

N. VELIDHOO HARBOUR LIST OF DRAWINGS		
DWG. NOS	DRAWING TITLES	REV. NO
NV-CI-00	LIST OF DRAWINGS	0
NV-CI-01	EXISTING LAYOUT	0
NV-CI-02	NEW DESIGN LAYOUT	0
NV-CI-03	NEW DESIGN W/ EXISTING FOOT PRINT	0
NV-CI-04	DREDGING PLAN	0
NV-CI-05	QUAY WALL DETAILS (SHEET 1 OF 3)	0
NV-CI-05	QUAY WALL DETAILS (SHEET 2 OF 3)	0
NV-CI-05	QUAY WALL DETAILS (SHEET 3 OF 3)	0
NV-CI-06	BREAKWATER DETAILS (SHEET 1 OF 3)	0
NV-CI-06	BREAKWATER DETAILS (SHEET 2 OF 3)	0
NV-CI-06	BREAKWATER DETAILS (SHEET 3 OF 3)	0
NV-CI-07	CONCRETE BRIDGE DETAILS	0
NV-CI-08	TYPICAL DETAILS	0




NOTES:



REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					
CLIENT					
<div><div></div><div>MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES</div></div>					
CONSULTANT:					
<div><div></div><div>Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait</div></div>					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
N.VELIDHOO HARBOUR LIST OF DRAWINGS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	N.T.S	27-07-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 1	NV-CI-00			
REV. No.	0				

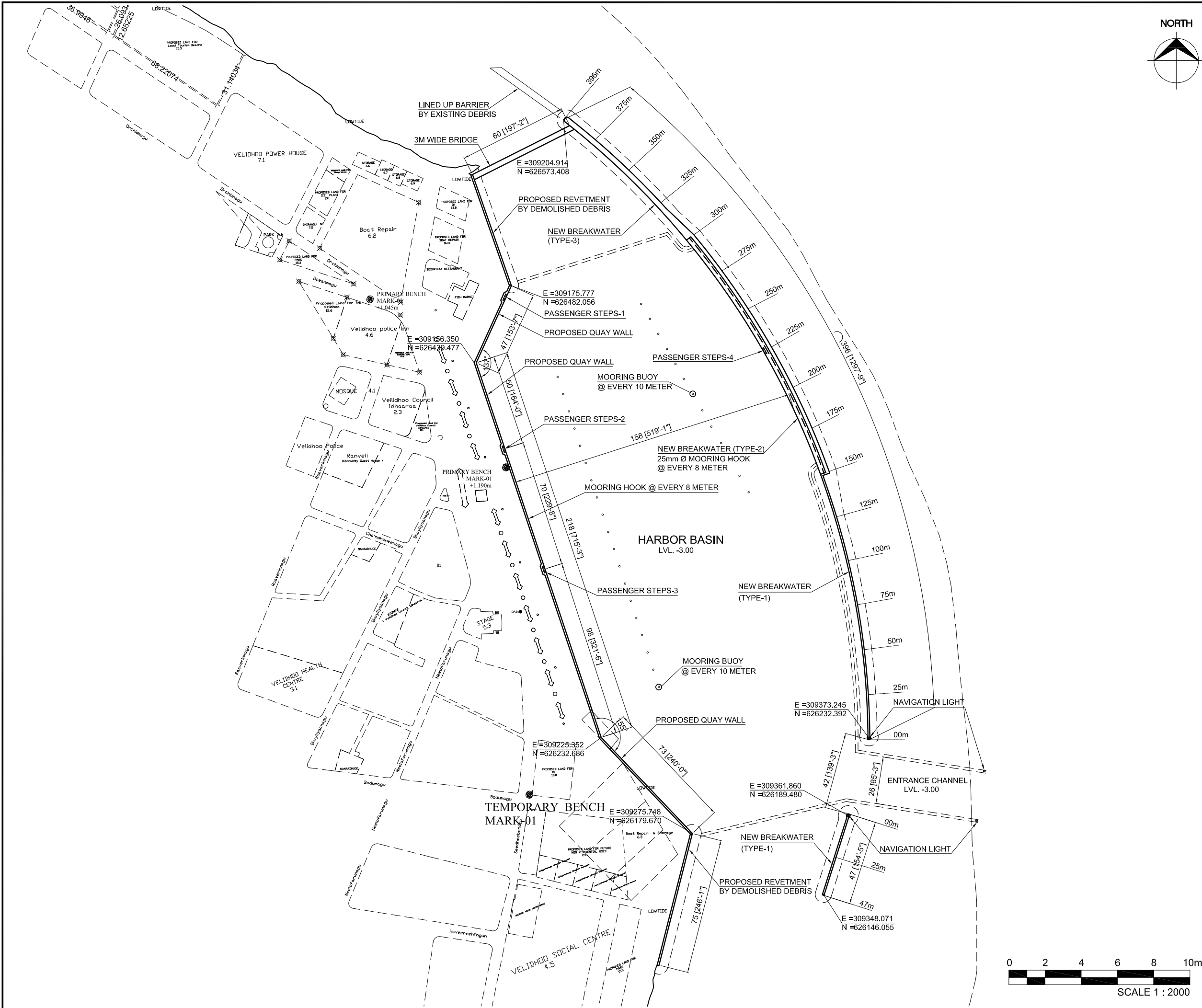


1 - ALL DIMENSIONS AND LEVELS ARE IN METER
UNLESS OTHERWISE SHOWN

Benchmark
 PBM-1 = +1.190m(309172.751E,626381.764N)
 PBM-2 = +1.045m(309097.698E,626474.538N)

