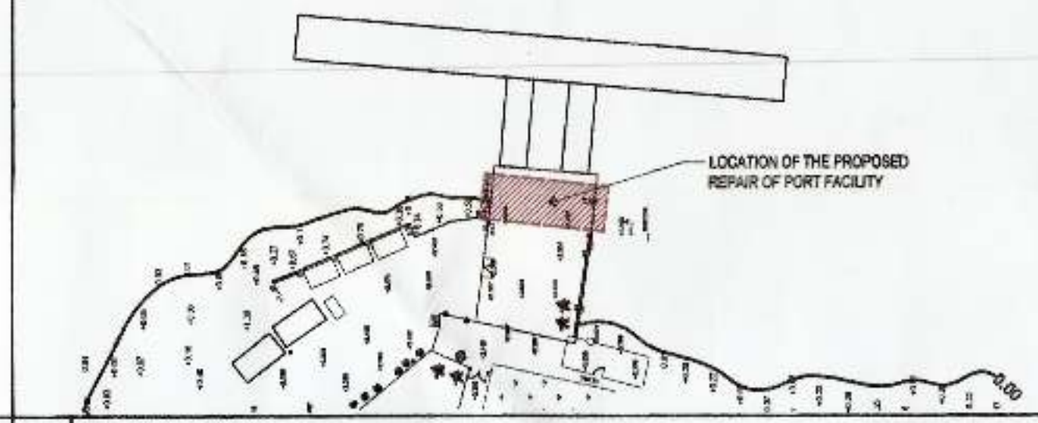
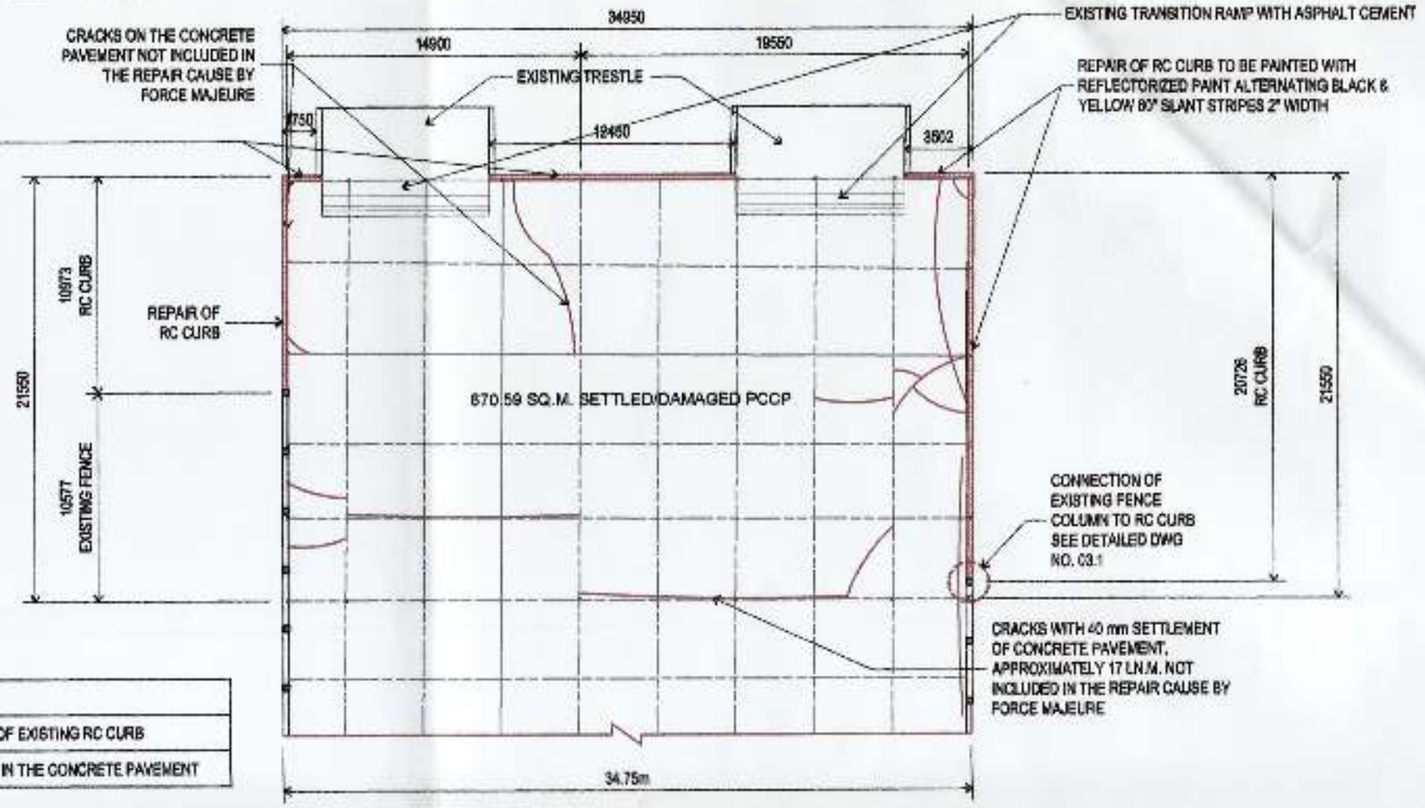
SHT. NO.	DESCRIPTION
01	• PORT LOCATION MAP • LOCATION PLAN • SHEET CONTENTS • EXISTING PLAN
02	• PROPOSED REPAIR PROJECT PLAN • DRAINAGE PLAN • SHORT SECTION ELEVATION • CONNECTION DETAIL PLAN BETWEEN RC CURB AND EXISTING FENCE COLUMN
03	• LONG SECTION ELEVATION • CONSTRUCTION JOINT DETAIL • TYPICAL PAVEMENT REBARS
04	• SECTION VIEW FOR THE REPAIR OF SETTLED RC CURB DETAIL • OPEN TYPE CANAL W/ GRATINGS (OTC) – PLAN VIEW • SECTION VIEW OF OPEN TYPE CANAL W/ GRATINGS (OTC) • 600X1000 mm DRAINAGE STEEL GRATING PLAN VIEW DETAIL • INTERLOCKING SQUARE BAR SECTION • BOLT FIXING
05	• ANGLE BAR LINING SECTION DETAIL • ANGLE BAR LINING SECTION ISOMETRIC VIEW • PLAN VIEW OF OUTFALL • OFFSHORE VIEW OF OUTFALL • SECTION VIEW OF OUTFALL
06	• CROSS SECTION OF OUTFALL • CDA BILLBOARD STEEL FRAME • PERIMTER FENCE ELEVATION SHOWING THE DAMAGED PART • CONCRETE STIFFENER DETAIL
07	• CATCH BASIN (CB-1 & CB-2) AND OPEN TYPE CANAL (OTC) SLOPE SECTION DIAGRAM • CATCH BASIN (CB-3 TO CB-8) AND OPEN TYPE CANAL (OTC) SLOPE SECTION DIAGRAM • SCHEDULE OF CATCH BASIN (CB) AND OPEN TYPE CANAL (OTC) DEPTH DIMENSION
08	• CATCH BASI PLAN VIEW (CB) • ISOMETRIC VIEW OF CATCH BASIN (CB) COVER • CATCH BASIN (CB) COVER SECTION • CATCH BASIN (CB) SECTION DETAILS



01.2 PORT LOCATION MAP
SCALE 1: NTS METERS



01.3 LOCATION PLAN
SCALE 1: 2000 METERS



LEGEND:

	REPAIR OF EXISTING RC CURB
	CRACKS IN THE CONCRETE PAVEMENT

01.1 SHEET CONTENTS
SCALE 1: NTS METERS

01.4 EXISTING PLAN
SCALE 1: 200 METERS

PHILIPPINE PORTS AUTHORITY

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA PRINCIPAL ENGINEER A	ASTERIO T. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

