

LAMU GAN THUNDI HARBOUR		
LIST OF DRAWINGS		
DWG. NOS	DRAWING TITLES	REV. NO
LG-CI-00	LIST OF DRAWINGS	0
LG-CI-01	EXISTING LAYOUT	0
LG-CI-02	NEW DESIGN LAYOUT	0
LG-CI-03	NEW DESIGN W/ EXISTING FOOT PRINT	0
LG-CI-04	DREDGING PLAN	0
LG-CI-05	QUAY WALL DETAILS (SHEET 1 OF 5)	0
LG-CI-05	QUAY WALL DETAILS (SHEET 2 OF 5)	0
LG-CI-05	QUAY WALL DETAILS (SHEET 3 OF 5)	0
LG-CI-05	QUAY WALL DETAILS (SHEET 4 OF 5)	0
LG-CI-05	QUAY WALL DETAILS (SHEET 5 OF 5)	0
LG-CI-06	BREAKWATER DETAILS	0
LG-CI-07	TYPICAL DETAILS (SHEET 1 OF 2)	0
LG-CI-07	TYPICAL DETAILS (SHEET 2 OF 2)	0

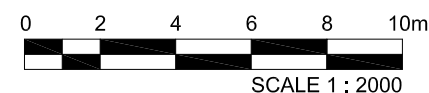
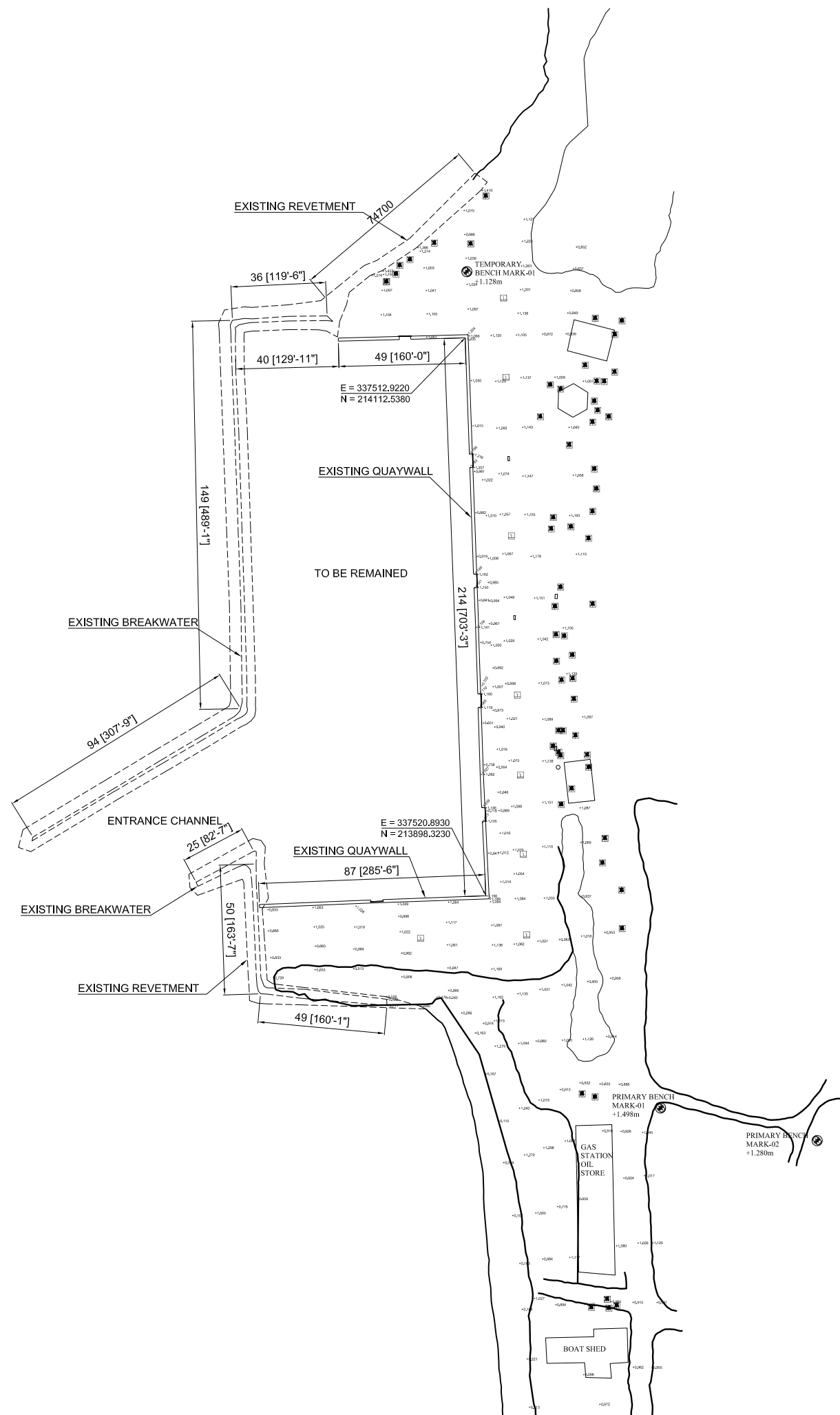
REVISION




PROJECT: **RECONSTRUCTION OF HARBORS
PHASE-2**

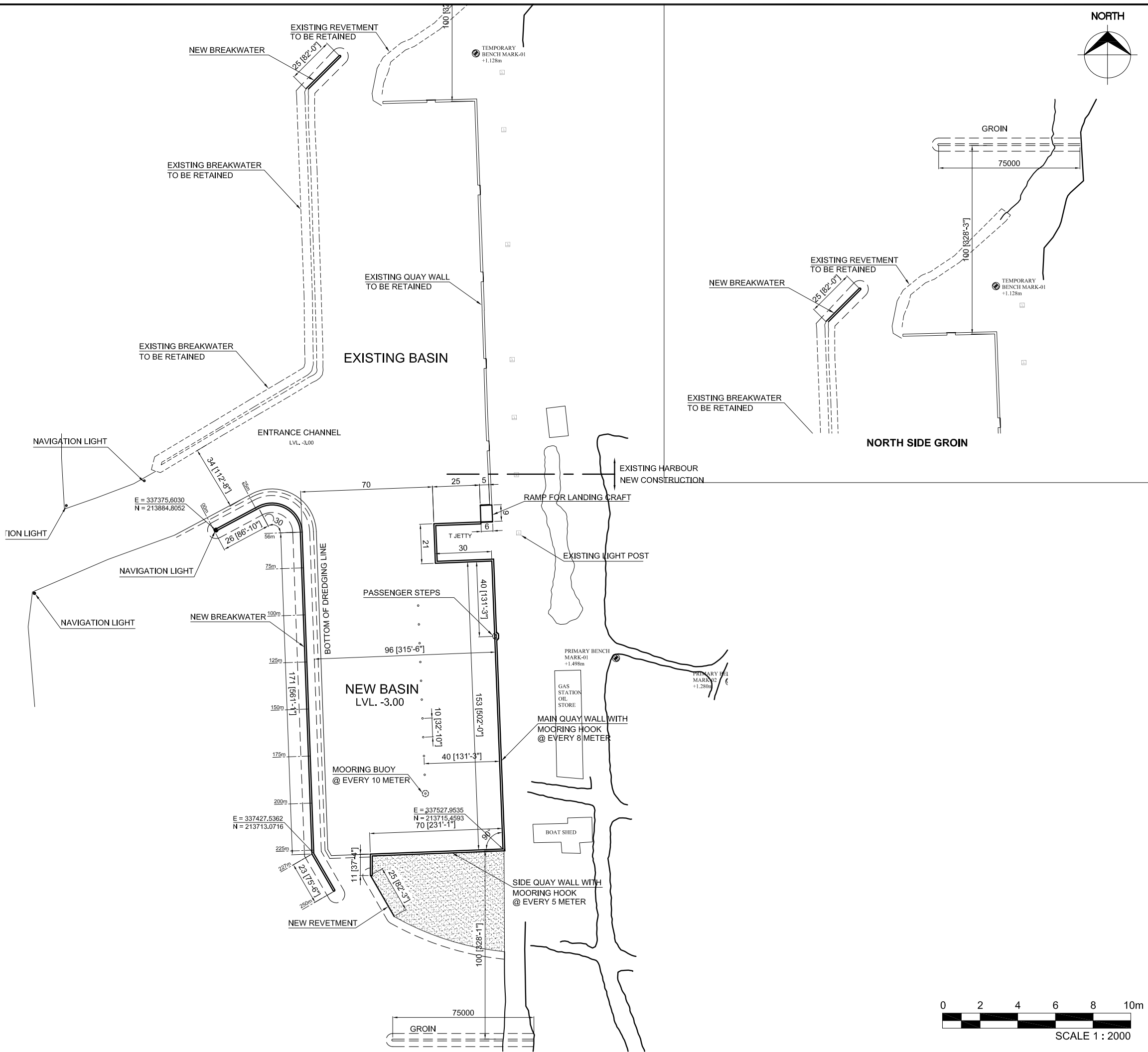
DRAWING TITLE:
**LAMU GAN THUNDI HARBOUR
LIST OF DRAWINGS**

PROJECT No.	SHEET No.	DRAWING No.
K-601	1 OF 1	LG-CI-00
REV. No.	0	



- NOTES:**
- 1 - ALL DIMENSIONS AND LEVELS ARE IN METER UNLESS OTHERWISE SHOWN
- LEGENDS:-**
- Benchmark
● PBM-1 = +1.498m(337587.992E,213816.868N)
● PBM-2 = +1.280m(337648.163E,213804.335N)
- - - - - BEACH LINE (TOE OF BEACH)
— - - - - EDGE OF VEGETATION
= = = = = EXISTING QUAY WALL
= = = = = EXISTING BREAKWATER