-  - BEACH LINE (TOE OF BEACH)
-  - EXISTING QUAY WALL
-  - EXISTING BREAKWATER

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MINISTRY OF HOUSING & INFRASTRUCTURE									
REPUBLIC OF MALDIVES									
CONSULTANT:									
 Al-Habshi Consultant Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait									
PROJECT:									
RECONSTRUCTION OF HARBORS									
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DRAWING TITLE:									
N.VELIDHOO HARBOUR									
EXISTING LAYOUT									
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE				
SS	JP	MS	MA	1:2000	27-07-2014				
PROJECT No.		SHEET No.		DRAWING No.					
K-601		1 OF 1							
Rev. No.		0							
NV-CI-01									



- NOTES:**
- 1 - ALL DIMENSIONS AND LEVELS ARE IN METER UNLESS OTHERWISE SHOWN
 - 2 - LOCATION OF PASSENGER STEPS SHALL BE CONFIRMED IN THE FIELD IN ACCORDANCE WITH ENGINEER'S INSTRUCTIONS.
- LEGENDS:-**
- Benchmark
- ⊗ PBM-1 = +1.190m(309172.751E,626381.764N)
- ⊗ PBM-2 = +1.045m(309097.698E,626474.538N)

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REPUBLIC OF MALDIVES					
CONSULTANT:					
Al-Habshi Consultants Office					
 Tel.: 24301/03 / 24331/1 - Fax : 24311/36 P.O.Box 271/54 Safa: 131/32 - Kuaat.					
PROJECT:					
RECONSTRUCTION OF HARBORS					
PHASE-2					
DRAWING TITLE:					
N.VELIDHOO HARBOUR					
NEW DESIGN LAYOUT					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:2000	27-07-14
PROJECT No.		SHEET No.		DRAWING No.	
K-601		1 OF 1		NV-CI-02	
REV. No.		0			

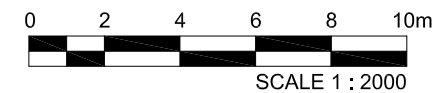
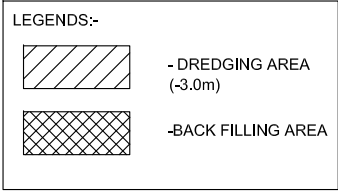


1 - ALL DIMENSIONS AND LEVELS ARE IN METER
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Legend:
 Benchmark
 PBM-1 = +1.190m(309172.751E,626381.764N)
 PBM-2 = +1.045m(309097.698E,626474.538N)

0 2 4 6 8 10m

SCALE 1 : 2000





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UNLESS OTHERWISE SHOWN

	Benchmark
✗	PBM-1 = +1.190m(309172.751E,626381.764N)
	PBM-2 = +1.045m(309097.698E,626474.538N)