SHEET CONTENTS: PORT LOCATION MAP / LOCATION PLAN / SHEET CONTENTS / EXISTING PLAN

PROJECT TITLE: REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

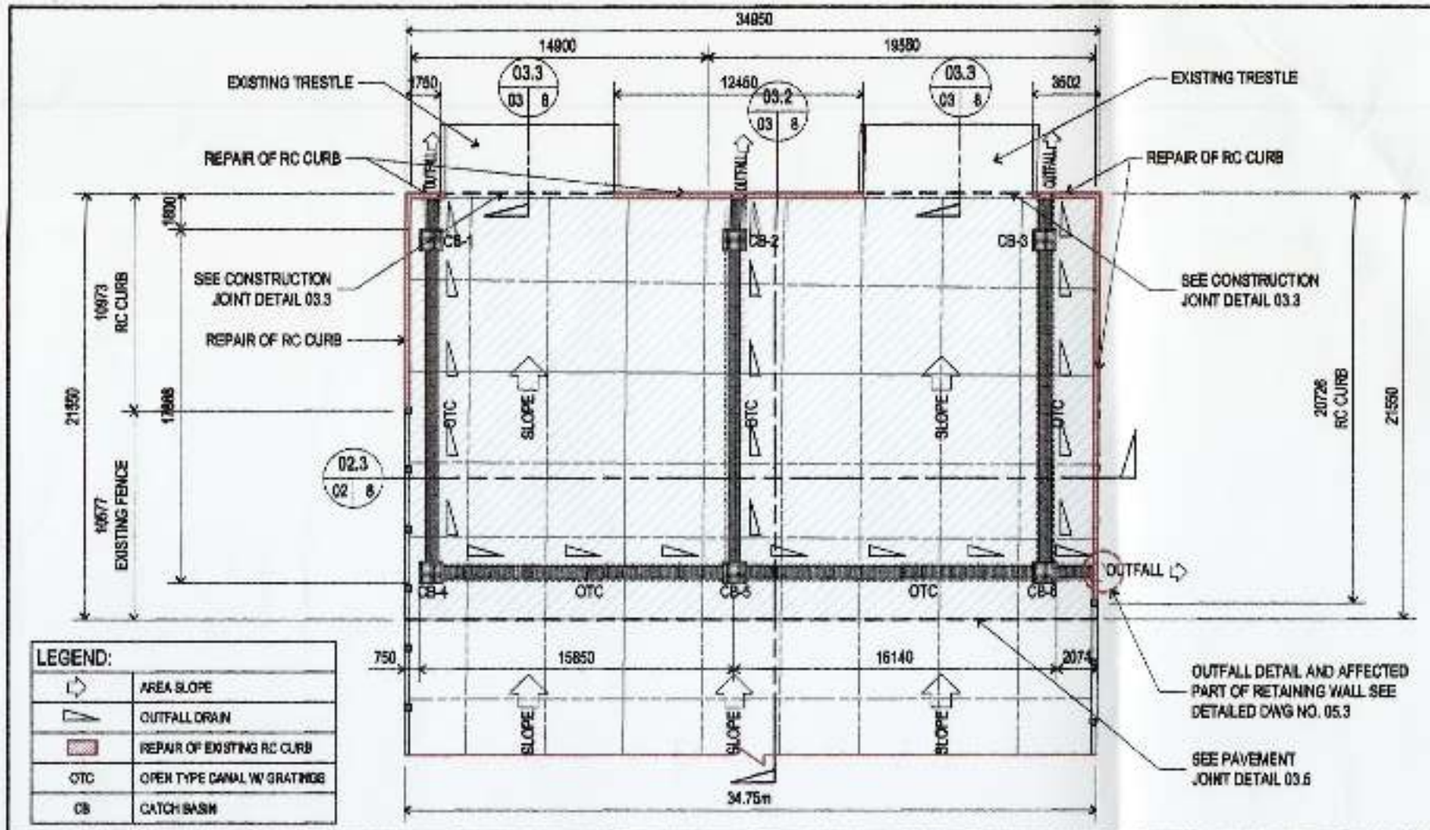
LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR

REVISIONS		
NO.	DATE	REMARKS
ADDENDUM		
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DRAWN BY	-	
DATE	-	
CHECKED	-	

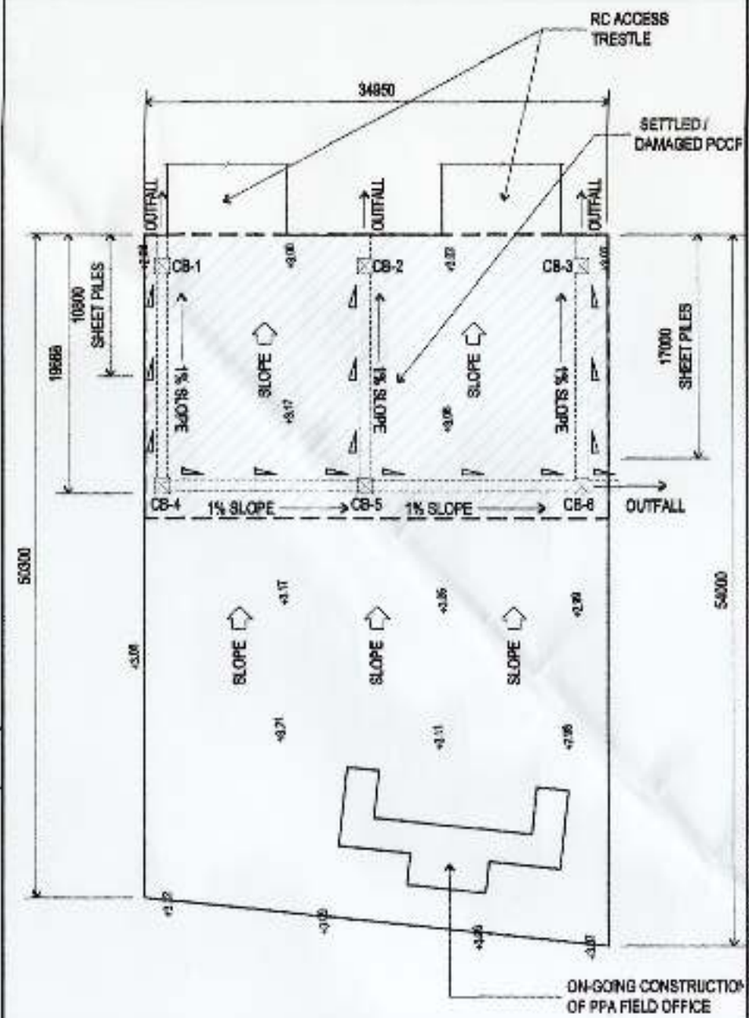
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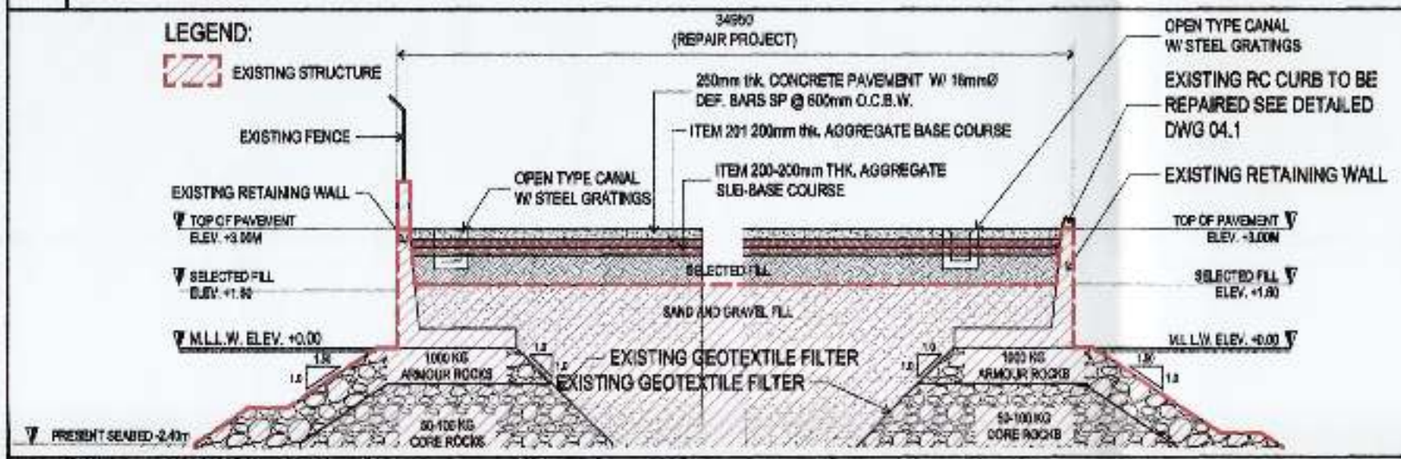
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02.1 PROPOSED REPAIR PROJECT PLAN
SCALE 1: 200 METERS



02.2 DRAINAGE PLAN
SCALE 1: 500 METERS



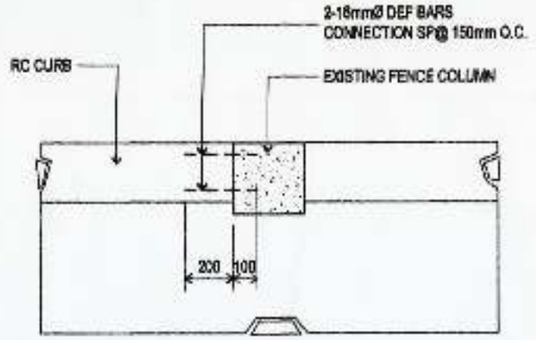
02.3 SHORT SECTION ELEVATION
SCALE 1: 150 METERS