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					
CLIENT					
<div>MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES</div>					
CONSULTANT:					
<div><div></div><div>Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax : 2431136 P.O.Box 271/54 Safat 13132 - Kuwait</div></div>					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITTLE:					
LAMU GAN THUNDI HARBOUR EXISTING LAYOUT					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:2000	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 1	LG-CI-01			
REV. No.	0				



NOTES:

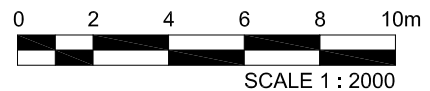
1 - ALL DIMENSIONS AND LEVELS ARE IN METER UNLESS OTHERWISE SHOWN

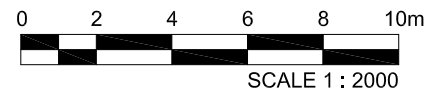
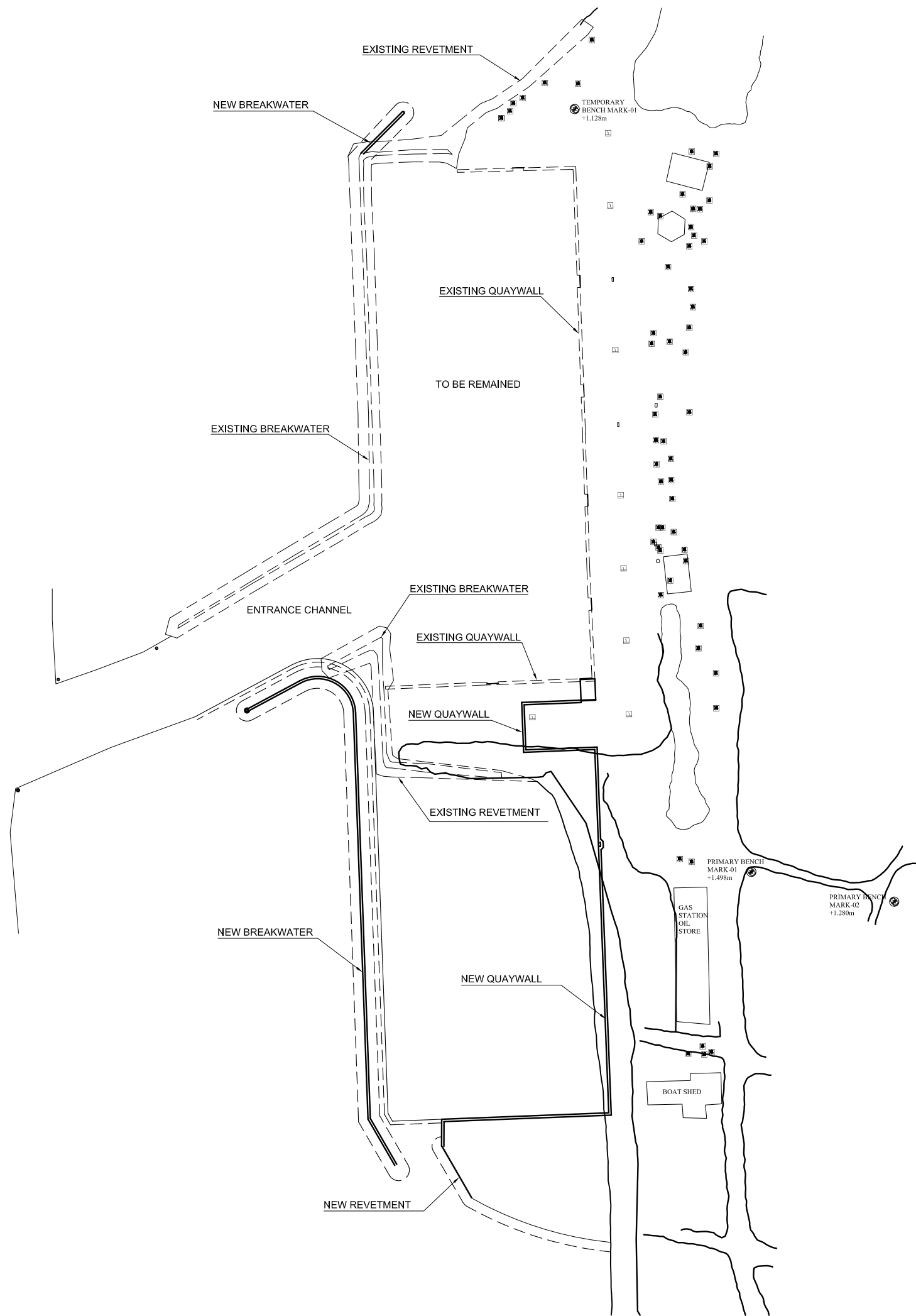
LEGENDS:-

Benchmark

- PBM-1 = +1.498m(337587.992E,213816.868N)
- PBM-2 = +1.280m(337648.163E,213804.335N)