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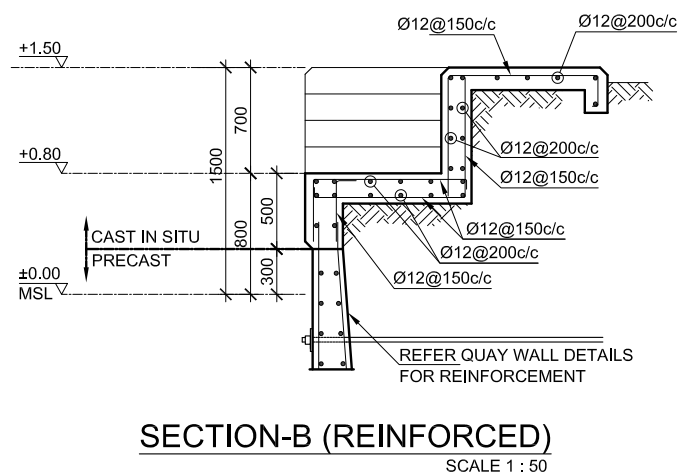
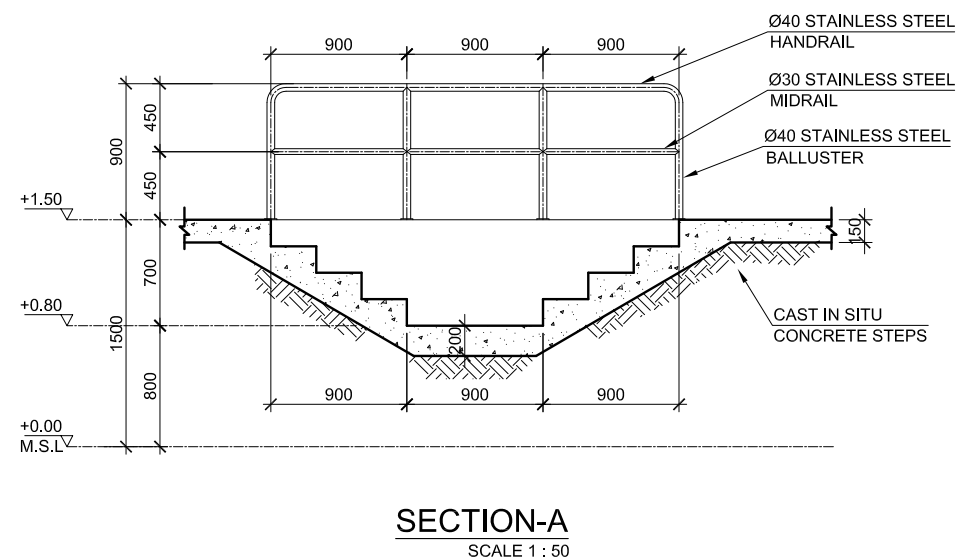
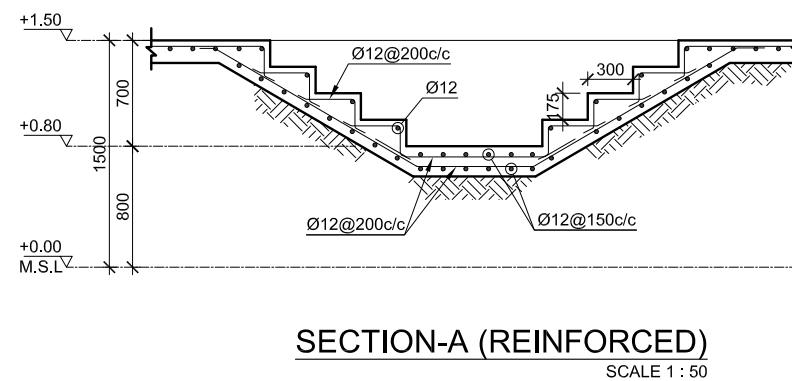
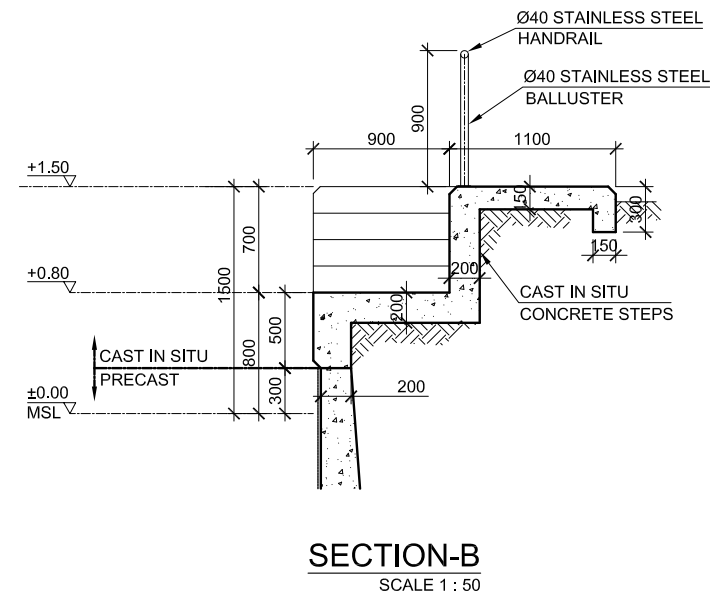
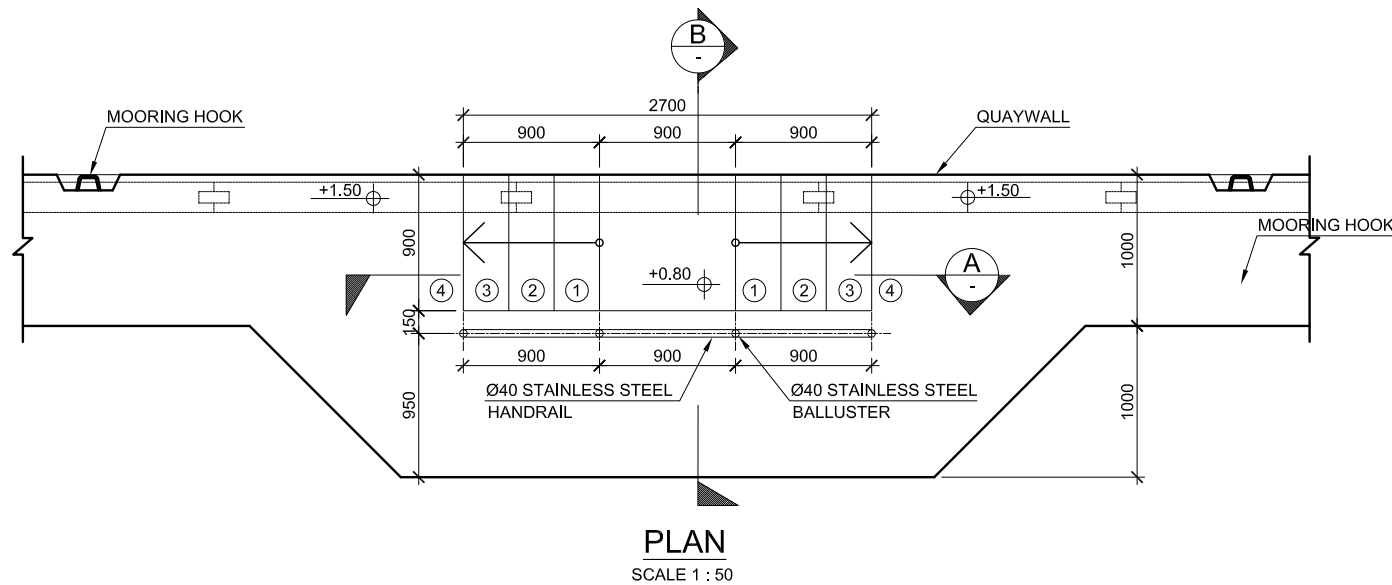
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REVISION									
CLIENT  MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES									
CONSULTANT: <div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;">  <small>Al-Habshi Consultant</small> </div> <div> Al-Habshi Consultants Office <small>Tel.: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait</small> </div> </div>									
PROJECT: <div style="text-align: center; padding: 10px;"> RECONSTRUCTION OF HARBORS PHASE-2 </div>									
DRAWING TITLE: <div style="text-align: center; padding: 10px;"> N.VELIDHOO HARBOUR QUAY WALL DETAILS </div>									
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE				
SS	JP	MS	MA	1:50	27-07-'14				
PROJECT No.		SHEET No.		DRAWING No.					
K-601		1 OF 3		NV-CI-05					
REV. No.		0							



- 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



[illegible]