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE, ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA, PRINCIPAL ENGINEER A	ASTERIO GALLARDO, JR., ESO MANAGER	ANALEE G. AGUILA, PORT MANAGER

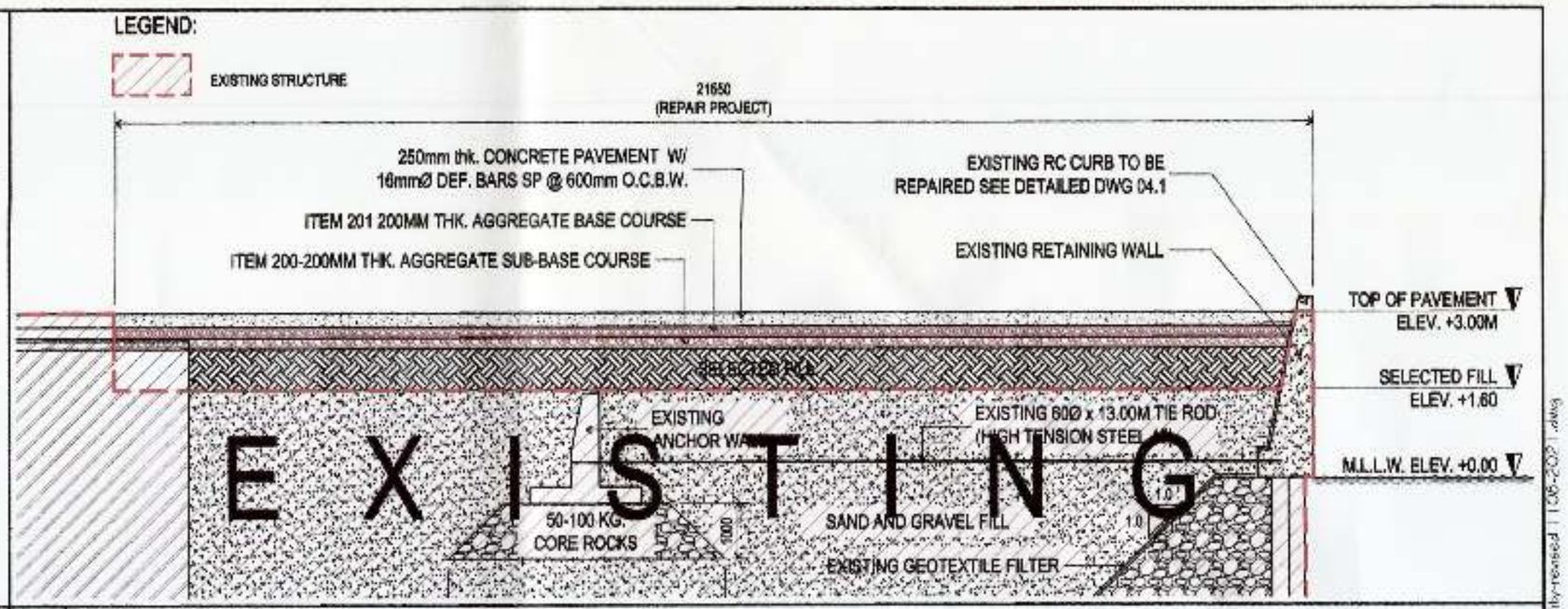
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ANALEE G. AGUILA, PORT MANAGER	REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT	DATE / REMARKS: ADDENDUM	02	8
SHEET CONTENTS: PROPOSED REPAIR PROJECT PLAN / DRAINAGE PLAN / SHORT SECTION ELEVATION	LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR			

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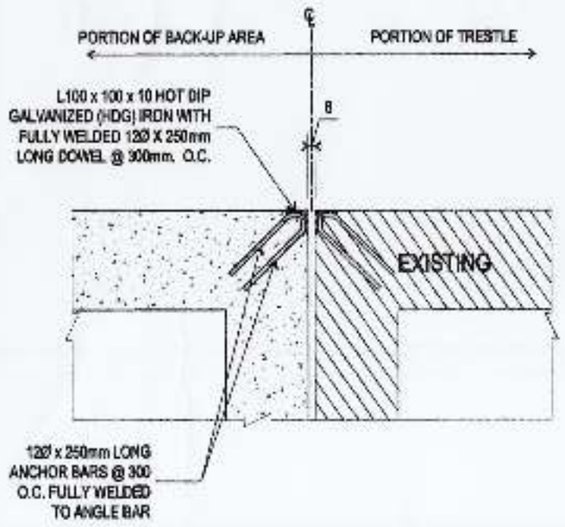
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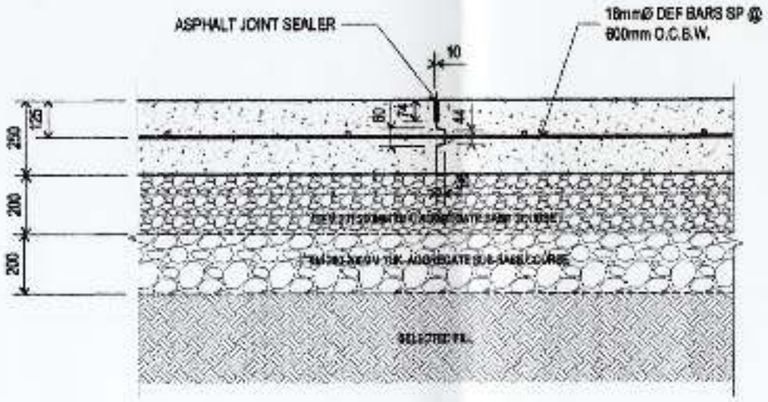
03.1 CONNECTION DETAIL PLAN BETWEEN RC CURB AND EXISTING FENCE COLUMN
SCALE 1:25 METERS



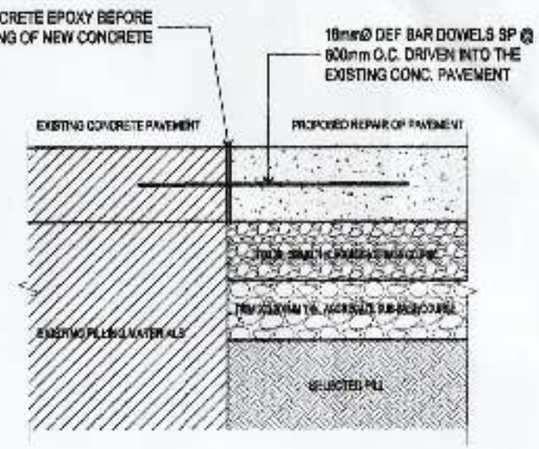
03.2 LONG SECTION ELEVATION
SCALE 1:100 METERS



03.3 CONSTRUCTION JOINT DETAIL
SCALE 1:12.5 METERS



03.4 TYPICAL PAVEMENT REBARS
SCALE 1:20 METERS



03.5 PAVEMENT JOINT DETAIL
SCALE 1:20 METERS

PHILIPPINE PORTS AUTHORITY

PREPARED BY:
VICTOR A. JASPE
ENGINEERING ASSISTANT-A

CHECKED AND REVIEWED BY:
LARA SIMONE L. ABA
PRINCIPAL ENGINEER A

RECOMMENDING APPROVAL BY:
ASTERIO GALLARDO, JR.
ESD MANAGER

APPROVED BY:
ANALEE G. AGUILA
PORT MANAGER

OWNER:
ANALEE G. AGUILA
PORT MANAGER

SHEET CONTENTS:
CONSTRUCTION DETAIL PLAN BETWEEN RC CURB AND EXISTING FENCE COLUMN / LONG SECTION ELEVATION / CONSTRUCTION JOINT DETAIL / TYPICAL PAVEMENT REBARS