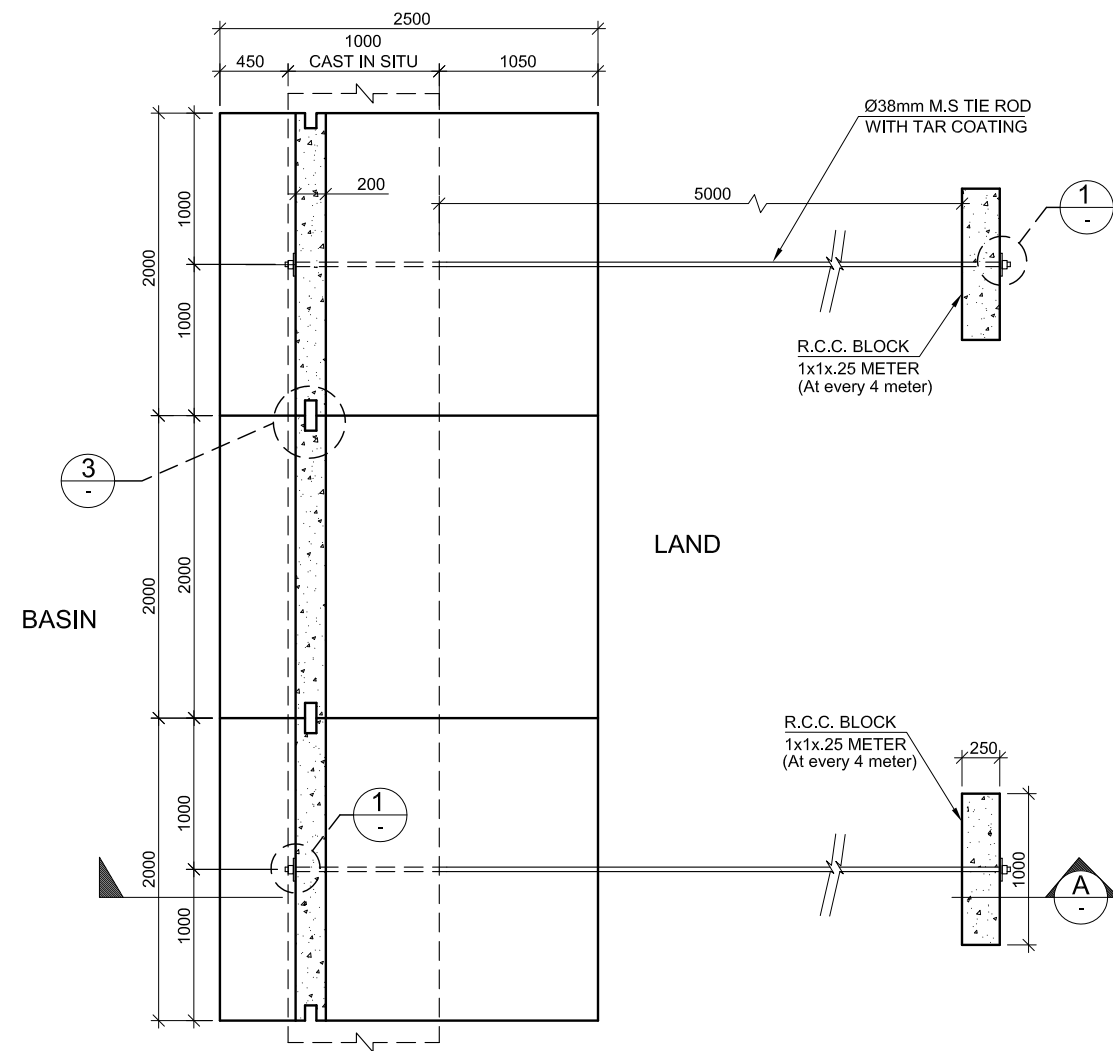
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REVISION					
CLIENT					
<div>MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES</div>					
CONSULTANT:					
<div><div>Al-Habshi Consultants Office</div><div>Tel.: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait</div></div>					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR NEW DESIGN LAYOUT					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:2000	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 1	LG-CI-02			
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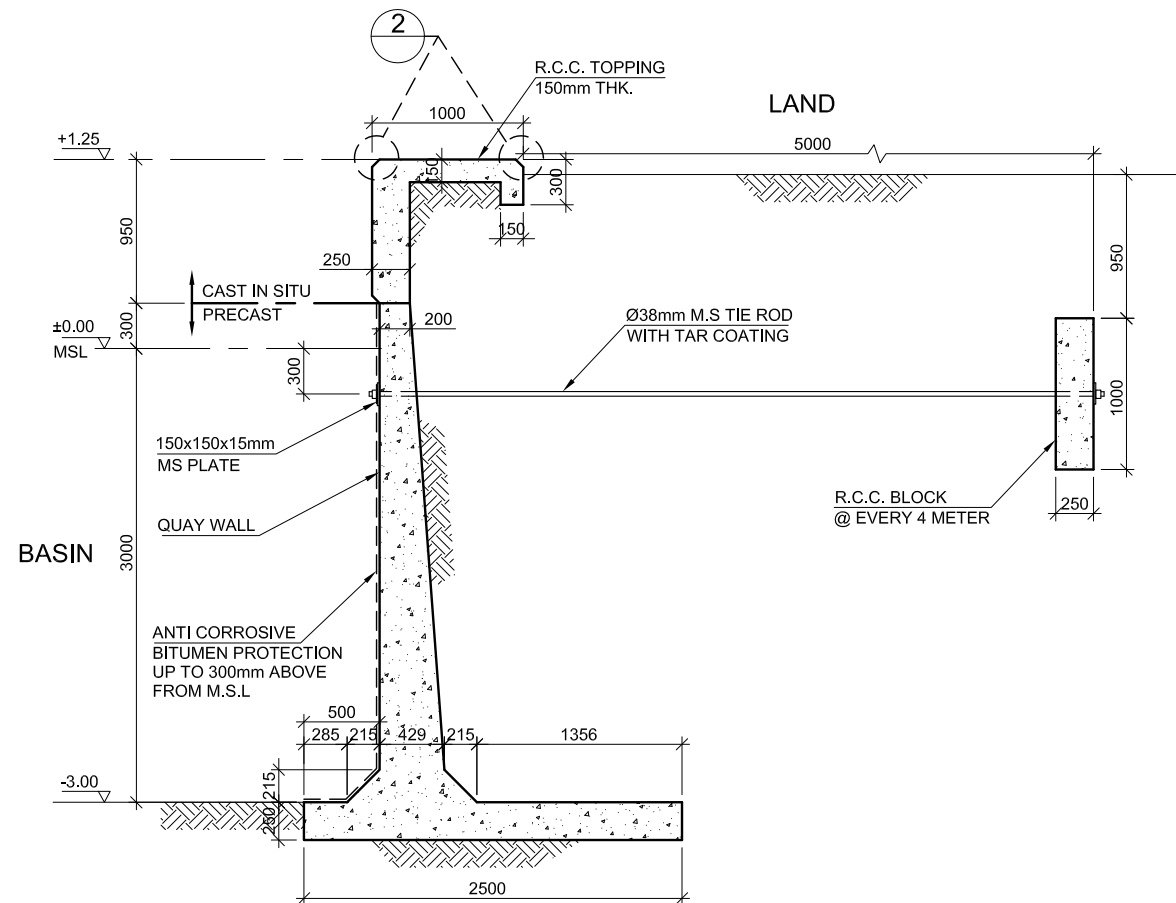


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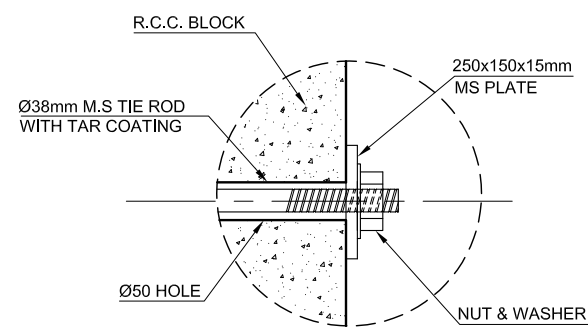
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CLIENT					
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CONSULTANT:					
 Al-Habshi Consultants Office Tel.: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR NEW DESIGN W/ EXISTING FOOT PRINT					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
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K-601	1 OF 1	LG-CI-03			
REV. No.	0				