DETAILS OF PASSENGER STEPS

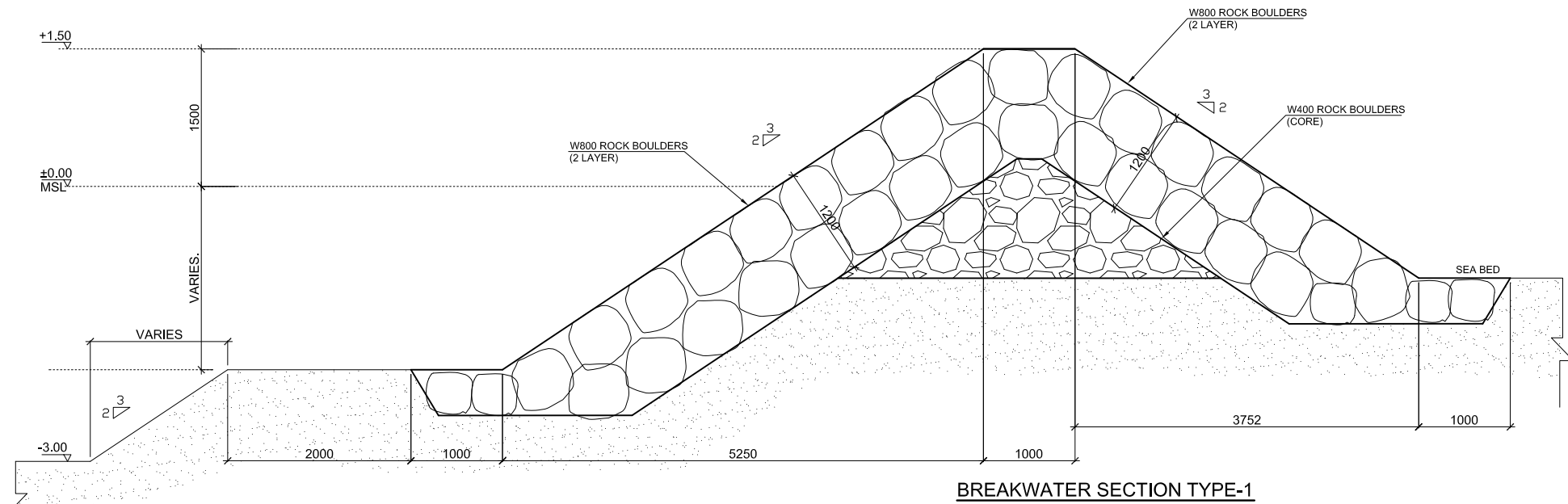
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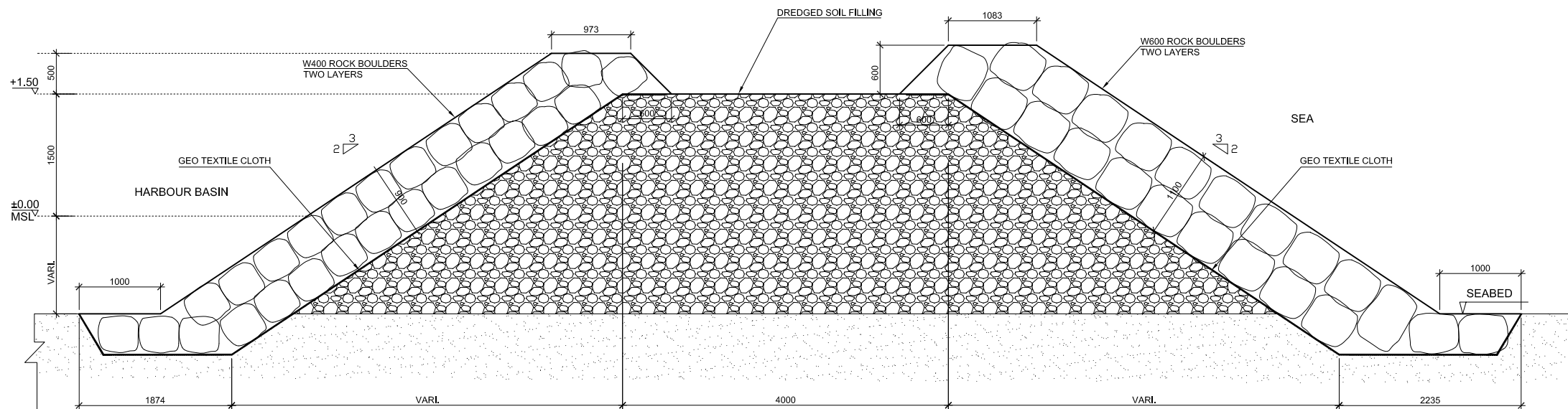
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K-601	3 OF 3	NV-CI-05			
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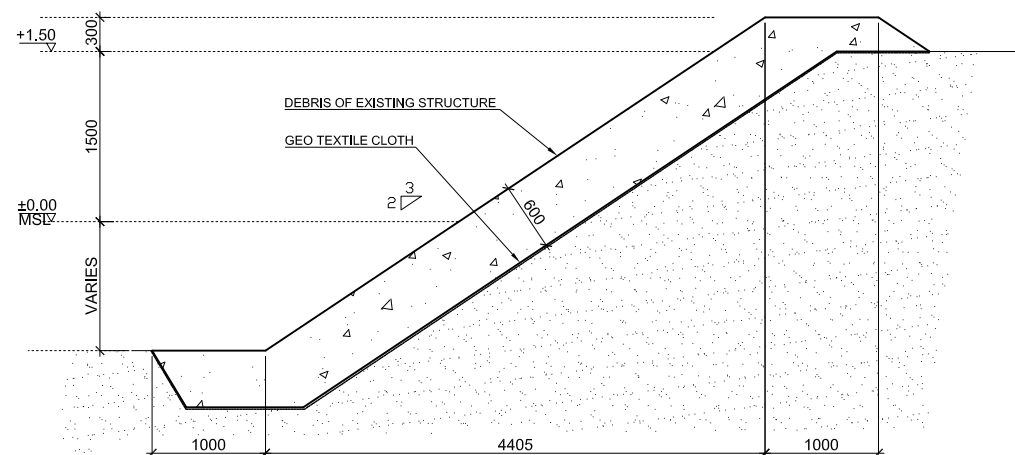
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PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
N.VELIDHOO HARBOUR BREAKWATER DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:75	27-07-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 3	NV-CI-06			
REV. No.	0				