PROJECT TITLE:
REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

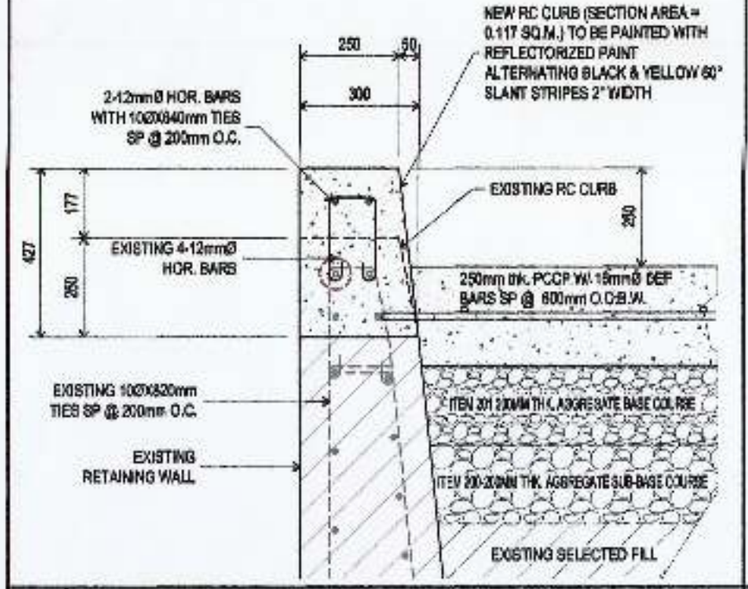
LOCATION:
MALALAG PORT, MALALAG, DAVAO DEL SUR

REVISIONS
DATE | REMARKS
ADDENDUM

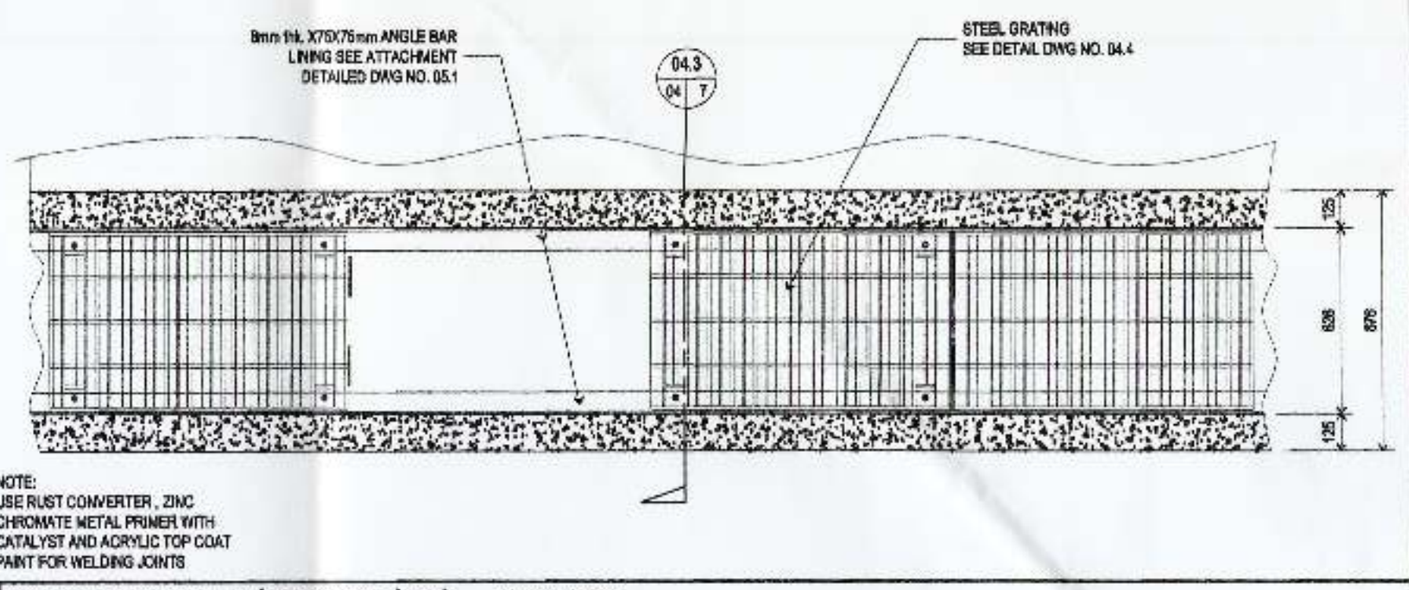
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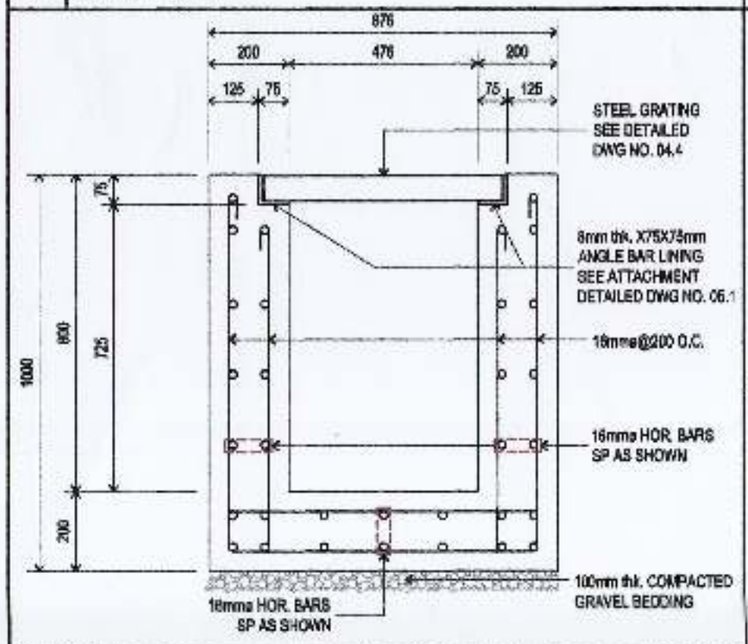
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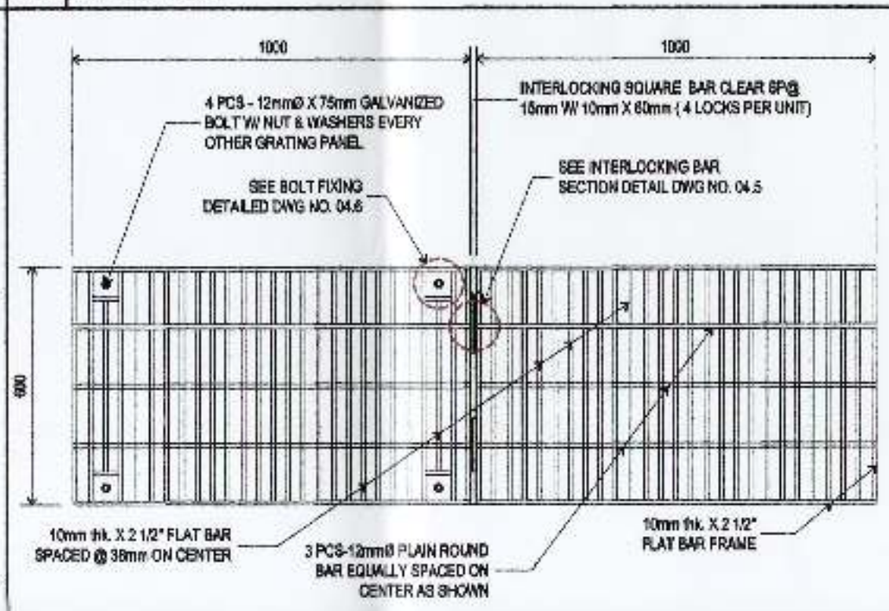
04.1 SECTION VIEW FOR THE REPAIR OF SETTLED RC CURB DETAIL
SCALE 1:10 METERS



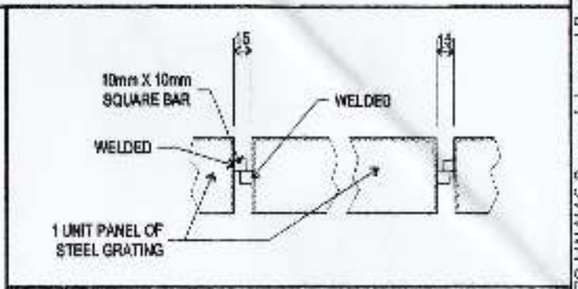
04.2 OPEN TYPE CANAL W/ GRATINGS (OTC) – PLAN VIEW
SCALE 1:20 METERS



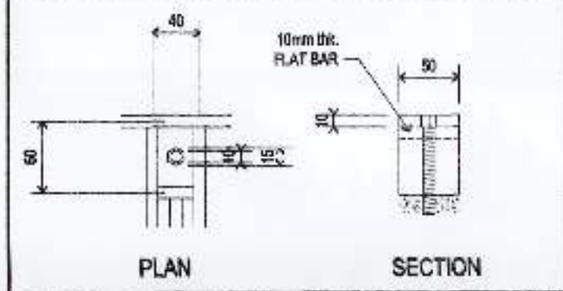
04.3 SECTION VIEW OF OPEN TYPE CANAL W/ GRATINGS (OTC)
SCALE 1:10 METERS



04.4 600X1000 MM DRAINAGE STEEL GRATING PLAN VIEW DETAIL
SCALE 1:10 METERS



04.5 INTERLOCKING SQUARE BAR SECTION
SCALE 1:5 METERS



04.6 BOLT FIXING
SCALE 1:5 METERS

PHILIPPINE PORTS AUTHORITY

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE, ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA, PRINCIPAL ENGINEER A	ASTERIO S. GALLARDO, JR., ESD MANAGER	ANALEE G. AGUILA, PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