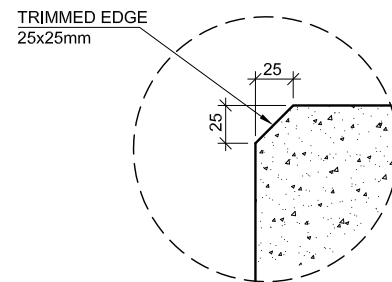
TYPICAL QUAY WALL PLAN
SCALE 1 : 50



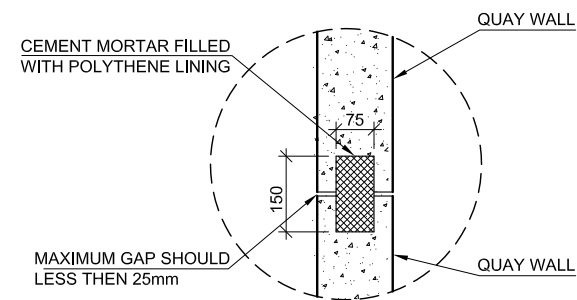
SECTION-A
SCALE 1 : 50



DETAIL-1





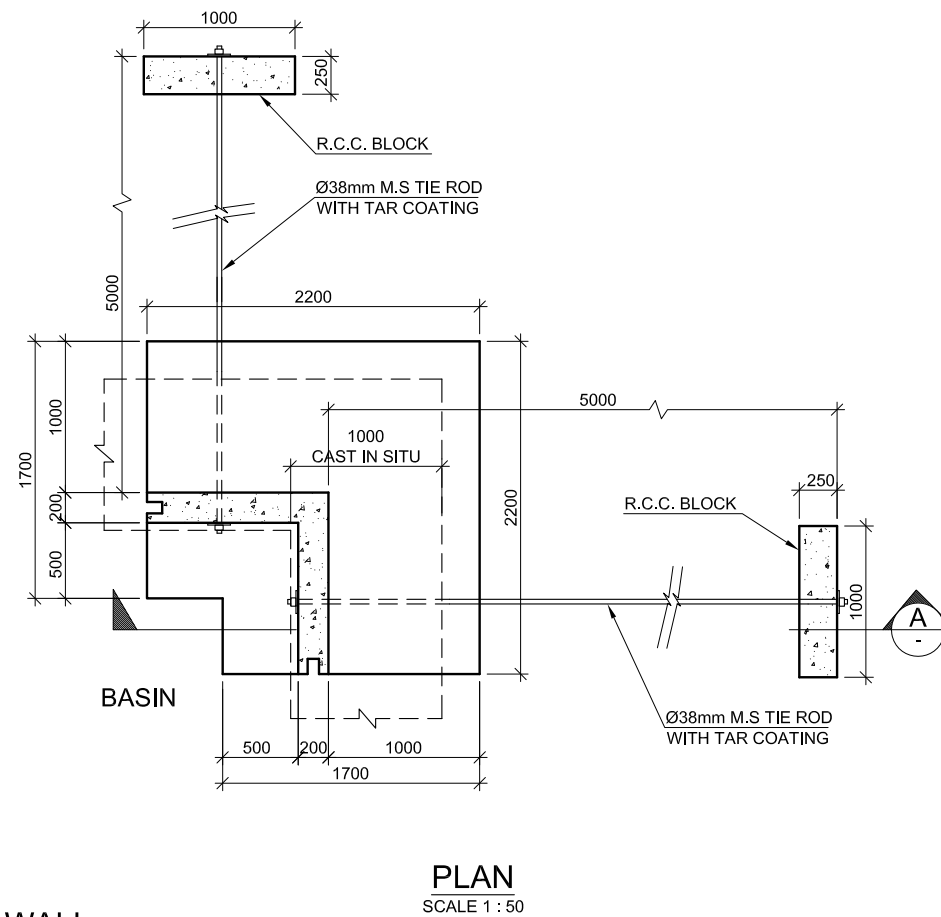
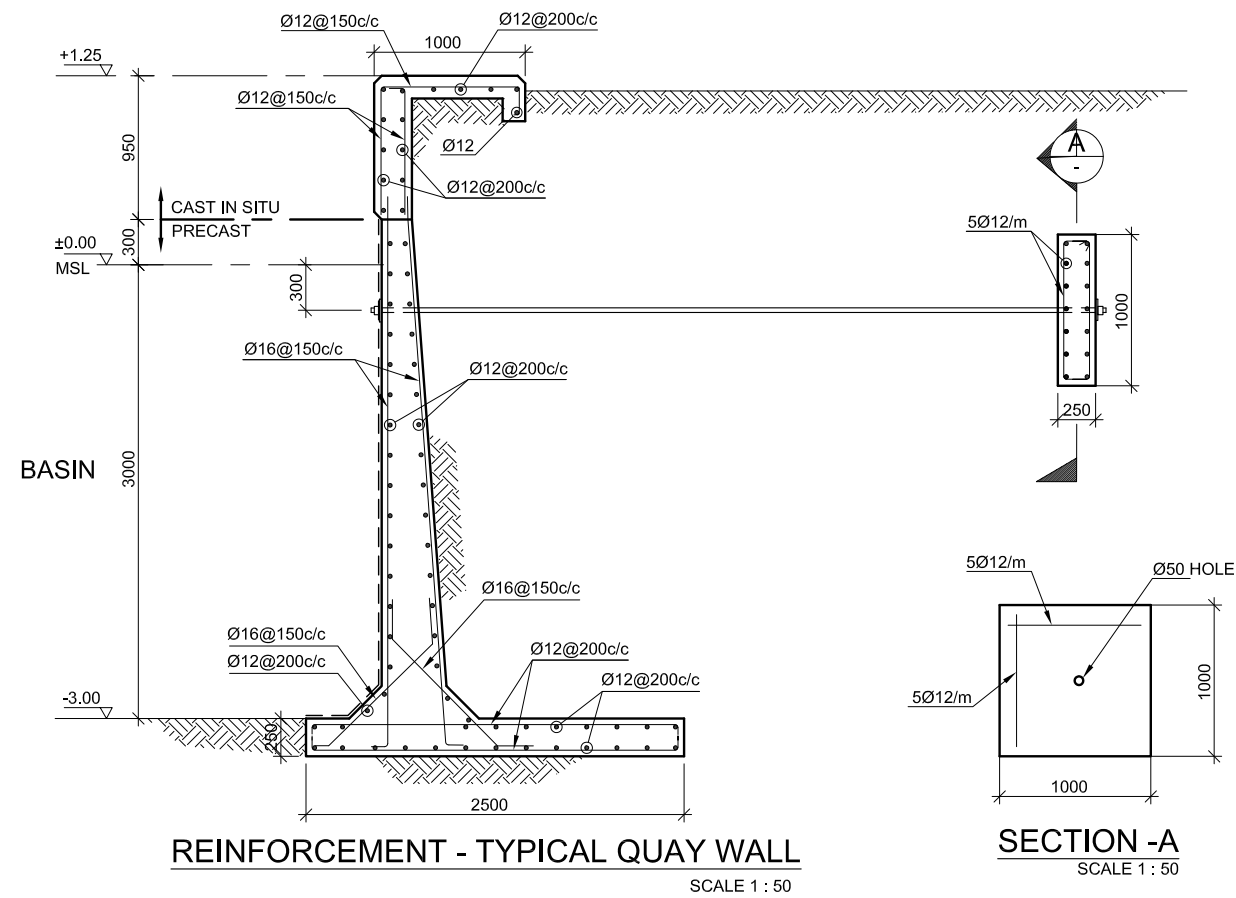
DETAIL-2