BREAKWATER SECTION TYPE-1

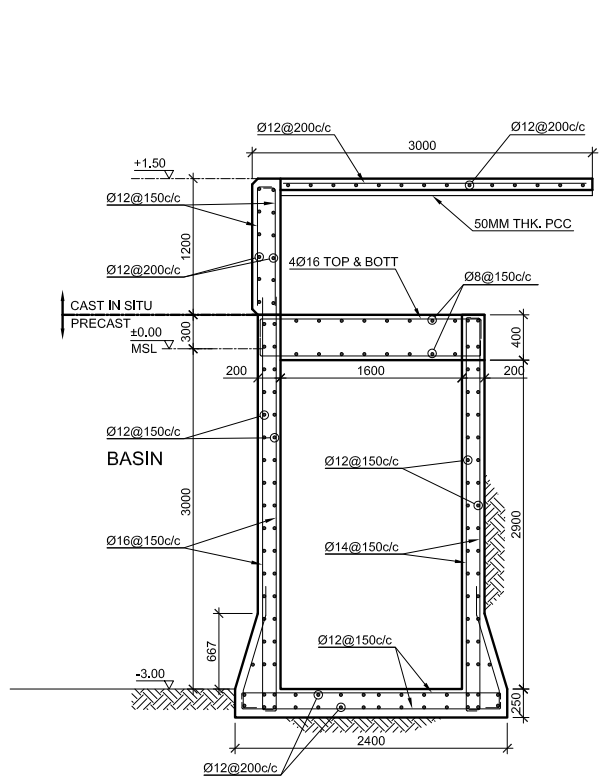


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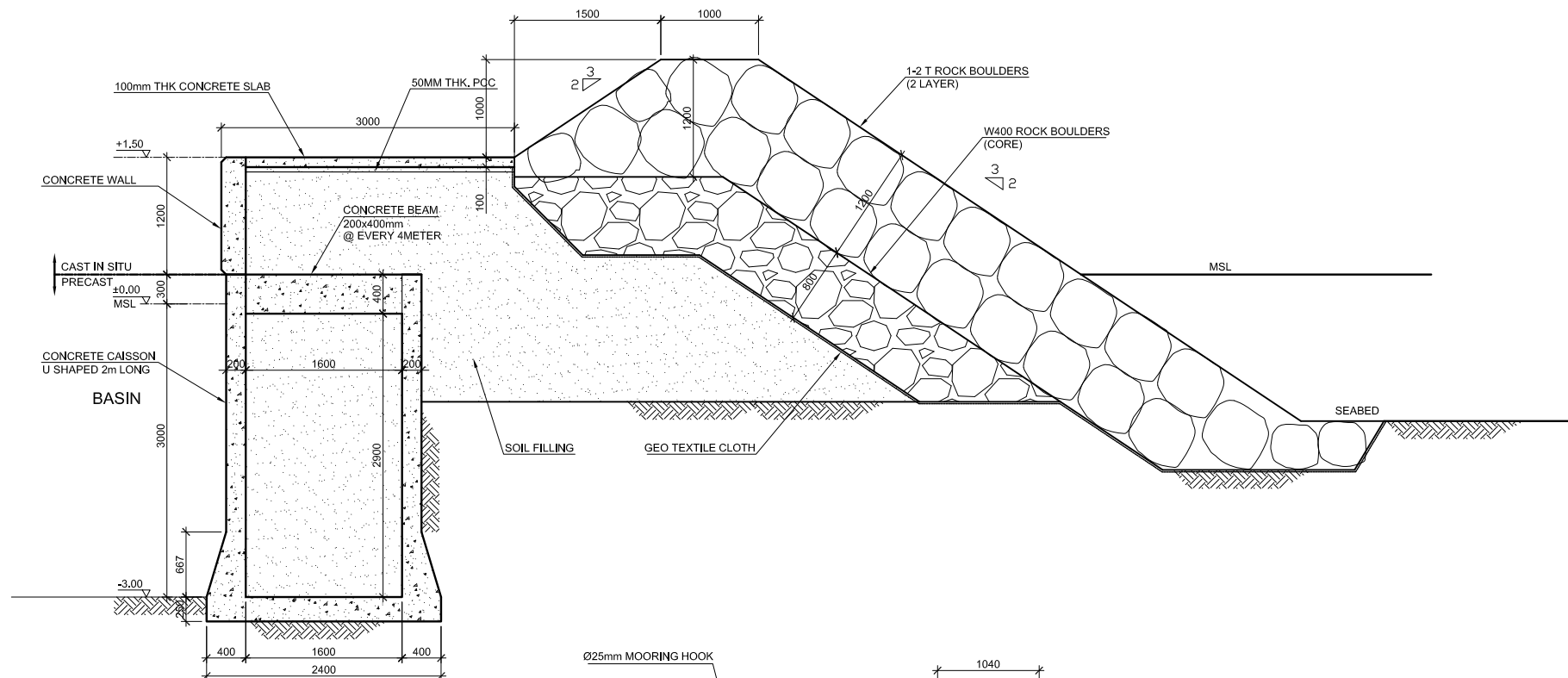


TYPICAL REVETMENT SECTION

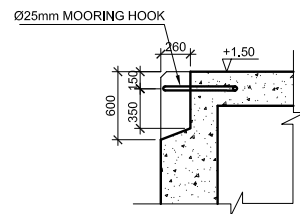
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CONCRETE CAISSON-REINFORCEMENT DETAILS