SHEET CONTENTS:

PROJECT TITLE: REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

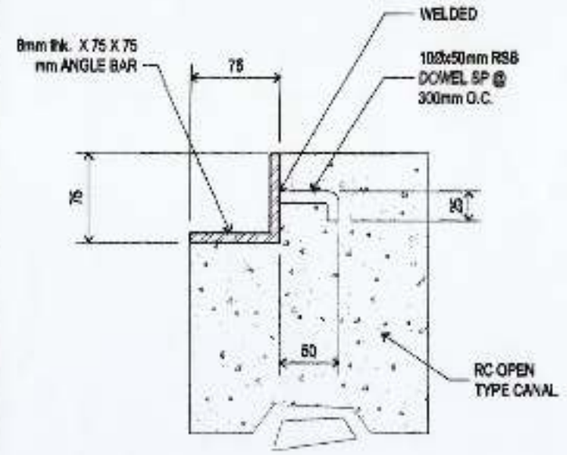
LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR

REVISIONS: DATE | REMARKS — ADDENDUM

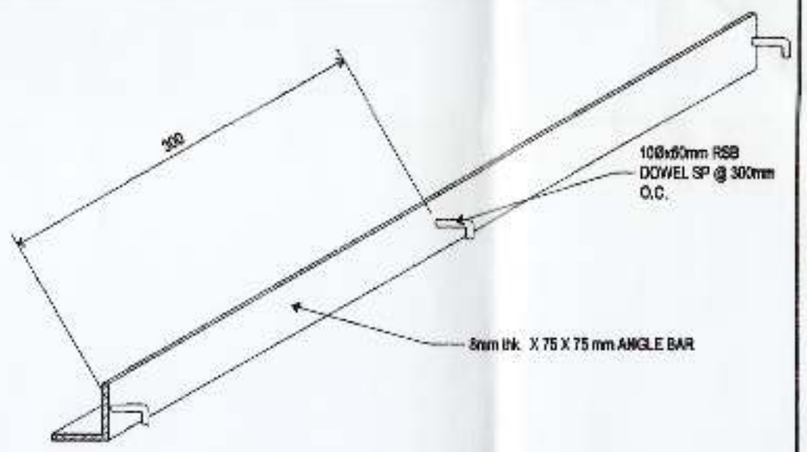
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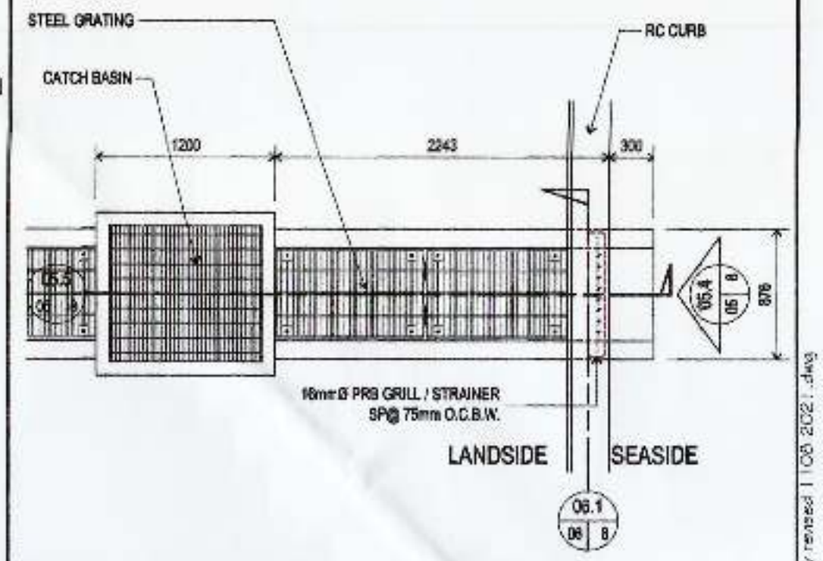
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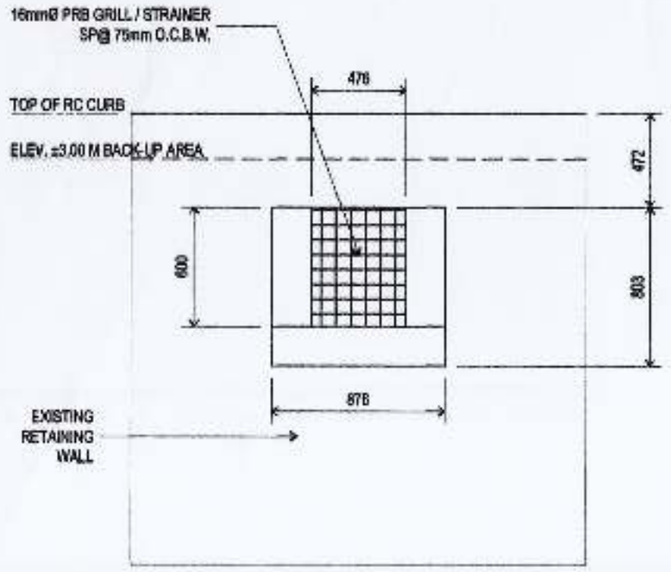
05.1 ANGLE BAR LINING SECTION DETAIL
SCALE 1:5 METERS



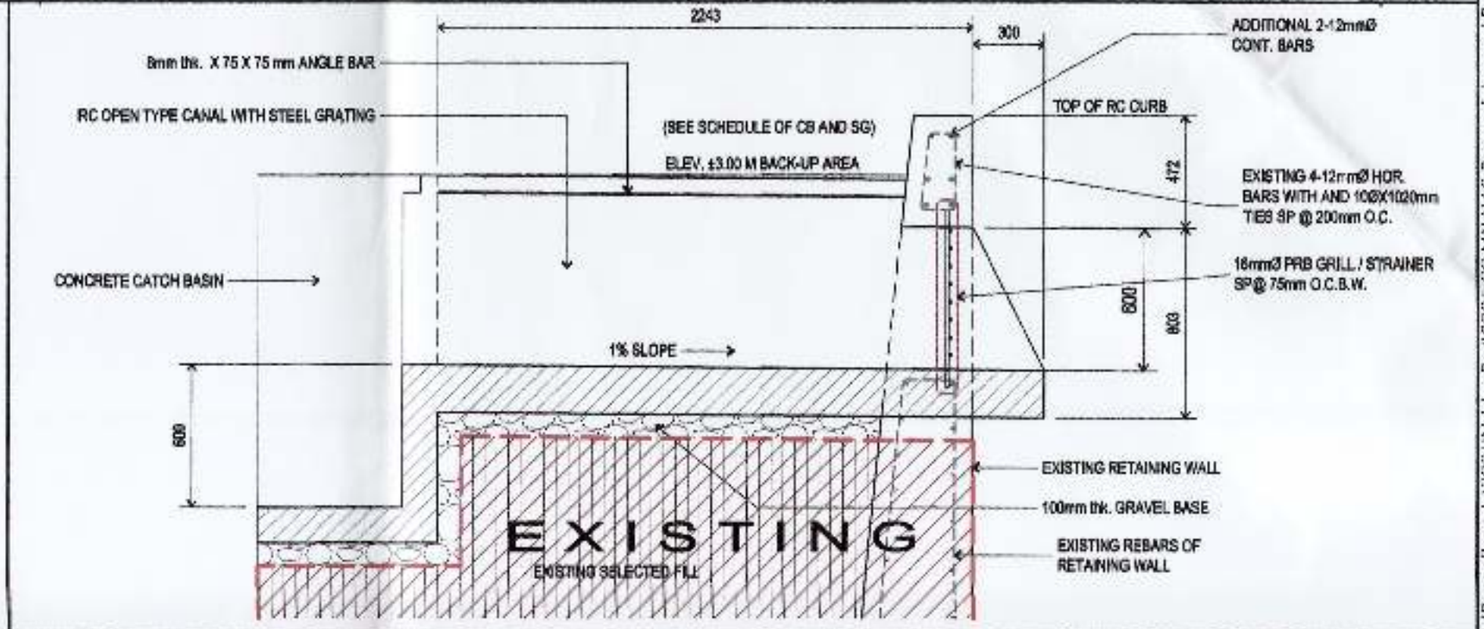
05.2 ANGLE BAR LINING SECTION ISOMETRIC VIEW
SCALE 1:5 METERS