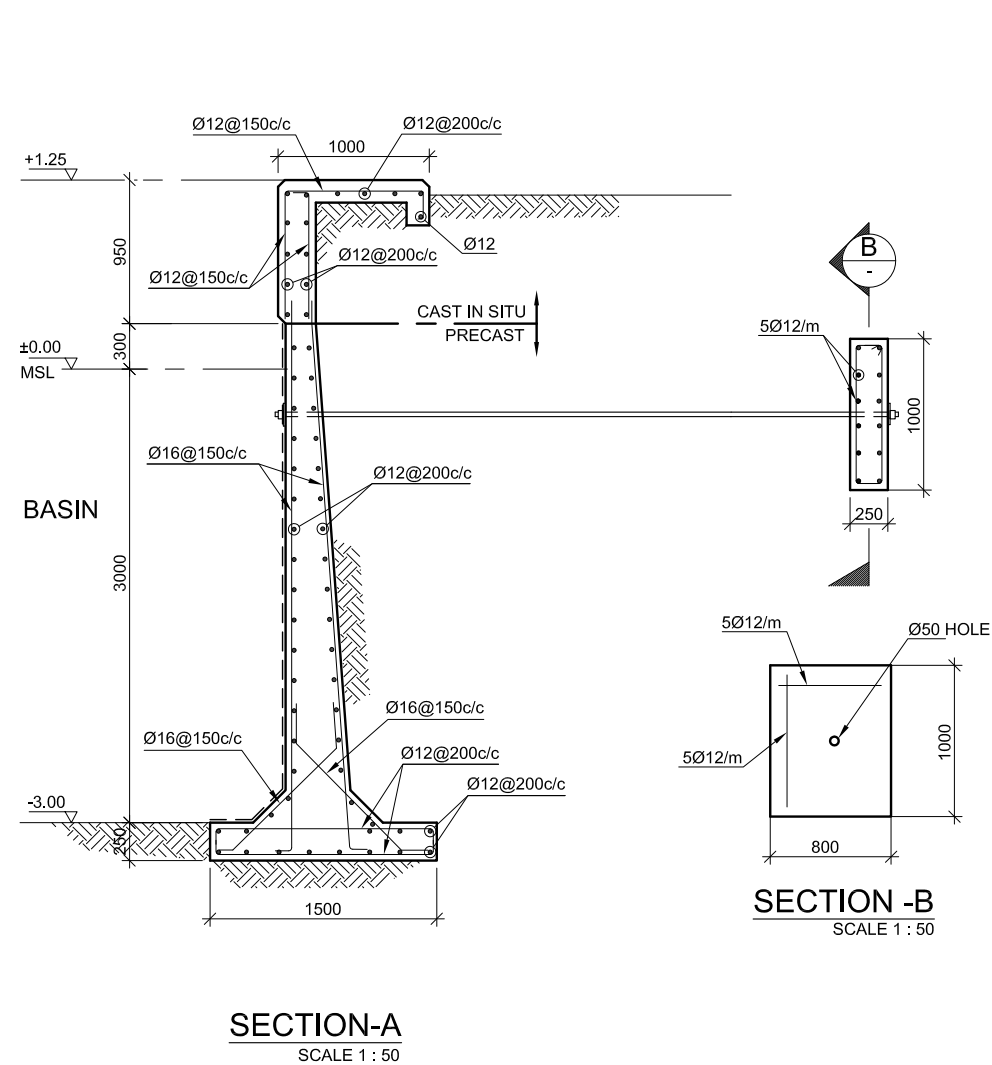


DETAIL-3

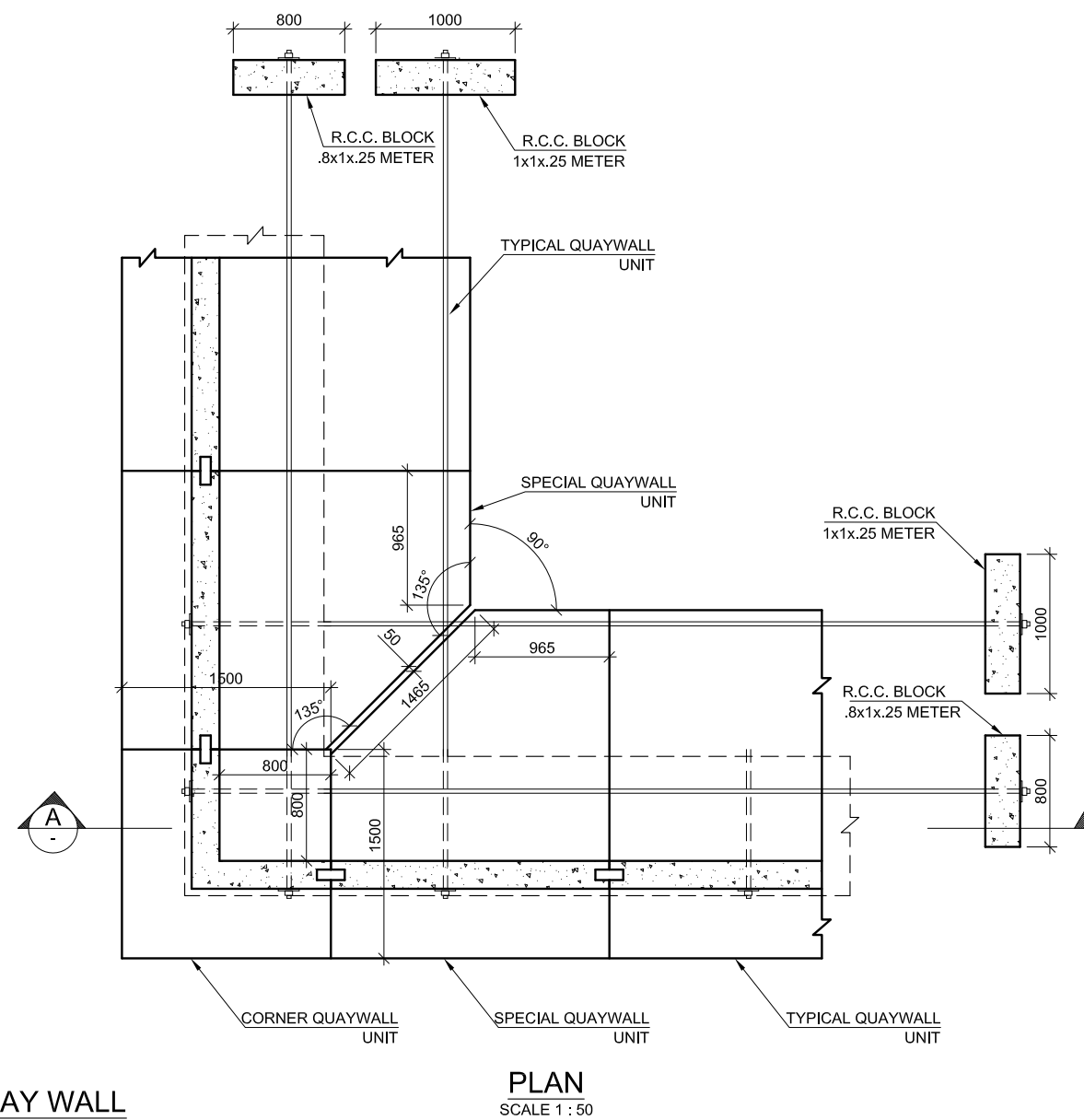
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CONSULTANT:					
 Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax: 2431136 P.O.Box 27154 Safat 13132 - Kuwait					
PROJECT:					
RECONSTRUCTION OF HARBORS					
PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR					
QUAYWALL DETAILS					
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SS	JP	MS	MA	1:50	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 5	LG-CI-05			
REV. No.	0				

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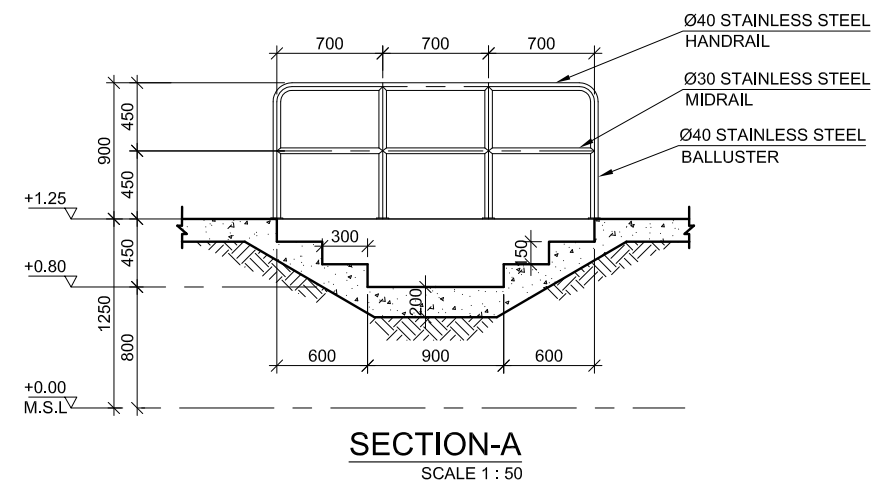
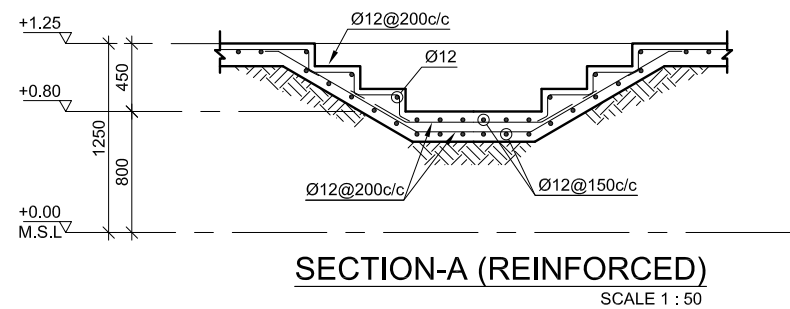




270° CORNER QUAY WALL

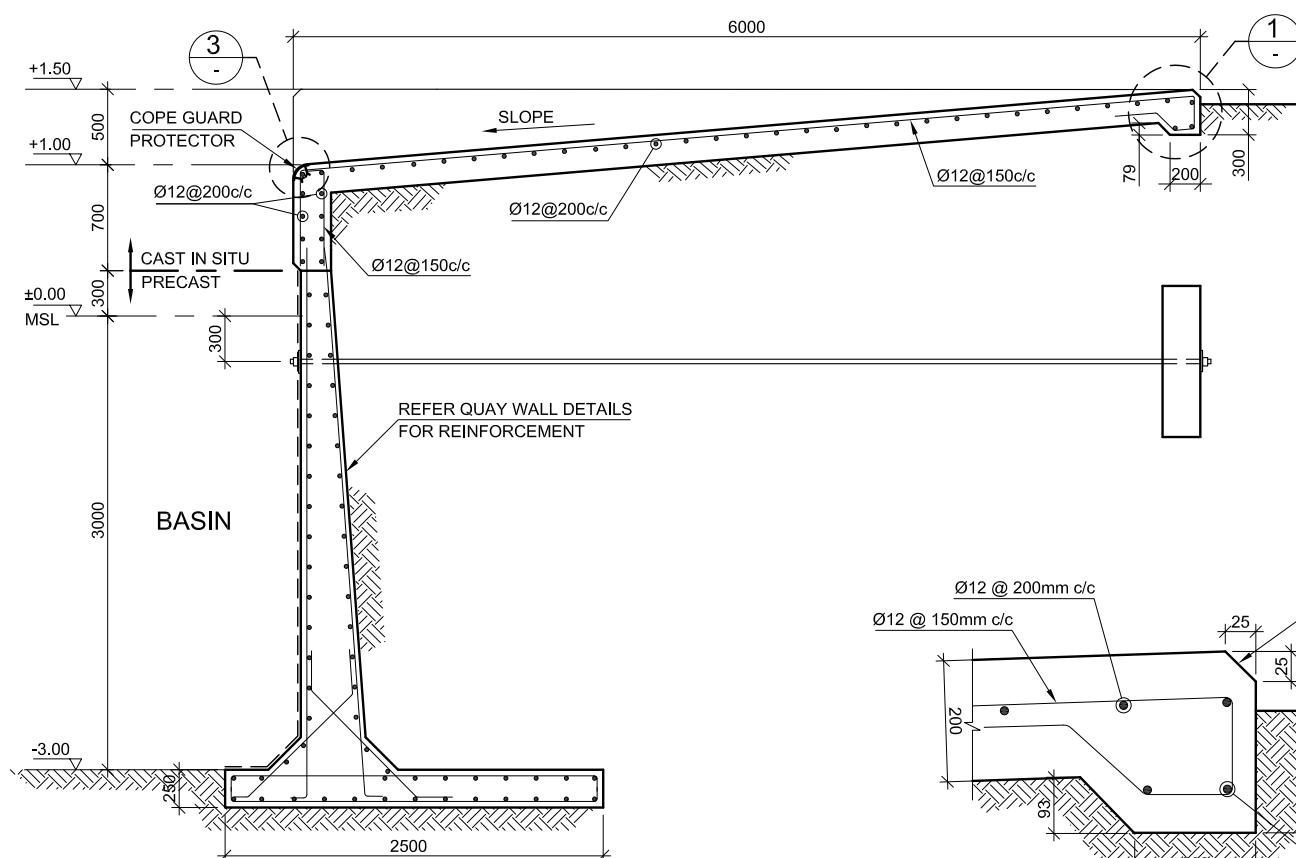


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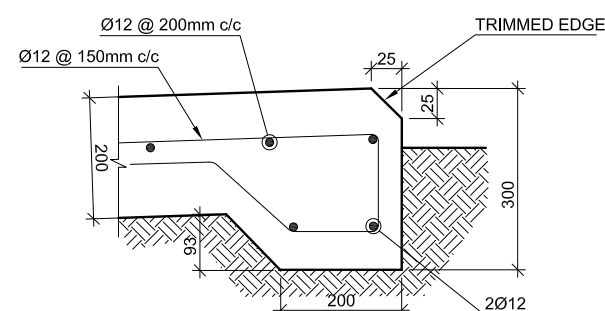
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CLIENT					
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CONSULTANT:					
 Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax: 2431136 P.O.Box 27154 Safat 13132 - Kuwait					
PROJECT:					
RECONSTRUCTION OF HARBORS					
PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR					
QUAYWALL DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:50	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	3 OF 5	LG-CI-05			
REV. No.	0				