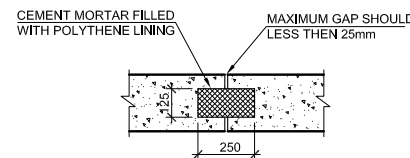


SECTION-BREAKWATER TYPE-2

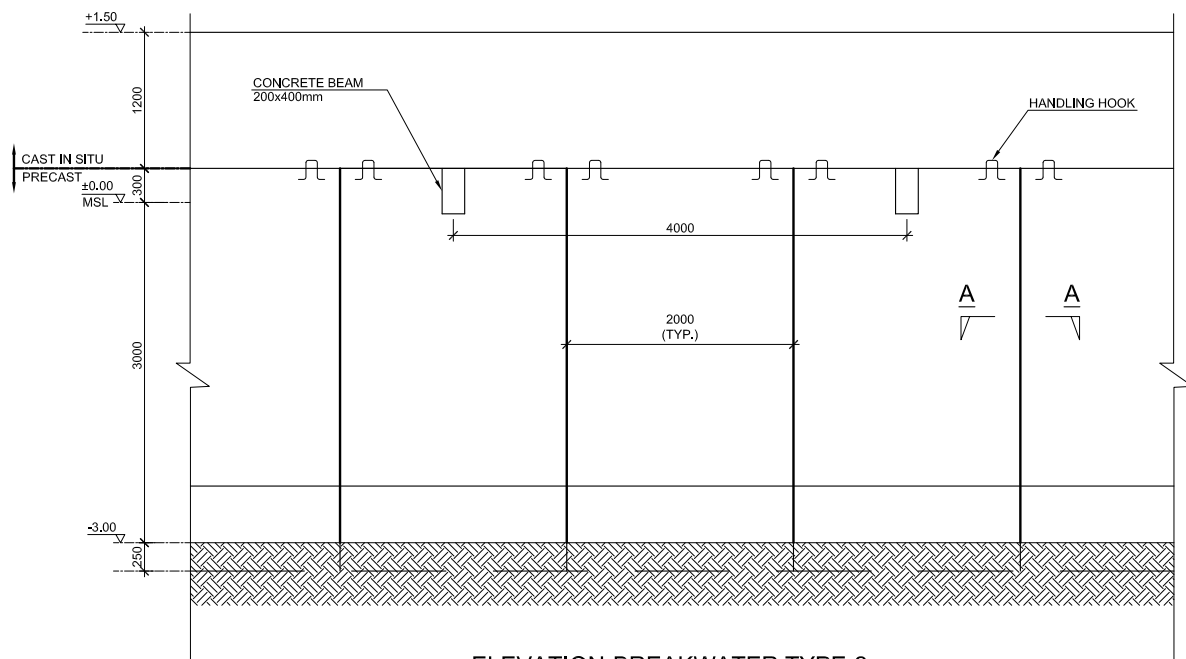


MOORING HOOK

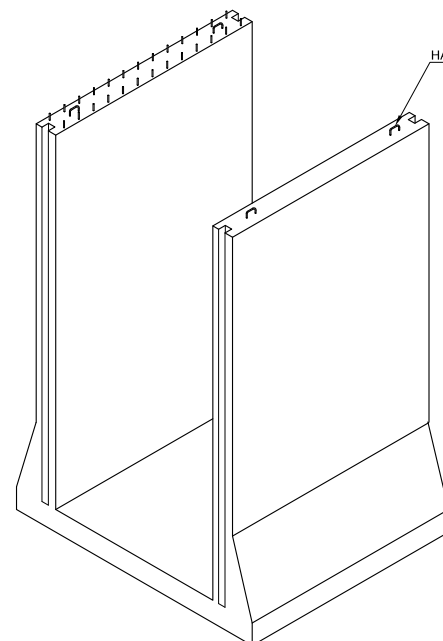
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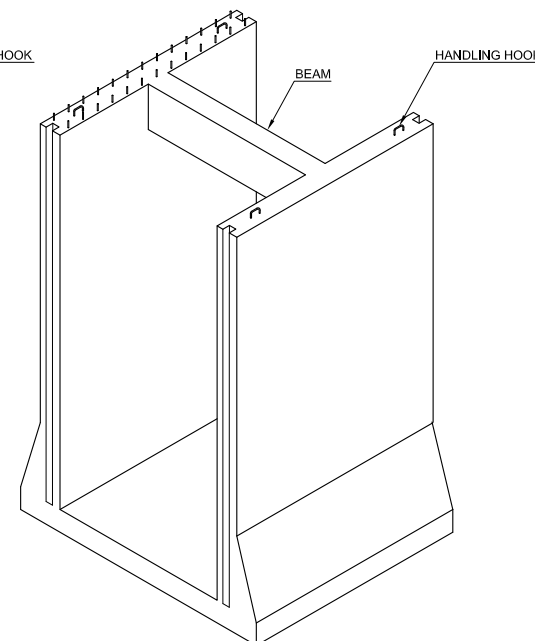
SECTION A-A