05.3 PLAN VIEW OF OUTFALL
SCALE 1:40 METERS



05.4 OFFSHORE VIEW OF OUTFALL
SCALE 1:30 METERS



05.5 SECTION VIEW OF OUTFALL
SCALE 1:25 METERS

PHILIPPINE PORTS AUTHORITY PRO OMNES

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR K. JASPE, ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA, PRINCIPAL ENGINEER A	ASTERIO GALLARDO, JR., ESD MANAGER	ANALEE G. AGUILA, PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

PROJECT TITLE: REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

SHEET CONTENTS: ANGLE BAR LINING SECTION DETAIL, ANGLE BAR LINING SECTION ISOMETRIC VIEW, PLAN VIEW OF OUTFALL, OFFSHORE VIEW OF OUTFALL, SECTION VIEW OF OUTFALL

LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR

REVISIONS

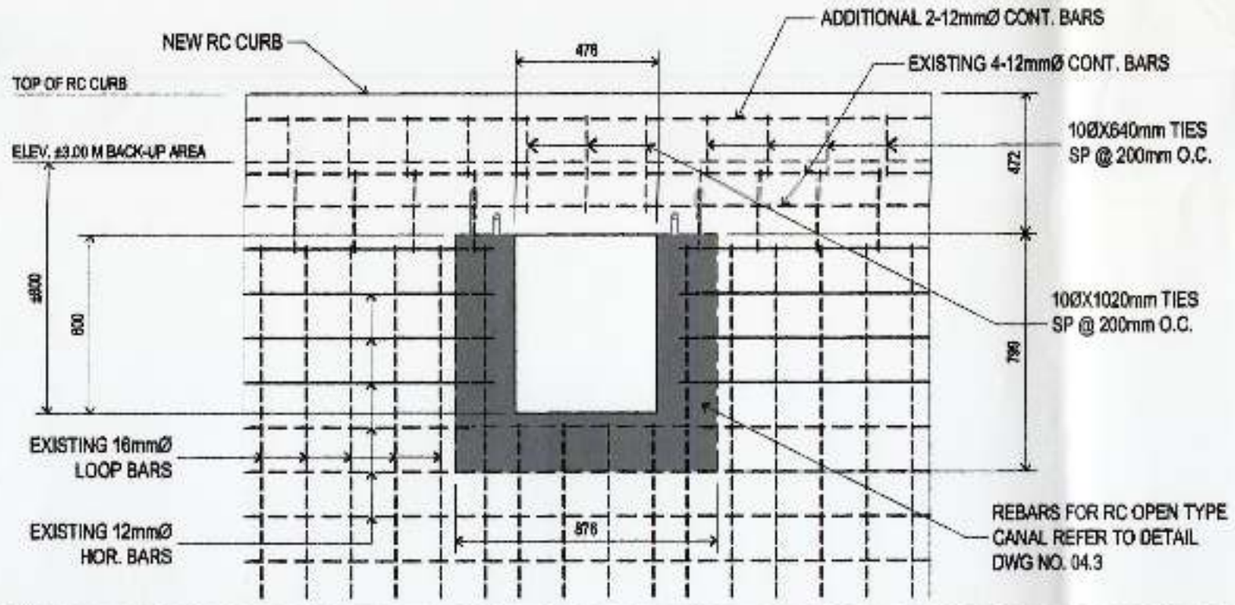
NO.	DATE	REMARKS
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ADDENDUM 2		
ADDENDUM 3		

SHEET NO. 05 OF 8

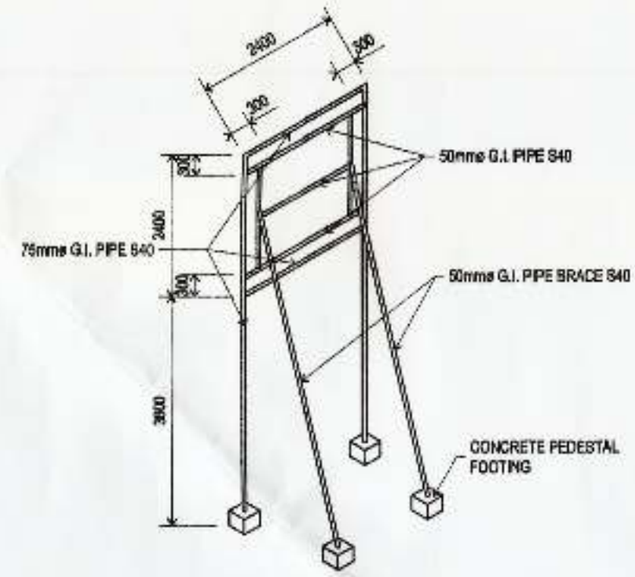
GRID BY: NAT
APP. DATE: 08/23/2021
SET UP BY: NAT
PLOTTED DATE: 12/20/2021

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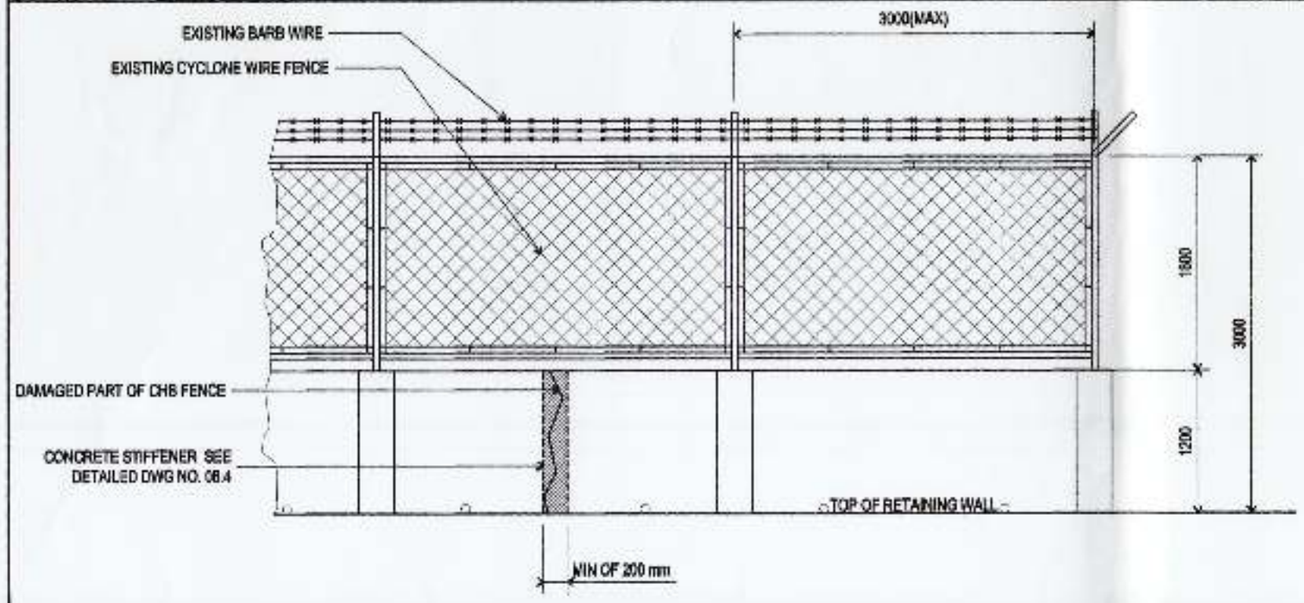
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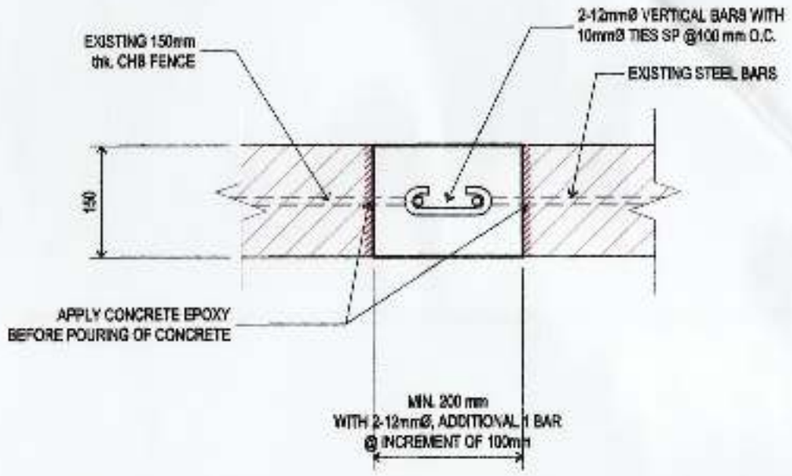
06.1 CROSS SECTION OF OUTFALL
SCALE 1:25 METERS