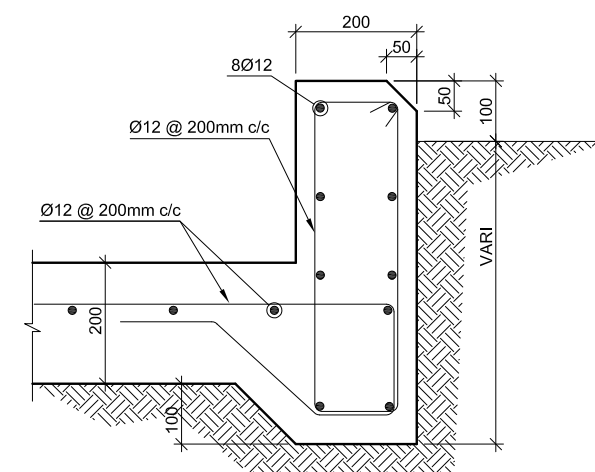
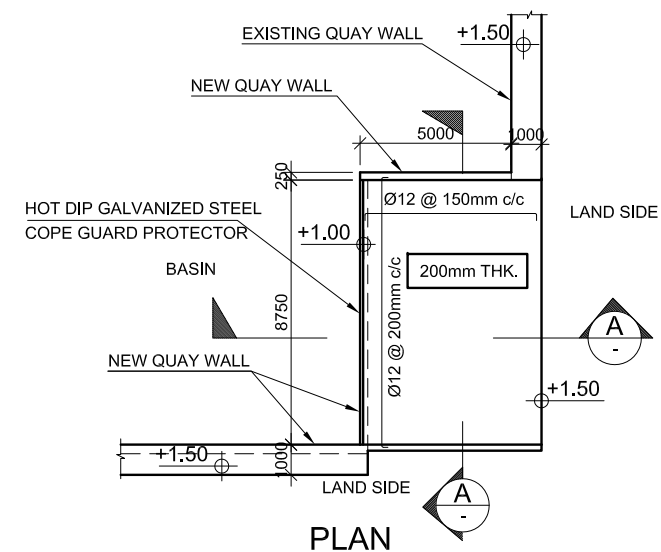
REV.	DATE	DESCRIPTION				DRAWN	CHKD.	APPRD.	
REVISION									
CLIENT									
 MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES									
CONSULTANT:									
Al-Habshi Consultant.  Al-Habshi Consultants Office Tel.: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safet 13132 - Kuwait									
PROJECT:									
RECONSTRUCTION OF HARBORS PHASE-2									
DRAWING TITLE:									
LAMU GAN THUNDI HARBOUR QUAYWALL DETAILS									
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE				
SS	JP	MS	MA	1:50	20-06-'14				
PROJECT No.		SHEET No.		DRAWING No.					
K-601		4 OF 5							
Rev. No.		0							
LG-CI-05									



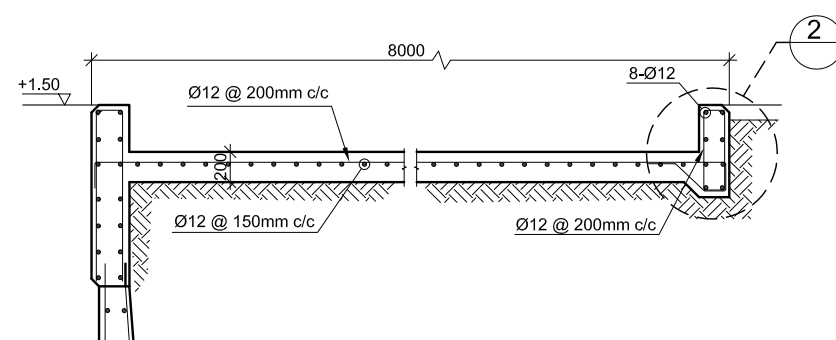
SECTION-A
SCALE 1 : 50



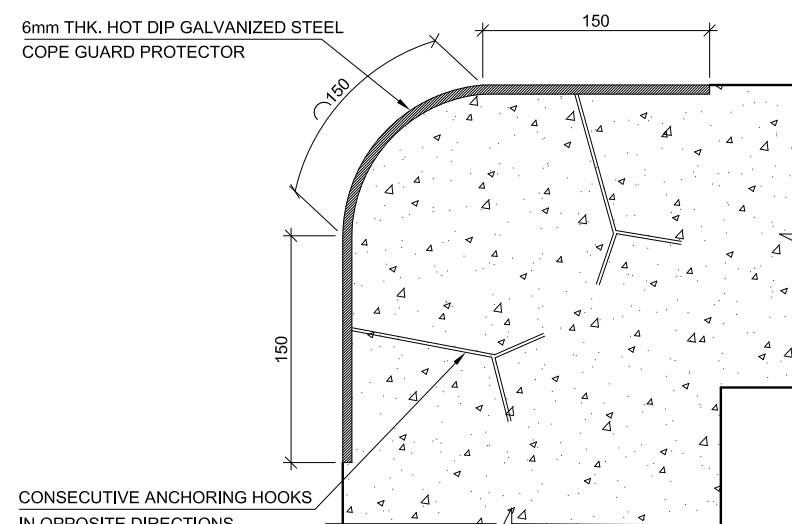
DETAIL-1
SCALE 1 : 10



DETAIL-2
SCALE 1 : 10



SECTION-B
SCALE 1 : 50



DETAIL-3
SCALE 1 : 25

DETAIL OF RAMP FOR LANDING CRAFT

NOTES:

- 1- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE SHOWN
- 2- PLAIN CEMENT CONCRETE (PCC) SHALL BE OF GRADE C10 (OR 10 N/MM^2 WHEN COMPRESSIVE STRENGTH AT 28 DAYS)
- 3- REINFORCED CEMENT CONCRETE (RCC) FOR WATER RETAINING STRUCTURE SHALL BE C40 FOR ALL PRECAST AND C35 FOR ALL CAST IN SITU ELEMENTS (COMPRESSIVE STRENGTH AT 28 DAYS)
- 4- YIELD STRENGTH OF STEEL REINFORCEMENT SHALL BE 460 N/MM^2
- 5- ALL STRUCTURE CONCRETE SHALL BE FROM SULPHATE RESISTANT CEMENT

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPROV.
REVISION					

CLIENT

MINISTRY OF HOUSING & INFRASTRUCTURE

REPUBLIC OF MALDIVES

CONSULTANT:

A-7 Habshi Consultants
Al-Habshi Consultants Office

 Tel.: 2430103 / 2433131 - Fax : 2431136
 P.O.Box 27154 Safat 13132 - Kuwait

PROJECT:

RECONSTRUCTION OF HARBORS

PHASE-2

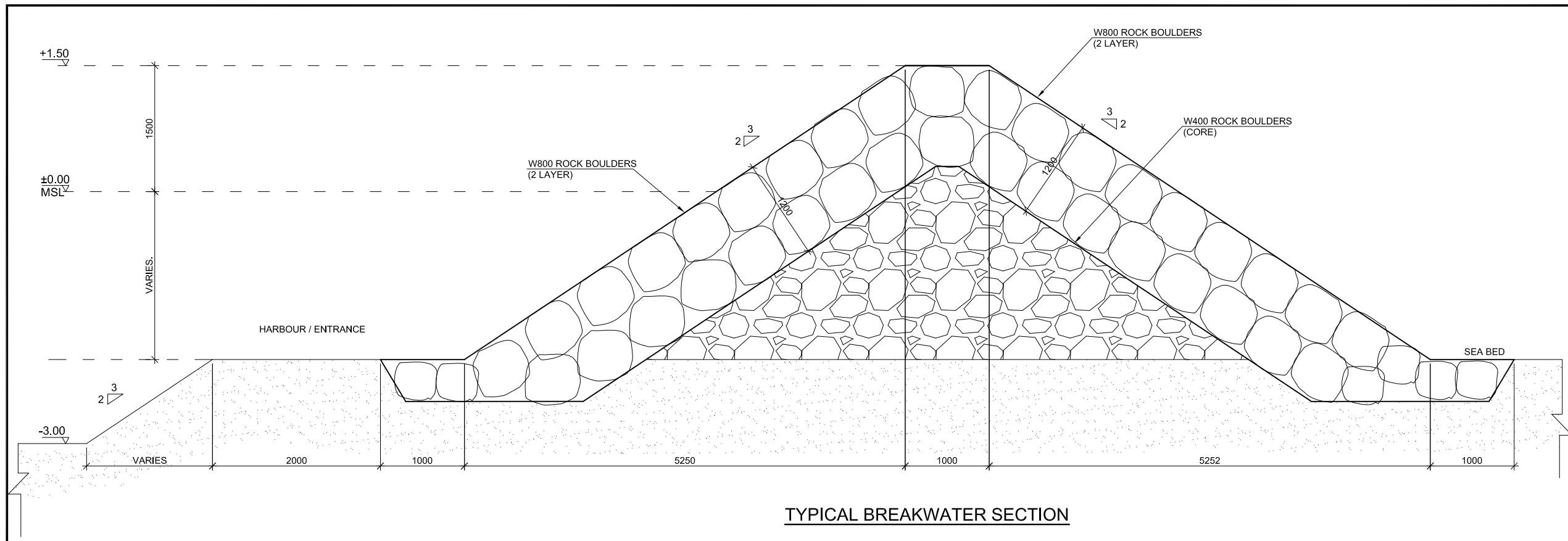
DRAWING TITLE:

LAMU GAN THUNDI HARBOUR

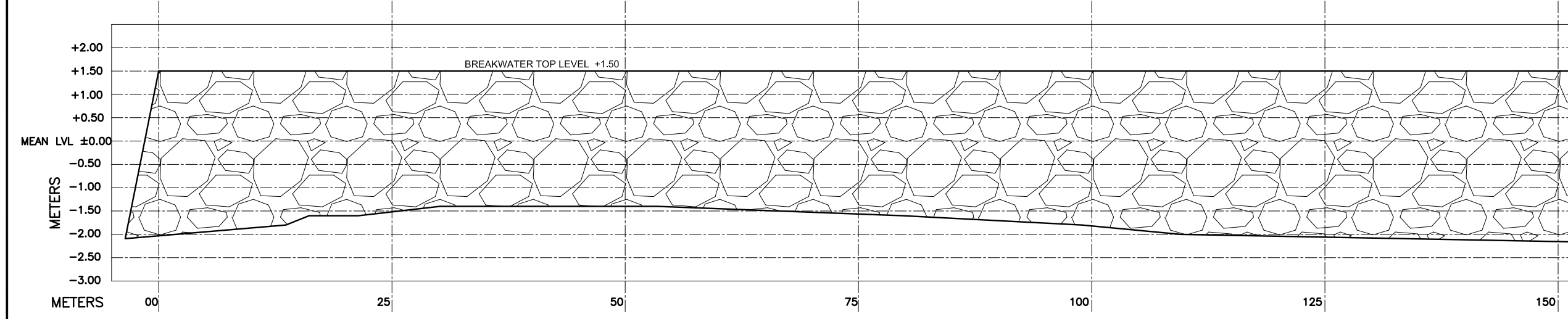
QUAYWALL DETAILS

CHECKED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:50	20-06-'14

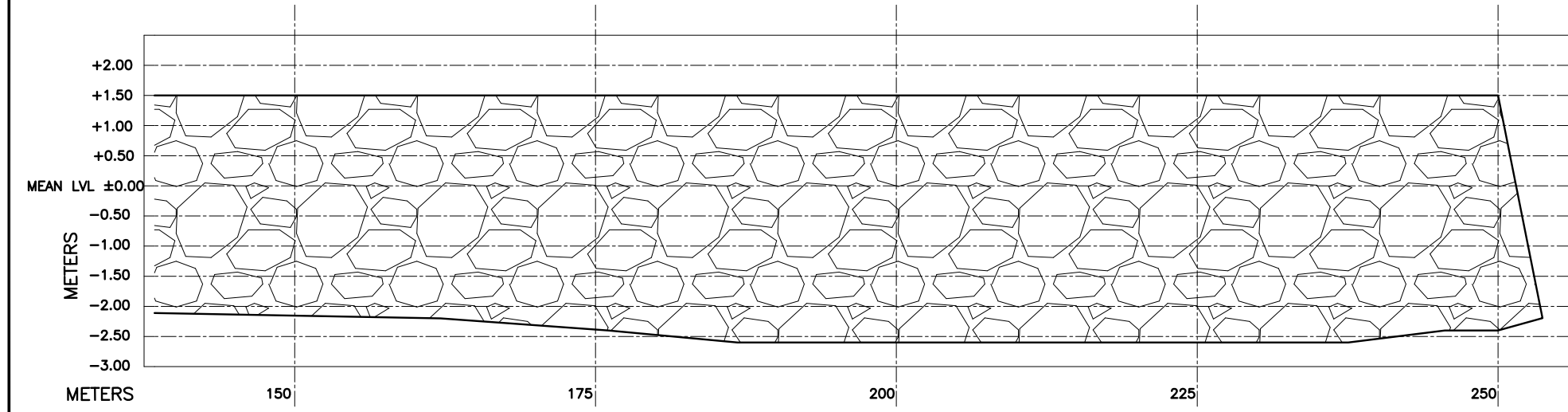
PROJECT No.	SHEET No.	DRAWING No.
K-601	5 OF 5	LG-CI-05
REV. No.	0	