ELEVATION-BREAKWATER TYPE-2



PRECAST CONCRETE CAISSON

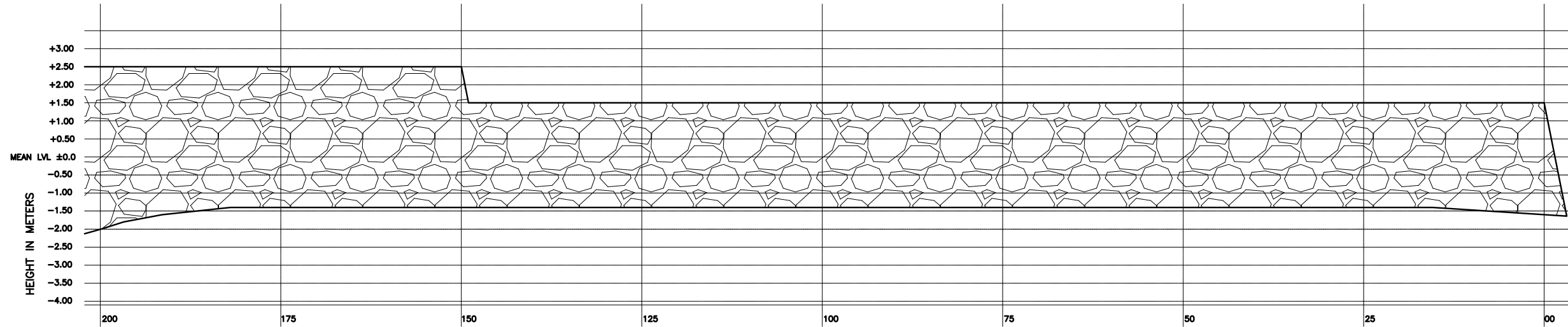


PRECAST CONCRETE CAISSON W/ TOP BEAM

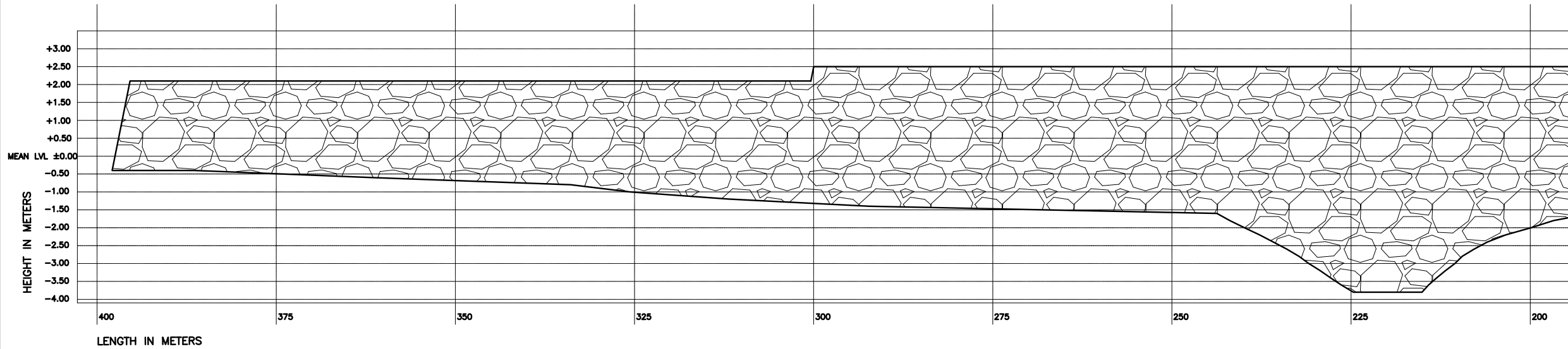
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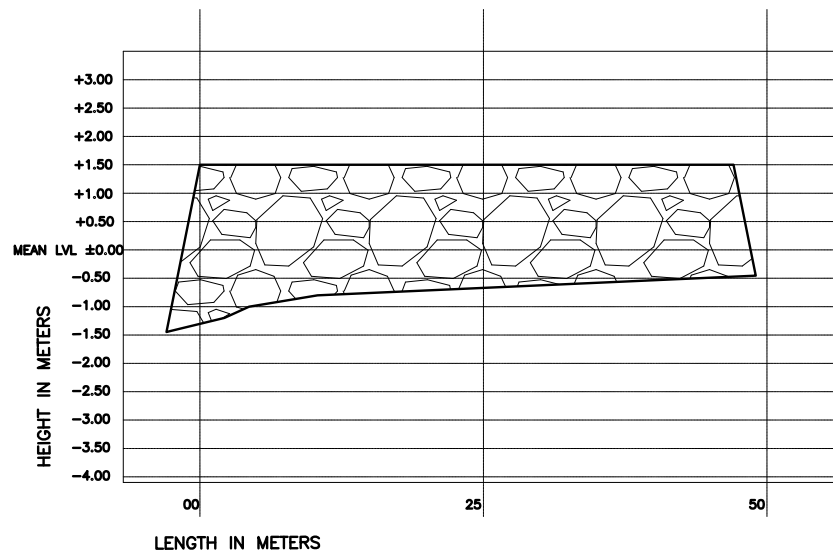
REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					
CLIENT					
 MINISTRY OF HOUSING & INFRASTRUCTURE REPUBLIC OF MALDIVES					
CONSULTANT:					
 Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax: 2431136 P.O.Box 27154 Safat 13132 - Kuwait					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
N.VELIDHOO HARBOUR BREAKWATER DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:75	27-07-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	2 OF 3	NV-CI-06			
REV. No.	0				



NORTH BREAKWATER PROFILE





NORTH BREAKWATER PROFILE




SOUTH BREAKWATER PROFILE

- NOTES:**
- 1 - ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE SHOWN
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 Al-Habshi Consultants Office Tel: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait					
PROJECT:					
RECONSTRUCTION OF HARBORS PHASE-2					
DRAWING TITLE:					
N.VELIDHOO HARBOUR BREAKWATER DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:75	27-07-14
PROJECT No.	SHEET No.	DRAWING No.			
K-601	3 OF 3	NV-CI-06			
REV. No.	0				

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD.
REVISION					


CIENT



MINISTRY OF HOUSING & INFRASTRUCTURE

REPUBLIC OF MALDIVES

CONSULTANT:



Al-Habshi
Consultant.