06.2 COA BILLBOARD STEEL FRAME
SCALE 1:100 METERS



06.3 PERIMTER FENCE ELEVATION SHOWING THE DAMAGED PART
SCALE 1:50 METERS



06.4 CONCRETE STIFFENER DETAIL
SCALE 1:8 METERS

PHILIPPINE PORTS AUTHORITY

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA PRINCIPAL ENGINEER A	ASTERIO S. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

PROJECT TITLE: REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

SHEET CONTENTS: CROSS SECTION OF OUTFALL, COA BILLBOARD STEEL FRAME, PERIMTER FENCE ELEVATION SHOWING THE DAMAGED PART, CONCRETE STIFFENER DETAIL

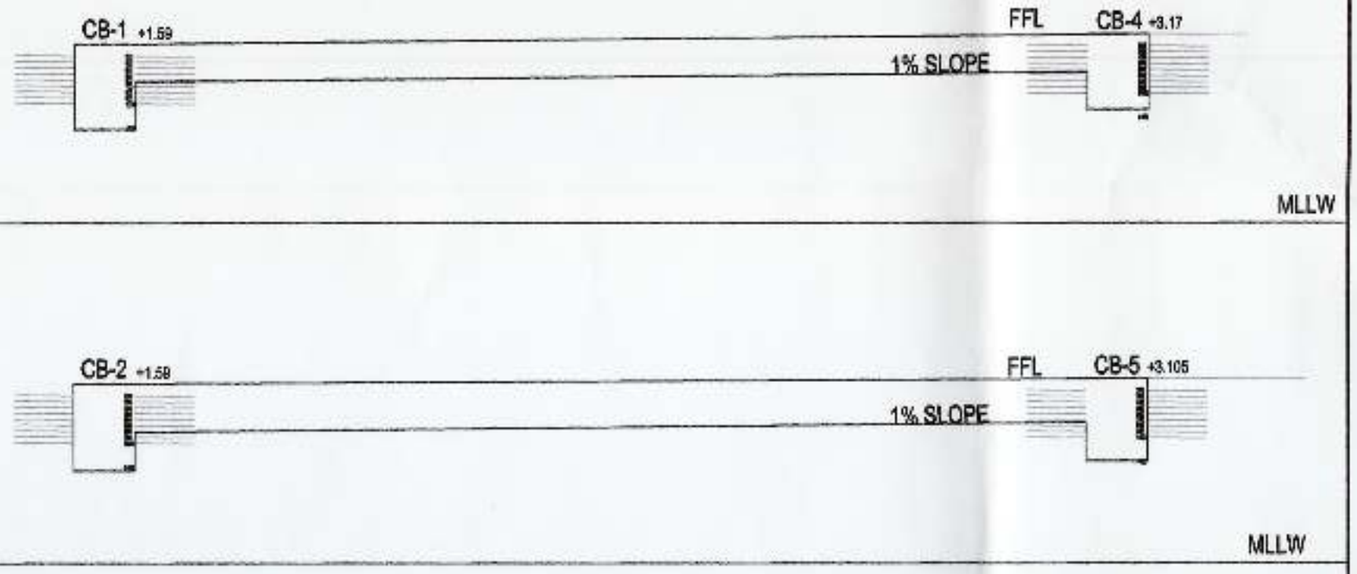
LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR

REVISIONS		
DATE	REMARKS	
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PROJECT	-	
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DRAWING	-	

SHEET NO.: 06 OF 8

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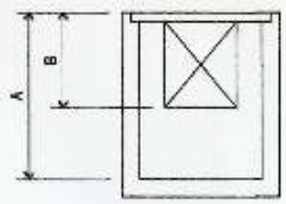
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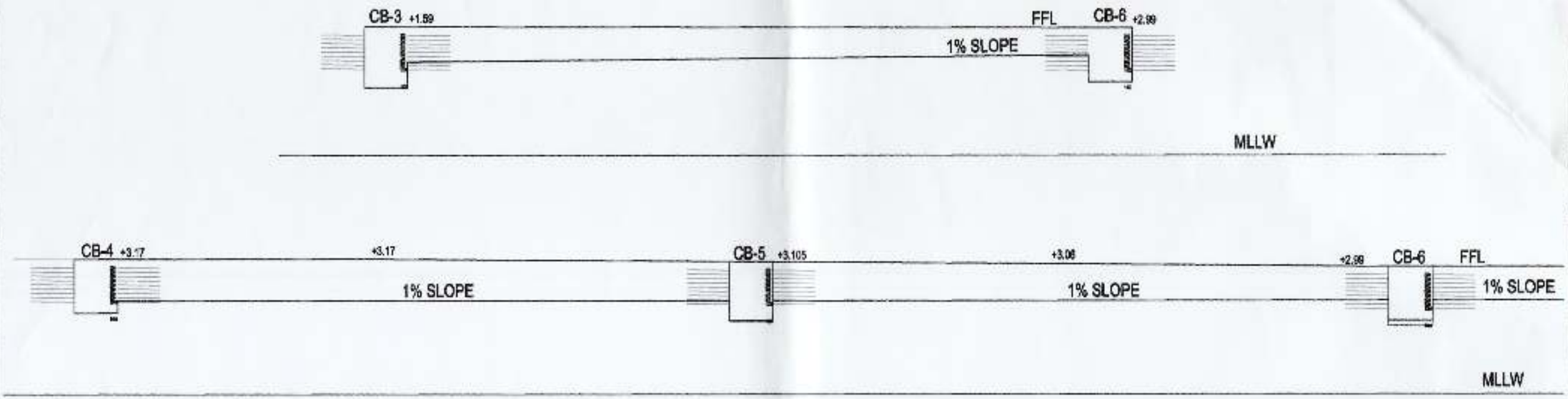
07.1 CATCH BASIN (CB–1 & CB–2) AND OPEN TYPE CANAL (OTC) SLOPE SECTION DIAGRAM
SCALE 1:100 METERS

SCHEDULE OF CATCH BASIN AND OPEN TYPE CANAL

CATCH BASIN	A (mm)	B (mm)
1	1430	630
2	1465	815
3	1430	830
4	1270	630
5	1385	735
6	1273	640



07.3 SCHEDULE OF CATCH BASIN (CB) AND OPEN TYPE CANAL (OTC) DEPTH DIMENSION
SCALE 1:NTS METERS



07.2 CATCH BASIN (CB–3 TO CB–6) AND OPEN TYPE CANAL (OTC) SLOPE SECTION DIAGRAM
SCALE 1:100 METERS

PHILIPPINE PORTS AUTHORITY PROVINCE

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR R. JASPE ENGINEERING ASSISTANT–A	LARA SIMONE L. ABA PRINCIPAL ENGINEER A	ASTERIO GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

SHEET CONTENTS: CATCH BASIN (CB–1 & CB–2) AND OPEN TYPE CANAL (OTC) SLOPE SECTION DIAGRAM; SCHEDULE OF CATCH BASIN (CB) AND OPEN TYPE CANAL (OTC) DEPTH DIMENSION; CATCH BASIN (CB–3 TO CB–6) AND OPEN TYPE CANAL (OTC) SLOPE SECTION DIAGRAM

PROJECT TITLE: REPAIR OF DAMAGED BACK–UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR

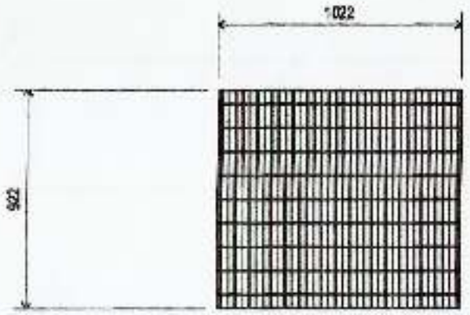
REVISIONS		
NO.	DATE	REMARKS
		ADDENDUM

PROJECT	
DATE	
DRAWN	

SHEET NO. 07 OF 8

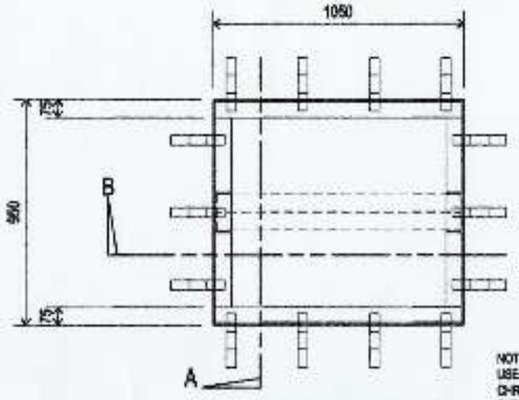
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PLOTTED DATE : Dec 23, 2021 - 4:44pm