TYPICAL BREAKWATER SECTION



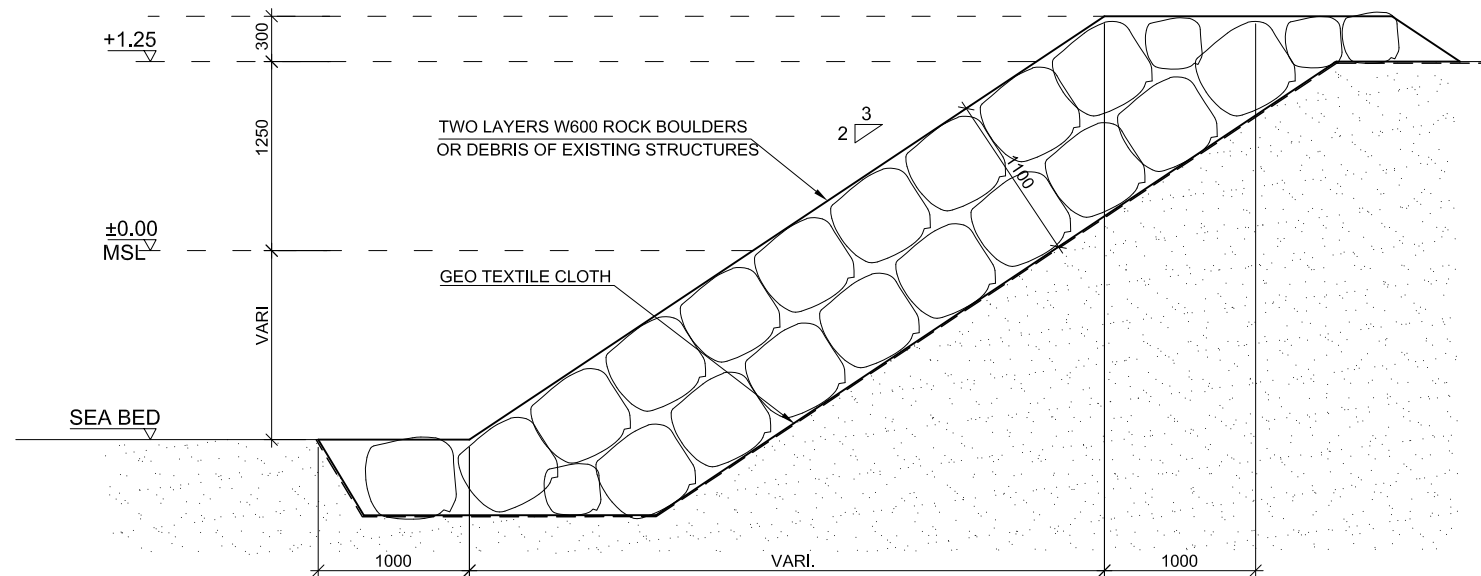
SOUTH BREAKWATER PROFILE



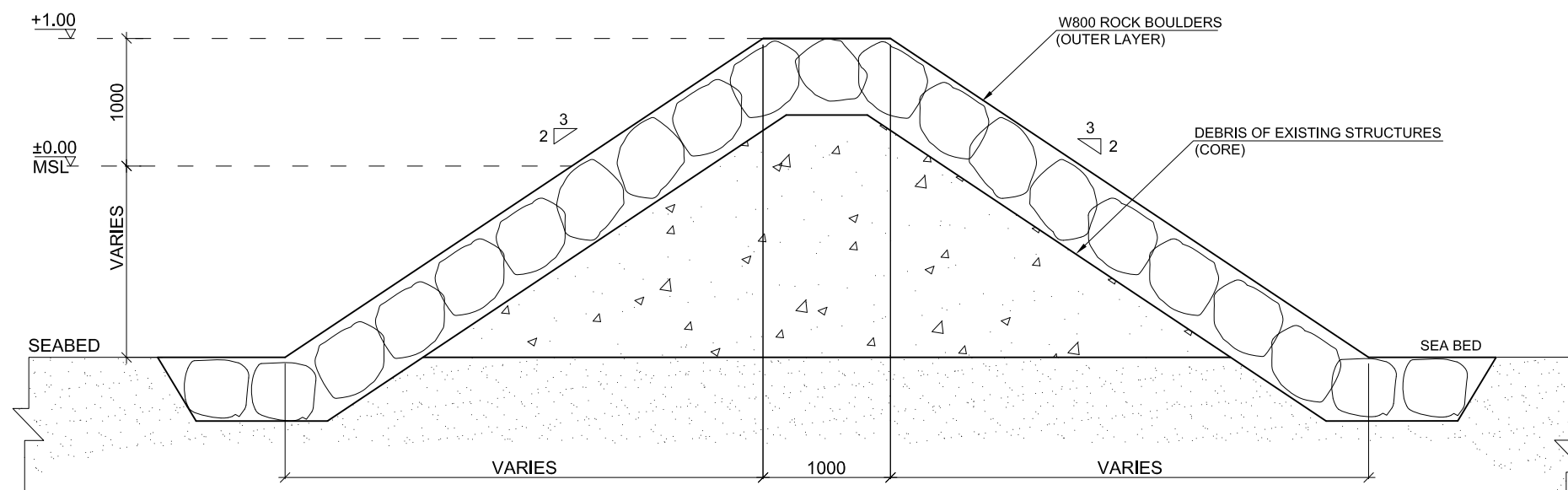
SOUTH BREAKWATER PROFILE

NOTES:

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					
CLIENT					
 MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES					
CONSULTANT:					
 Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax: 2431136 P.O.Box 27154 Safat 13132 - Kuwait					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR BREAKWATER DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:50	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 1	LG-CI-06			
REV. No.	0				

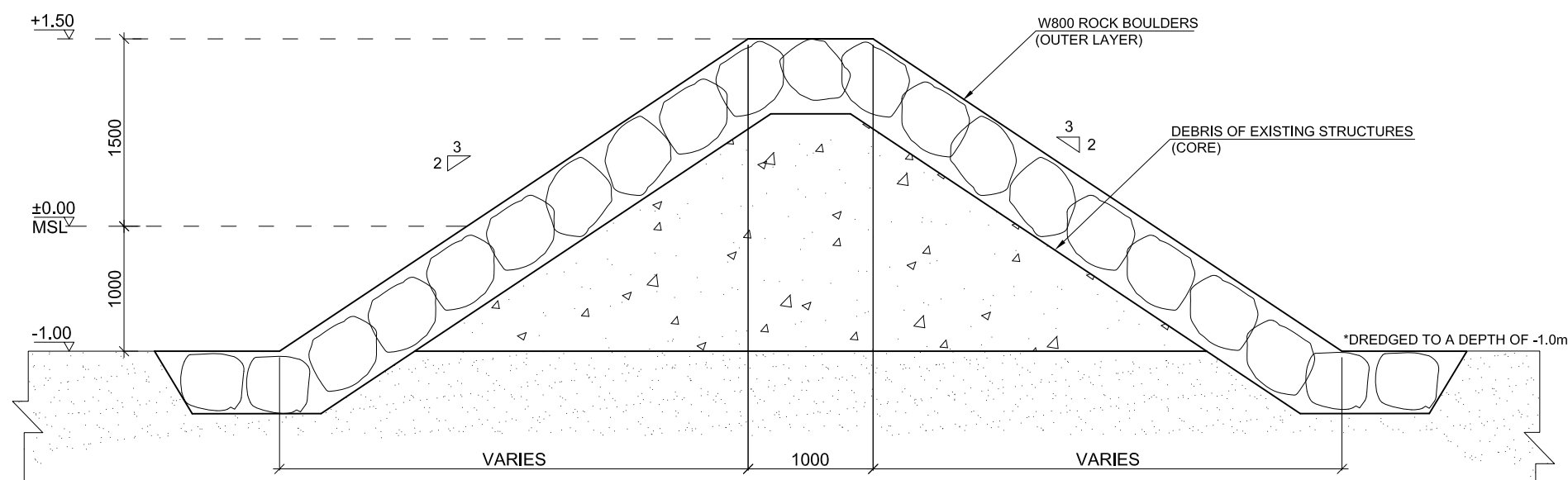


TYPICAL REVETMENT SECTION



TYPICAL GROIN SECTION- SEAWARD END

* IN THE AREA WHERE THE EXISTING BED LEVEL IS GRATER THAN -1.0m CONSTRUCTION HAS TO COMMENCE FROM THE EXISTING SEABED LEVEL (SEAWARD SIDE)



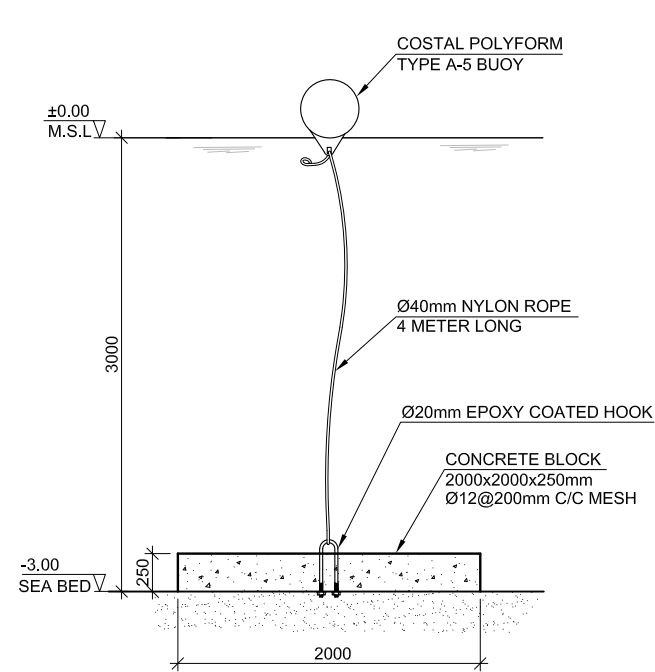
TYPICAL GROIN SECTION

* GRADUAL REDUCTION OF CREST LEVEL TO +1.0 AT THE SEAWARD END

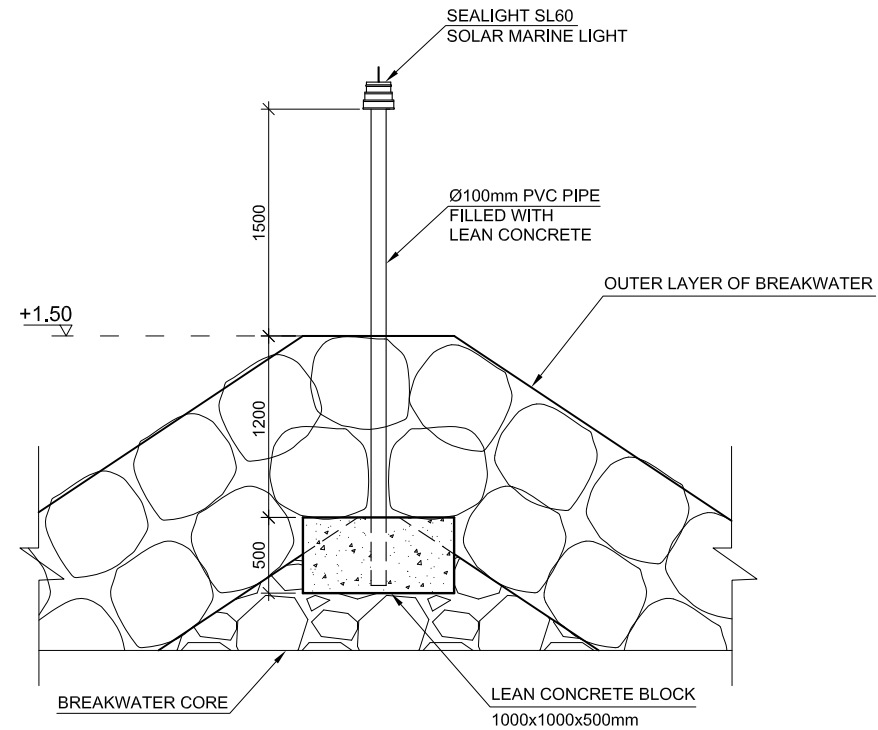
* IN THE AREA WHERE THE EXISTING BED LEVEL IS LESS THAN -1.0m CONSTRUCTION HAS TO COMMENCE FROM THE EXISTING SEABED LEVEL (SEAWARD SIDE)

NOTES:

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					
CLIENT					
<div>MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES</div>					
CONSULTANT:					
<div>Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait</div>					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR TYPICAL DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:50	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 2	LG-CI-07			
REV. No.	0				





MOORING BUOY
SCALE 1 : 50



**NAVIGATION LIGHT INSTALATION
AT BREAKWATER HEAD** SCALE 1 : 50

NOTES:

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					
CLIENT					
<div>MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES</div>					
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PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
LAMU GAN THUNDI HARBOUR TYPICAL DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:50	20-06-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	2 OF 2	LG-CI-07			
REV. No.	0				