A-I-Habshi Consultants Office

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

PROJECT:

RECONSTRUCTION OF HARBORS

PHASE-2

DRAWING TITLE:

N.VELIDHOO HARBOUR

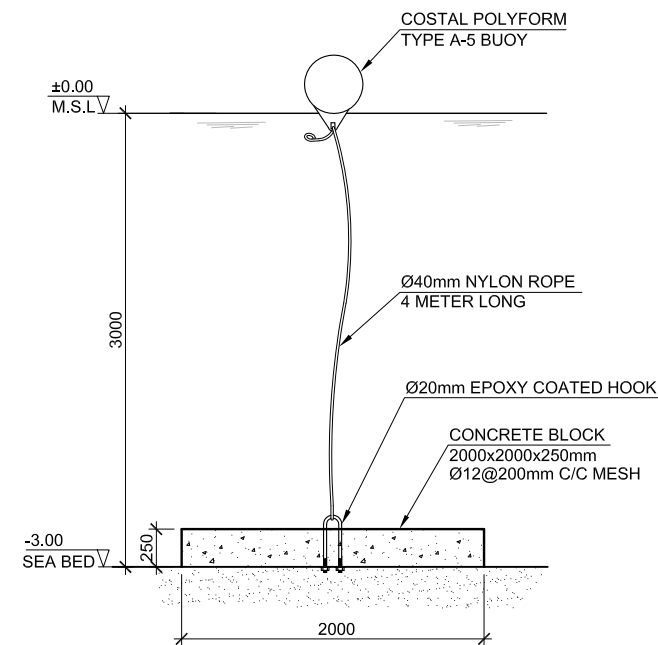
CONCRETE BRIDGE DETAILS

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SS	JP	MS	MA	1:50	27-07-'14

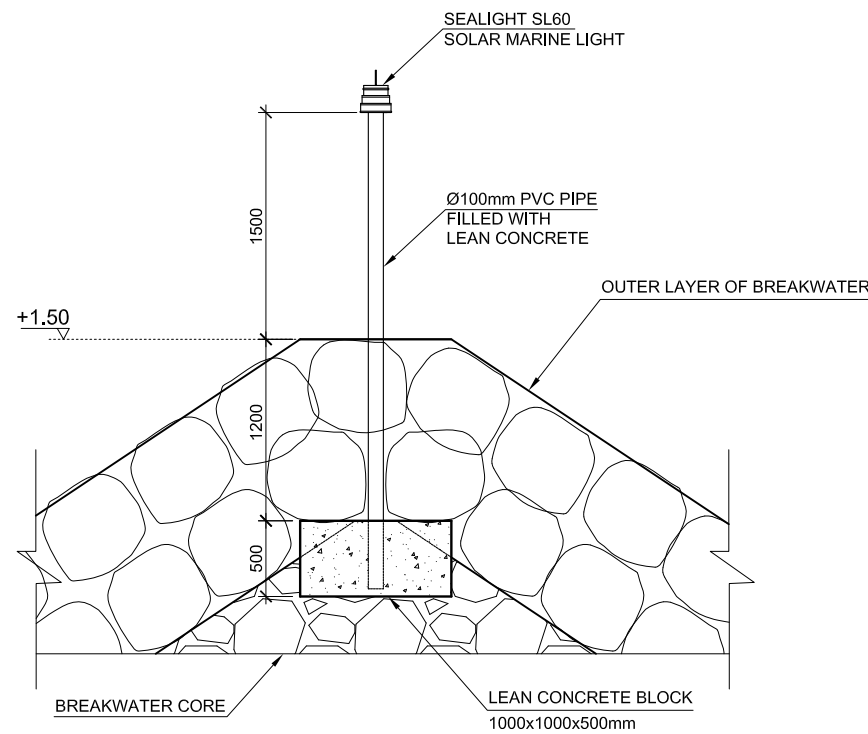
PROJECT No. SHEET No. DRAWING No.

K-601	1 OF 1
Rcv. No.	0

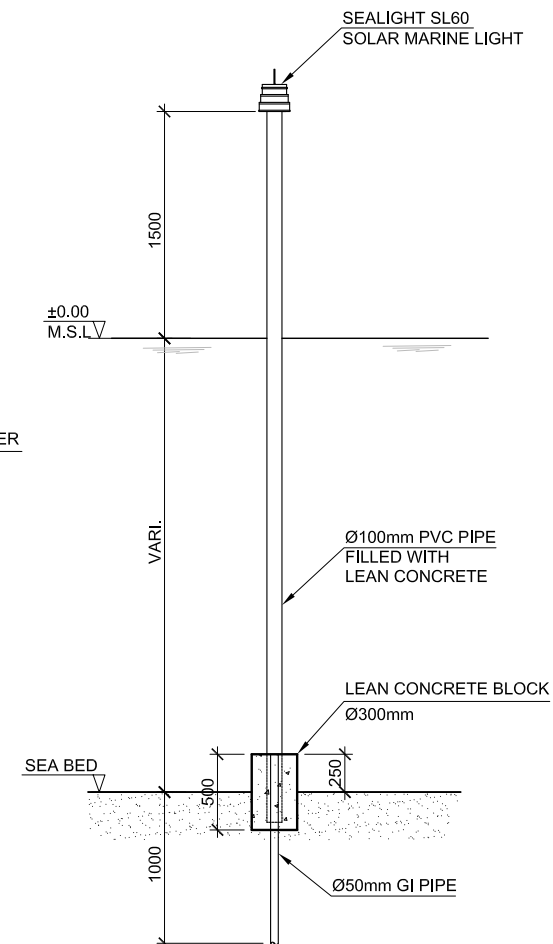
NV-CI-07



MOORING BUOY / MARKER BUOY
SCALE 1 : 50





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



**NAVIGATION LIGHT INSTALATION
AT REEF** SCALE 1 : 50

NOTES:

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RECONSTRUCTION OF HARBORS PHASE-2					
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N.VELIDHOO HARBOUR TYPICAL DETAILS					
DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
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PROJECT No.	SHEET No.	DRAWING No.			
K-601	1 OF 1	NV-CI-08			
REV. No.	0				