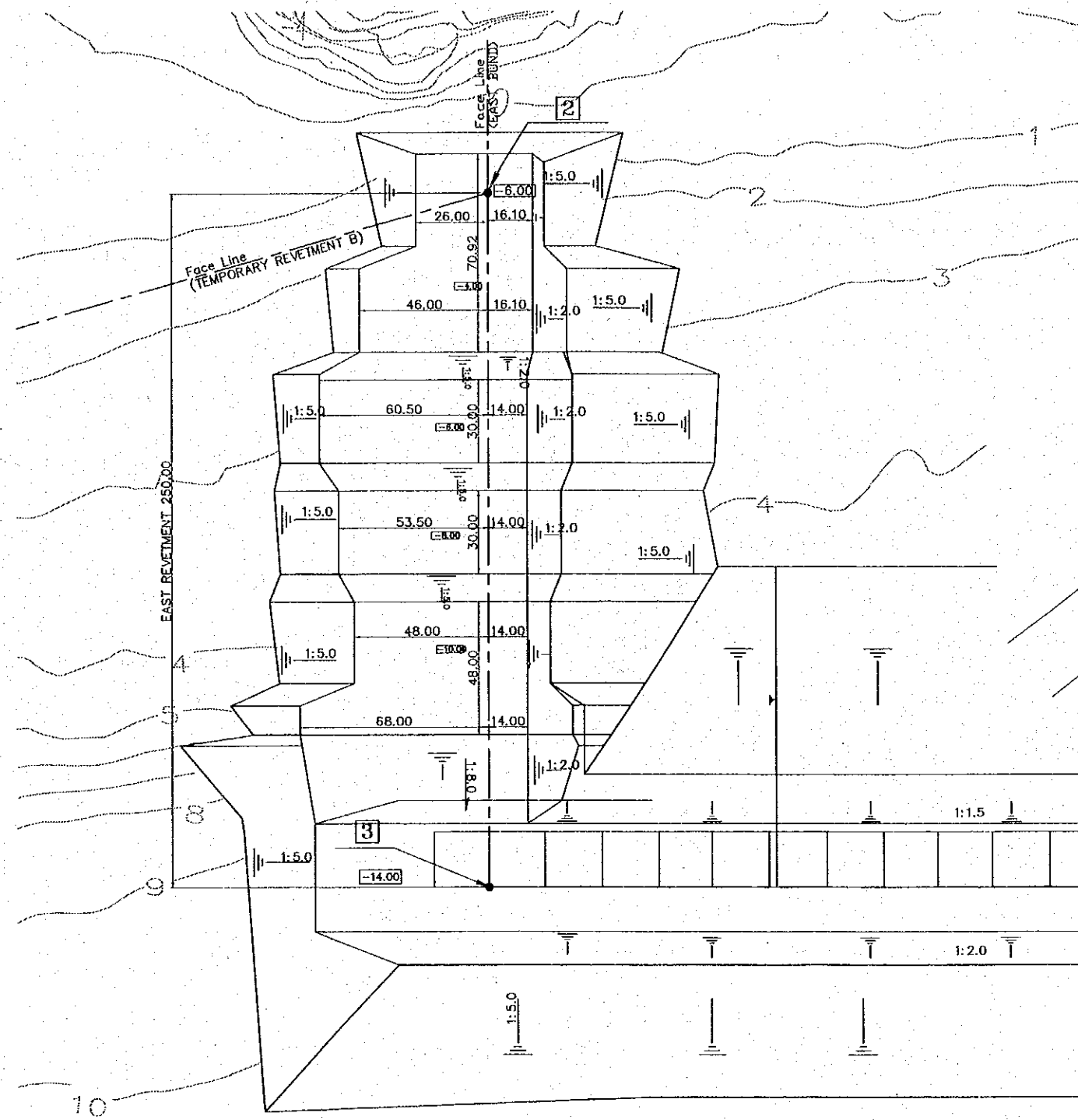
 **JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**
 **COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)**

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR
 **NIPPON KOEI CO., LTD.**

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : **REVTMENT WORK**
 SUB-SECTION : **EAST REVETMENT**
 TITLE : **PLAN OF DREDGING**

DATE : **OCTOBER/2002**
 SCALE : **1 : 2000**
 DRAWING NO. : **RV-02-002**



- No. 10+15.00
- No. 10
- No. 9+8.00
- ===== No. 8
- ===== No. 8+23.00
- No. 8
- No. 7+18.00
- No. 7+8.00
- No. 7
- No. 6
- No. 5+18.00
- No. 5
- No. 4+13.00
- ===== No. 4
- ===== No. 4+3.00
- No. 3
- No. 2
- No. 2+5.00
- No. 2
- No. 1
- ===== No. 0+3.00
- No. 0

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE



JICA
 JAPAN INTERNATIONAL
 COOPERATION AGENCY
 (JICA)
 COMISION EJECUTIVA
 PORTUARIA AUTONOMA
 (CEPA)

THE DETAILED DESIGN
 ON PORT REACTIVATION PROJECT
 IN LA UNION PROVINCE
 OF THE REPUBLIC OF EL SALVADOR

NIPPON KOEI CO., LTD.

DESIGNED BY :
 CHECKED BY :
 APPROVED BY :

SECTION : REVENMENT WORK
 SUB-SECTION : EAST REVENMENT
 TITLE :
PLAN OF SAND REPLACEMENT

DATE : OCTOBER/2002
 SCALE : 1 : 2000
 DRAWING NO : RV-02-003