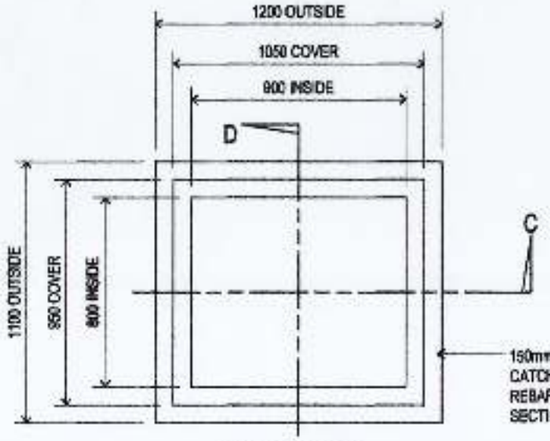
FLAT BARS WELDED TO TWIST RODS BY FORGE WELDING TECHNOLOGY (PROCESS OF WELDING BY FUSION). MATERIALS CONFORMED WITH AS387 GRADE 250, BS4360, GRADE 43A STANDARDS. HOT DIP GALVANIZED IN ACCORDANCE WITH STANDARDS BS EN ISO 1461 LOAD CAPACITY: 5 TONS

PANEL DETAIL

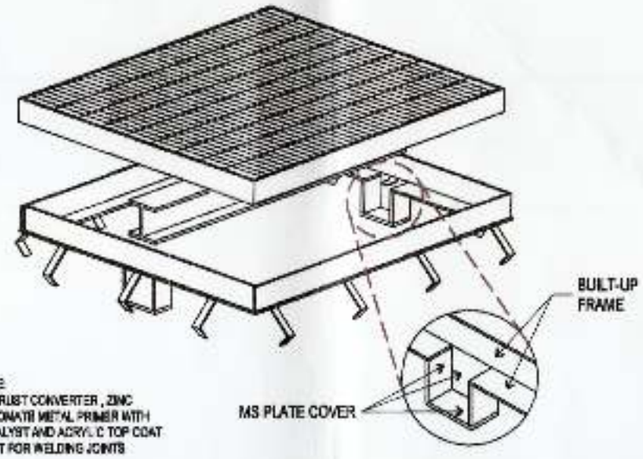


FRAME DETAIL

NOTE:
USE RUST CONVERTER , ZINC CHROMATE METAL PRIMER WITH CATALYST AND ACRYLIC TOP COAT PAINT FOR WELDING JOINTS



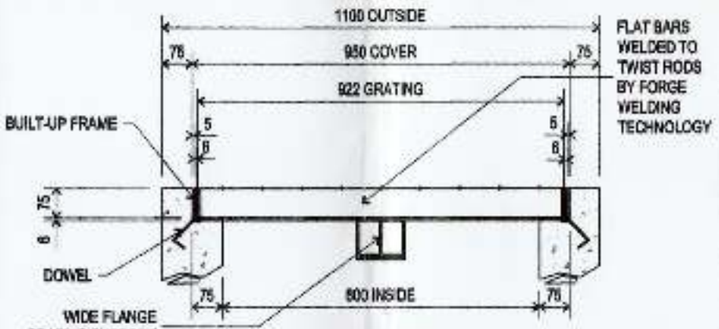
PLAN VIEW



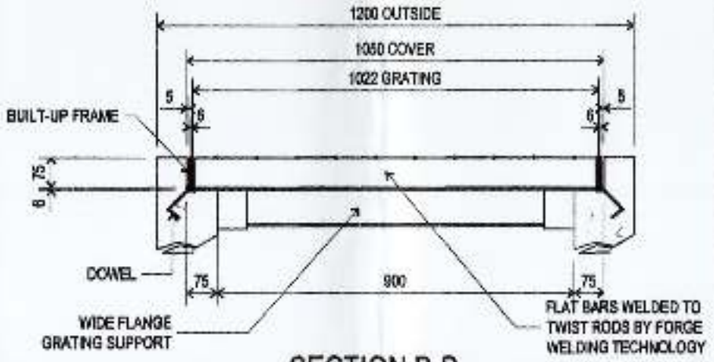
NOTE
USE RUST CONVERTER , ZINC CHROMATE METAL PRIMER WITH CATALYST AND ACRYLIC TOP COAT PAINT FOR WELDING JOINTS

08.2 ISOMETRIC VIEW OF CATCH BASIN (CB) COVER

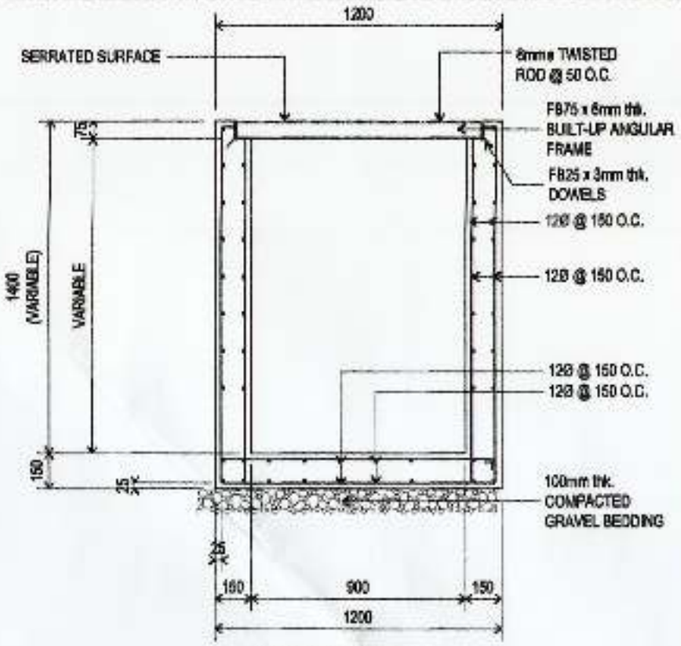
SCALE 1: NTS METERS



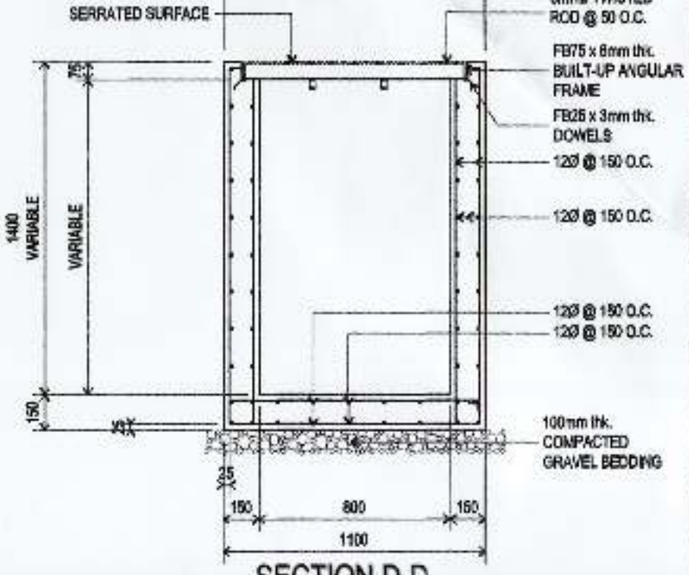
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

08.1 CATCH BASI PLAN VIEW (CB)

SCALE 1: 20 METERS

08.3 CATCH BASIN (CB) COVER SECTION

SCALE 1: 10 METERS

08.4 CATCH BASIN (CB) SECTION DETAILS

SCALE 1: 20 METERS

PHILIPPINE PORTS AUTHORITY

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMEND APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE, ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA, PRINCIPAL ENGINEER A	ASTERIO S. GALLARDO, JR., ESD MANAGER	ANALEE G. AGUILA, PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

PROJECT TITLE: REPAIR OF DAMAGED BACK-UP AREA AND PROVISION OF DRAINAGE SYSTEM, MALALAG PORT

SHEET CONTENTS: CATCH BASI PLAN VIEW (CB), ISOMETRIC VIEW OF CATCH BASIN (CB) COVER, CATCH BASIN (CB) COVER SECTION, CATCH BASIN (CB) SECTION DETAILS

LOCATION: MALALAG PORT, MALALAG, DAVAO DEL SUR

REVISIONS: NO. / DATE / REMARKS / ADDENDUM

SHEET NO. 08 OF 8

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